

UNITED STATES SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

FORM 10-Q

(Mark One)

QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the quarterly period ended January 23, 2021

or

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from to

Commission file number 001-39940



CISCO SYSTEMS, INC.

(Exact name of registrant as specified in its charter)

Delaware
(State or other jurisdiction of
incorporation or organization)

77-0059951
(I.R.S. Employer
Identification Number)

170 West Tasman Drive
San Jose, California 95134
(Address of principal executive office and zip code)

(408) 526-4000
(Registrant's telephone number, including area code)

Not Applicable
(Former name, former address and formal fiscal year, if changed since last report.)

Securities registered pursuant to Section 12(b) of the Act:

<u>Title of each class</u>	<u>Trading Symbol(s)</u>	<u>Name of each exchange on which registered</u>
Common Stock, par value \$0.001 per share	CSCO	The Nasdaq Stock Market LLC

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer	<input checked="" type="checkbox"/>	Accelerated filer	<input type="checkbox"/>
Non-accelerated filer	<input type="checkbox"/>	Smaller reporting company	<input type="checkbox"/>
		Emerging growth company	<input type="checkbox"/>

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes No

Number of shares of the registrant's common stock outstanding as of February 11, 2021: 4,221,785,547

Cisco Systems, Inc.
Form 10-Q for the Quarter Ended January 23, 2021

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PART I. FINANCIAL INFORMATION

Item 1. Financial Statements (Unaudited)

CISCO SYSTEMS, INC.
CONSOLIDATED BALANCE SHEETS
(in millions, except par value)
(Unaudited)

	January 23, 2021	July 25, 2020
ASSETS		
Current assets:		
Cash and cash equivalents	\$ 11,793	\$ 11,809
Investments	18,795	17,610
Accounts receivable, net of allowance for doubtful accounts of \$102 at January 23, 2021 and \$143 at July 25, 2020	4,307	5,472
Inventories	1,436	1,282
Financing receivables, net	5,027	5,051
Other current assets	2,553	2,349
Total current assets	43,911	43,573
Property and equipment, net	2,386	2,453
Financing receivables, net	5,100	5,714
Goodwill	34,733	33,806
Purchased intangible assets, net	1,462	1,576
Deferred tax assets	4,109	3,990
Other assets	3,900	3,741
TOTAL ASSETS	\$ 95,601	\$ 94,853
LIABILITIES AND EQUITY		
Current liabilities:		
Short-term debt	\$ 5,000	\$ 3,005
Accounts payable	1,867	2,218
Income taxes payable	763	839
Accrued compensation	3,295	3,122
Deferred revenue	11,552	11,406
Other current liabilities	4,791	4,741
Total current liabilities	27,268	25,331
Long-term debt	9,554	11,578
Income taxes payable	8,084	8,837
Deferred revenue	9,294	9,040
Other long-term liabilities	2,280	2,147
Total liabilities	56,480	56,933
Commitments and contingencies (Note 14)		
Equity:		
Cisco shareholders' equity:		
Preferred stock, no par value: 5 shares authorized; none issued and outstanding	-	-
Common stock and additional paid-in capital, \$0.001 par value: 20,000 shares authorized; 4,221 and 4,237 shares issued and outstanding at January 23, 2021 and July 25, 2020, respectively	41,690	41,202
Accumulated deficit	(2,351)	(2,763)
Accumulated other comprehensive loss	(218)	(519)
Total equity	39,121	37,920
TOTAL LIABILITIES AND EQUITY	\$ 95,601	\$ 94,853

See Notes to Consolidated Financial Statements.

CISCO SYSTEMS, INC.
CONSOLIDATED STATEMENTS OF OPERATIONS
(in millions, except per-share amounts)
(Unaudited)

	Three Months Ended		Six Months Ended	
	January 23, 2021	January 25, 2020	January 23, 2021	January 25, 2020
REVENUE:				
Product	\$ 8,572	\$ 8,671	\$ 17,159	\$ 18,549
Service	3,388	3,334	6,730	6,615
Total revenue	<u>11,960</u>	<u>12,005</u>	<u>23,889</u>	<u>25,164</u>
COST OF SALES:				
Product	3,044	3,126	6,250	6,650
Service	1,132	1,115	2,274	2,286
Total cost of sales	<u>4,176</u>	<u>4,241</u>	<u>8,524</u>	<u>8,936</u>
GROSS MARGIN	<u>7,784</u>	<u>7,764</u>	<u>15,365</u>	<u>16,228</u>
OPERATING EXPENSES:				
Research and development	1,527	1,570	3,139	3,236
Sales and marketing	2,277	2,279	4,494	4,759
General and administrative	484	455	1,028	974
Amortization of purchased intangible assets	39	38	75	74
Restructuring and other charges	234	42	836	226
Total operating expenses	<u>4,561</u>	<u>4,384</u>	<u>9,572</u>	<u>9,269</u>
OPERATING INCOME	<u>3,223</u>	<u>3,380</u>	<u>5,793</u>	<u>6,959</u>
Interest income	161	242	335	515
Interest expense	(113)	(158)	(225)	(336)
Other income (loss), net	(16)	70	33	82
Interest and other income (loss), net	<u>32</u>	<u>154</u>	<u>143</u>	<u>261</u>
INCOME BEFORE PROVISION FOR INCOME TAXES	<u>3,255</u>	<u>3,534</u>	<u>5,936</u>	<u>7,220</u>
Provision for income taxes	710	656	1,217	1,416
NET INCOME	<u>\$ 2,545</u>	<u>\$ 2,878</u>	<u>\$ 4,719</u>	<u>\$ 5,804</u>
Net income per share:				
Basic	<u>\$ 0.60</u>	<u>\$ 0.68</u>	<u>\$ 1.12</u>	<u>\$ 1.37</u>
Diluted	<u>\$ 0.60</u>	<u>\$ 0.68</u>	<u>\$ 1.11</u>	<u>\$ 1.36</u>
Shares used in per-share calculation:				
Basic	<u>4,223</u>	<u>4,242</u>	<u>4,227</u>	<u>4,244</u>
Diluted	<u>4,234</u>	<u>4,260</u>	<u>4,239</u>	<u>4,265</u>

See Notes to Consolidated Financial Statements.

CISCO SYSTEMS, INC.
CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME
(in millions)
(Unaudited)

	Three Months Ended		Six Months Ended	
	January 23, 2021	January 25, 2020	January 23, 2021	January 25, 2020
Net income	\$ 2,545	\$ 2,878	\$ 4,719	\$ 5,804
Available-for-sale investments:				
Change in net unrealized gains and losses, net of tax benefit (expense) of \$0 and \$17 for the second quarter and first six months of fiscal 2021, respectively, and \$(15) and \$(29) for the corresponding periods of fiscal 2020, respectively	6	66	(18)	139
Net (gains) losses reclassified into earnings, net of tax (benefit) expense of \$2 and \$7 for the second quarter and first six months of fiscal 2021, respectively and \$7 and \$12 for the corresponding periods of fiscal 2020, respectively	(7)	(4)	(17)	(9)
	(1)	62	(35)	130
Cash flow hedging instruments:				
Change in unrealized gains and losses, net of tax benefit (expense) of \$1 for each of the second quarter and first six months of fiscal 2021, and \$0 and \$1 for the corresponding periods of fiscal 2020, respectively	(2)	1	(4)	1
Net (gains) losses reclassified into earnings, net of tax (benefit) expense of \$0 and \$1 for the second quarter and first six months of fiscal 2021, respectively, and \$0 for each of the corresponding periods of fiscal 2020	(3)	2	(4)	2
	(5)	3	(8)	3
Net change in cumulative translation adjustment and actuarial gains and losses net of tax benefit (expense) of \$(2) and \$(3) for the second quarter and first six months of fiscal 2021, respectively, and \$(1) for each of the corresponding periods of fiscal 2020	235	50	344	(41)
Other comprehensive income	229	115	301	92
Comprehensive income	\$ 2,774	\$ 2,993	\$ 5,020	\$ 5,896

See Notes to Consolidated Financial Statements.

CISCO SYSTEMS, INC.
CONSOLIDATED STATEMENTS OF CASH FLOWS
(in millions)
(Unaudited)

	Six Months Ended	
	January 23, 2021	January 25, 2020
Cash flows from operating activities:		
Net income	\$ 4,719	\$ 5,804
Adjustments to reconcile net income to net cash provided by operating activities:		
Depreciation, amortization, and other	887	918
Share-based compensation expense	874	779
Provision (benefit) for receivables	(10)	46
Deferred income taxes	(91)	128
(Gains) losses on divestitures, investments and other, net	(86)	(162)
Change in operating assets and liabilities, net of effects of acquisitions and divestitures:		
Accounts receivable	1,245	1,084
Inventories	(145)	25
Financing receivables	748	408
Other assets	(212)	130
Accounts payable	(358)	(126)
Income taxes, net	(836)	(1,007)
Accrued compensation	125	(521)
Deferred revenue	226	236
Other liabilities	(16)	(355)
Net cash provided by operating activities	7,070	7,387
Cash flows from investing activities:		
Purchases of investments	(6,025)	(4,250)
Proceeds from sales of investments	1,374	3,410
Proceeds from maturities of investments	3,373	4,044
Acquisitions and divestitures	(860)	(163)
Purchases of investments in privately held companies	(95)	(97)
Return of investments in privately held companies	58	91
Acquisition of property and equipment	(358)	(391)
Proceeds from sales of property and equipment	9	131
Other	(4)	(10)
Net cash (used in) provided by investing activities	(2,528)	2,765
Cash flows from financing activities:		
Issuances of common stock	306	334
Repurchases of common stock-repurchase program	(1,569)	(1,648)
Shares repurchased for tax withholdings on vesting of restricted stock units	(317)	(437)
Short-term borrowings, original maturities of 90 days or less, net	-	(3,470)
Repayments of debt	-	(5,220)
Dividends paid	(3,041)	(2,972)
Other	70	(12)
Net cash used in financing activities	(4,551)	(13,425)
Net decrease in cash, cash equivalents, and restricted cash	(9)	(3,273)
Cash, cash equivalents, and restricted cash, beginning of period	11,812	11,772
Cash, cash equivalents, and restricted cash, end of period	<u>\$ 11,803</u>	<u>\$ 8,499</u>
Supplemental cash flow information:		
Cash paid for interest	\$ 220	\$ 349
Cash paid for income taxes, net	\$ 2,142	\$ 2,295

See Notes to Consolidated Financial Statements.

CISCO SYSTEMS, INC.
CONSOLIDATED STATEMENTS OF EQUITY
(in millions, except per-share amounts)
(Unaudited)

<u>Three Months Ended January 23, 2021</u>	Shares of Common Stock	Common Stock and Additional Paid-In Capital	Accumulated Deficit	Accumulated Other Comprehensive Loss	Total Equity
Balance at October 24, 2020	4,222	\$ 41,360	\$ (2,756)	(447)	\$ 38,157
Net income			2,545		2,545
Other comprehensive income				229	229
Issuance of common stock	24	305			305
Repurchase of common stock	(19)	(183)	(618)		(801)
Shares repurchased for tax withholdings on vesting of restricted stock units	(6)	(228)			(228)
Cash dividends declared (\$0.36 per common share)			(1,522)		(1,522)
Share-based compensation		436			436
Balance at January 23, 2021	4,221	\$ 41,690	\$ (2,351)	\$ (218)	\$ 39,121

<u>Six Months Ended January 23, 2021</u>	Shares of Common Stock	Common Stock and Additional Paid-In Capital	Accumulated Deficit	Accumulated Other Comprehensive Loss	Total Equity
Balance at July 25, 2020	4,237	\$ 41,202	\$ (2,763)	\$ (519)	\$ 37,920
Net income			\$ 4,719		4,719
Other comprehensive income				301	301
Issuance of common stock	31	306			306
Repurchase of common stock	(39)	(375)	(1,226)		(1,601)
Shares repurchased for tax withholdings on vesting of restricted stock units	(8)	(317)			(317)
Cash dividends declared (\$0.72 per common share)			(3,043)		(3,043)
Effect of adoption of accounting standard			(38)		(38)
Share-based compensation		874			874
Balance at January 23, 2021	4,221	\$ 41,690	\$ (2,351)	\$ (218)	\$ 39,121

CISCO SYSTEMS, INC.
CONSOLIDATED STATEMENTS OF EQUITY
(in millions, except per-share amounts)
(Unaudited)

<u>Three Months Ended January 25, 2020</u>	Shares of Common Stock	Common Stock and Additional Paid-In Capital	Accumulated Deficit	Accumulated Other Comprehensive Loss	Total Equity
Balance at October 26, 2019	4,241	\$ 40,321	\$ (5,083)	\$ (815)	\$ 34,423
Net income			2,878		2,878
Other comprehensive income				115	115
Issuance of common stock	23	332			332
Repurchase of common stock	(18)	(177)	(693)		(870)
Shares repurchased for tax withholdings on vesting of restricted stock units	(5)	(243)			(243)
Cash dividends declared (\$0.35 per common share)			(1,486)		(1,486)
Share-based compensation		384			384
Balance at January 25, 2020	4,241	\$ 40,617	\$ (4,384)	\$ (700)	\$ 35,533

<u>Six Months Ended January 25, 2020</u>	Shares of Common Stock	Common Stock and Additional Paid-In Capital	Accumulated Deficit	Accumulated Other Comprehensive Loss	Total Equity
Balance at July 27, 2019	4,250	\$ 40,266	\$ (5,903)	\$ (792)	\$ 33,571
Net income			5,804		5,804
Other comprehensive income				92	92
Issuance of common stock	34	334			334
Repurchase of common stock	(34)	(325)	(1,313)		(1,638)
Shares repurchased for tax withholdings on vesting of restricted stock units	(9)	(437)			(437)
Cash dividends declared (\$0.70 per common share)			(2,972)		(2,972)
Share-based compensation		779			779
Balance at January 25, 2020	4,241	\$ 40,617	\$ (4,384)	\$ (700)	\$ 35,533

See Notes to Consolidated Financial Statements.

CISCO SYSTEMS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
(Unaudited)

1.
Organization and Basis of Presentation

The fiscal year for Cisco Systems, Inc. (the “Company,” “Cisco,” “we,” “us,” or “our”) is the 52 or 53 weeks ending on the last Saturday in July. Fiscal 2021 is a 53-week fiscal year and fiscal 2020 was a 52-week fiscal year. The Consolidated Financial Statements include our accounts and those of our subsidiaries. All intercompany accounts and transactions have been eliminated. We conduct business globally and are primarily managed on a geographic basis in the following three geographic segments: the Americas; Europe, Middle East, and Africa (EMEA); and Asia Pacific, Japan, and China (APJC).

At our annual meeting of shareholders held on December 10, 2020, shareholders voted to approve changing the state of incorporation from California to Delaware. The reincorporation became effective January 25, 2021.

We have prepared the accompanying financial data as of January 23, 2021 and for the second quarter and first six months of fiscal 2021 and 2020, without audit, pursuant to the rules and regulations of the U.S. Securities and Exchange Commission (“SEC”). Certain information and footnote disclosures normally included in financial statements prepared in accordance with generally accepted accounting principles in the United States (“GAAP”) have been condensed or omitted pursuant to such rules and regulations. The July 25, 2020 Consolidated Balance Sheet was derived from audited financial statements, but does not include all disclosures required by accounting principles generally accepted in the United States. However, we believe that the disclosures are adequate to make the information presented not misleading. These Consolidated Financial Statements should be read in conjunction with the Consolidated Financial Statements and the notes thereto included in our Annual Report on Form 10-K for the fiscal year ended July 25, 2020.

The preparation of financial statements and related disclosures in conformity with GAAP requires us to make judgments, assumptions, and estimates that affect the amounts reported in the Consolidated Financial Statements and accompanying notes. The inputs into certain of our judgments, assumptions, and estimates considered the economic implications of the COVID-19 pandemic on our critical and significant accounting estimates. The actual results that we experience may differ materially from our estimates. As the COVID-19 pandemic continues to develop, many of our estimates could require increased judgment and carry a higher degree of variability and volatility. As events continue to evolve our estimates may change materially in future periods.

In the opinion of management, all normal recurring adjustments necessary to present fairly the consolidated balance sheet as of January 23, 2021, the results of operations, the statements of comprehensive income (loss) and the statements of equity for the second quarter and first six months of fiscal 2021 and 2020, and the statements of cash flows for the first six months of fiscal 2021 and 2020, as applicable, have been made. The results of operations for the second quarter and first six months of fiscal 2021 are not necessarily indicative of the operating results for the full fiscal year or any future periods.

Our consolidated financial statements include our accounts and entities consolidated under the variable interest and voting models. The noncontrolling interests attributed to these investments, if any, are presented as a separate component from our equity in the equity section of the Consolidated Balance Sheets. The share of earnings attributable to the noncontrolling interests are not presented separately in the Consolidated Statements of Operations as these amounts are not material for any of the fiscal periods presented.

Certain reclassifications have been made to the amounts in prior periods in order to conform to the current period’s presentation. We have evaluated subsequent events through the date that the financial statements were issued.

2.
Recent Accounting Pronouncements

(a) New Accounting Updates Recently Adopted

Credit Losses of Financial Instruments In June 2016, the FASB issued an accounting standard update that requires measurement and recognition of expected credit losses for financial assets held based on historical experience, current conditions, and reasonable and supportable forecasts that affect the collectibility of the reported amount. We adopted this standard at the beginning of our first quarter of fiscal 2021, applied it at the beginning of the period of adoption and did not restate prior periods. The standard primarily impacts our financial assets measured at amortized cost and available-for-sale debt securities. The standard did not have a material impact on our consolidated financial statements upon adoption.

CISCO SYSTEMS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)
(Unaudited)

Our significant accounting policies have been updated as a result of adopting this standard are as follows:

Allowance for Accounts Receivable, Contract Assets and Financing Receivables We estimate our allowances for credit losses using relevant available information from internal and external sources, related to past events, current conditions and reasonable and supportable forecasts. Historical credit loss experience provides the basis for the estimation of expected credit losses. When assessing for credit losses, we determine collectibility by pooling our assets with similar characteristics.

The allowances for credit losses are each measured on a collective basis when similar risk characteristics exist. Our internal credit risk ratings are categorized as 1 through 10, with the lowest credit risk rating representing the highest quality. Our assets within each internal credit risk rating share similar risk characteristics and therefore are assessed as one portfolio segment for credit loss. Assets that do not share risk characteristics are evaluated on an individual basis. The allowances for credit losses are each measured by multiplying the exposure probability of default, the probability the asset will default within a given time frame, by the loss given default rate, the percentage of the asset not expected to be collected due to default, based on the pool of assets.

Probability of default rates are published quarterly by third-party credit agencies. Adjustments to our internal credit risk ratings may take into account including, but not limited to, various customer-specific factors, the potential sovereign risk of the geographic locations in which the customer is operating and macroeconomic conditions. These factors are updated regularly or when facts and circumstances indicate that an update is deemed necessary.

Available-for-Sale Debt Investments For our available-for-sale debt securities in an unrealized loss position, we determine whether a credit loss exists. In this assessment, we consider the extent to which the fair value is less than the amortized cost, any changes to the rating of the security by a rating agency, and adverse conditions specifically related to the security, among other factors. If factors indicate a credit loss exists, an allowance for credit loss is recorded to other income (loss), net, limited by the amount that the fair value is less than the amortized cost basis. The amount of fair value change relating to all other factors will be recognized in other comprehensive income (OCI).

3.
Revenue

We enter into contracts with customers that can include various combinations of products and services which are generally distinct and accounted for as separate performance obligations. As a result, our contracts may contain multiple performance obligations. We determine whether arrangements are distinct based on whether the customer can benefit from the product or service on its own or together with other resources that are readily available and whether our commitment to transfer the product or service to the customer is separately identifiable from other obligations in the contract. We classify our hardware, perpetual software licenses, and software-as-a-service (SaaS) as distinct performance obligations. Term software licenses represent multiple obligations, which include software licenses and software maintenance. In transactions where we deliver hardware or software, we are typically the principal and we record revenue and costs of goods sold on a gross basis. We refer to our term software licenses, security software licenses, SaaS, and associated service arrangements as subscription offers.

We recognize revenue upon transfer of control of promised goods or services in a contract with a customer in an amount that reflects the consideration we expect to receive in exchange for those products or services. Transfer of control occurs once the customer has the contractual right to use the product, generally upon shipment or once title and risk of loss has transferred to the customer. Transfer of control can also occur over time for software maintenance and services as the customer receives the benefit over the contract term. Our hardware and perpetual software licenses are distinct performance obligations where revenue is recognized upfront upon transfer of control. Term software licenses include multiple performance obligations where the term licenses are recognized upfront upon transfer of control, with the associated software maintenance revenue recognized ratably over the contract term as services and software updates are provided. SaaS arrangements do not include the right for the customer to take possession of the software during the term, and therefore have one distinct performance obligation which is satisfied over time with revenue recognized ratably over the contract term as the customer consumes the services. On our product sales, we record consideration from shipping and handling on a gross basis within net product sales. We record our revenue net of any associated sales taxes.

An allowance for future sales returns is established based on historical trends in product return rates. The allowance for future sales returns as of January 23, 2021 and July 25, 2020 was \$ 73 million and \$79 million, respectively, and was recorded as a reduction of our accounts receivable and revenue.

CISCO SYSTEMS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)
(Unaudited)

Significant Judgments

Revenue is allocated among these performance obligations in a manner that reflects the consideration that we expect to be entitled to for the promised goods or services based on standalone selling prices (SSP). SSP is estimated for each distinct performance obligation and judgment may be required in their determination. The best evidence of SSP is the observable price of a product or service when we sell the goods separately in similar circumstances and to similar customers. In instances where SSP is not directly observable, we determine SSP using information that may include market conditions and other observable inputs.

We apply judgment in determining the transaction price as we may be required to estimate variable consideration when determining the amount of revenue to recognize. Variable consideration includes potential contractual penalties and various rebate, cooperative marketing and other incentive programs that we offer to our distributors, channel partners and customers. When determining the amount of revenue to recognize, we estimate the expected usage of these programs, applying the expected value or most likely estimate and update the estimate at each reporting period as actual utilization becomes available. We also consider the customers' right of return in determining the transaction price, where applicable.

We assess certain software licenses, such as for security software, that contain critical updates or upgrades which customers can download throughout the contract term. Without these updates or upgrades, the functionality of the software would diminish over a relatively short time period. These updates or upgrades provide the customer the full functionality of the purchased security software licenses and are required to maintain the security license's utility as the risks and threats in the environment are rapidly changing. In these circumstances, the revenue from these software arrangements is recognized as a single performance obligation satisfied over the contract term.

(a) Disaggregation of Revenue

We disaggregate our revenue into groups of similar products and services that depict the nature, amount, and timing of revenue and cash flows for our various offerings. The sales cycle, contractual obligations, customer requirements, and go-to-market strategies differ for each of our product categories, resulting in different economic risk profiles for each category.

The following table presents this disaggregation of revenue (in millions):

	Three Months Ended		Six Months Ended	
	January 23, 2021	January 25, 2020	January 23, 2021	January 25, 2020
Revenue:				
Infrastructure Platforms	\$ 6,391	\$ 6,567	\$ 12,732	\$ 14,120
Applications	1,354	1,349	2,734	2,847
Security	822	749	1,684	1,565
Other Products	4	7	9	17
Total Product	8,572	8,671	17,159	18,549
Services	3,388	3,334	6,730	6,615
Total	<u>\$ 11,960</u>	<u>\$ 12,005</u>	<u>\$ 23,889</u>	<u>\$ 25,164</u>

Amounts may not sum due to rounding. We have made certain reclassifications to the product revenue amounts for prior period to conform to the current year presentation.

Infrastructure Platforms consist of our core networking technologies of switching, routing, wireless, and data center products that are designed to work together to deliver networking capabilities and transport and/or store data. These technologies consist of both hardware and software offerings, including software licenses and SaaS, that help our customers build networks, automate, orchestrate, integrate, and digitize data. We are shifting and expanding more of our business to software and subscriptions across our core networking portfolio. Our hardware and perpetual software in this category are distinct performance obligations where revenue is recognized upfront upon transfer of control. Term software licenses are multiple performance obligations where the term license is recognized upfront upon transfer of control with the associated software maintenance revenue recognized ratably over the contract term. SaaS arrangements in this category have one distinct performance obligation which is satisfied over time with revenue recognized ratably over the contract term.

Applications consists of offerings that utilize the core networking and data center platforms to provide their functions. The products consist primarily of software offerings, including software licenses and SaaS, as well as hardware. Our perpetual software and hardware in this category are distinct performance obligations where revenue is recognized upfront upon transfer of control. Term software licenses are multiple performance obligations where the term license is recognized upfront upon

CISCO SYSTEMS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)
(Unaudited)

transfer of control with the associated software maintenance revenue recognized ratably over the contract term. SaaS arrangements in this category have one distinct performance obligation which is satisfied over time with revenue recognized ratably over the contract term.

Security primarily includes our network security, cloud and email security, identity and access management, advanced threat protection, and unified threat management products. These products consist of both hardware and software offerings, including software licenses and SaaS. Updates and upgrades for the term software licenses are critical for our software to perform its intended commercial purpose because of the continuous need for our software to secure our customers' network environments against frequent threats. Therefore, security software licenses are generally represented by a single distinct performance obligation with revenue recognized ratably over the contract term. Our hardware and perpetual software in this category are distinct performance obligations where revenue is recognized upfront upon transfer of control. SaaS arrangements in this category have one distinct performance obligation which is satisfied over time with revenue recognized ratably over the contract term.

Other Products primarily includes our cloud and system management products. These products include both hardware and software licenses. Our offerings in this category are distinct performance obligations where revenue is recognized upfront upon transfer of control.

In addition to our product offerings, we provide a broad range of service and support options for our customers, including technical support services and advanced services. Technical support services represent the majority of these offerings which are distinct performance obligations that are satisfied over time with revenue recognized ratably over the contract term. Advanced services are distinct performance obligations that are satisfied over time with revenue recognized as services are delivered.

The sales arrangements as discussed above are typically made pursuant to customer purchase orders based on master purchase or partner agreements. Cash is received based on our standard payment terms which is typically 30 days. We provide financing arrangements to customers for all of our hardware, software and service offerings. Refer to Note 9 for additional information. For these arrangements, cash is typically received over time.

(b) Contract Balances

Accounts receivable, net was \$4.3 billion as of January 23, 2021 compared to \$5.5 billion as of July 25, 2020, as reported on the Consolidated Balance Sheets.

Contract assets consist of unbilled receivables and are recorded when revenue is recognized in advance of scheduled billings to our customers. These amounts are primarily related to software and service arrangements where transfer of control has occurred but we have not yet invoiced. Our contract assets for these unbilled receivables, net of allowances, were \$1.3 billion and \$1.2 billion as of January 23, 2021 and July 25, 2020, respectively, and were included in other current assets and other assets.

Gross contract assets by our internal risk ratings are summarized as follows (in millions):

	January 23, 2021
1 to 4	\$ 426
5 to 6	783
7 and Higher	98
Total	\$ 1,307

Contract liabilities consist of deferred revenue. Deferred revenue was \$20.8 billion as of January 23, 2021 compared to \$20.4 billion as of July 25, 2020. We recognized approximately \$3.0 billion and \$6.9 billion of revenue during the second quarter and first six months of fiscal 2021, respectively, that was included in the deferred revenue balance at July 25, 2020.

(c) Capitalized Contract Acquisition Costs

We capitalize direct and incremental costs incurred to acquire contracts, primarily sales commissions, for which the associated revenue is expected to be recognized in future periods. We incur these costs in connection with both initial contracts and renewals. These costs are initially deferred and typically amortized over the term of the customer contract which corresponds to the period of benefit. Deferred sales commissions were \$817 million and \$732 million as of January 23, 2021 and July 25, 2020, respectively, and were included in other current assets and other assets. The amortization expense associated with these costs was \$129 million and \$252 million for the second quarter and first six months of fiscal 2021, respectively, and \$122 million and \$238 million for the corresponding periods of fiscal 2020, respectively, and was included in sales and marketing expenses.

CISCO SYSTEMS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)
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4.
Acquisitions and Divestitures

We completed five acquisitions during the first six months of fiscal 2021.

A summary of the allocation of the total purchase consideration is presented as follows (in millions):

	Purchase Consideration	Net Tangible Assets Acquired (Liabilities Assumed)	Purchased Intangible Assets	Goodwill
Total acquisitions (five in total)	\$ 958	\$ 2	\$ 228	\$ 728

The total purchase consideration related to our acquisitions completed during the first six months of fiscal 2021 consisted of cash consideration and vested share-based awards assumed. The total cash and cash equivalents acquired from these acquisitions was approximately \$35 million. Total transaction costs related to acquisition and divestiture activities were \$10 million and \$9 million for the first six months of fiscal 2021 and 2020, respectively. These transaction costs were expensed as incurred in general and administrative expenses (“G&A”) in the Consolidated Statements of Operations.

The goodwill generated from acquisitions completed during the first six months of fiscal 2021 is primarily related to expected synergies. The goodwill is generally not deductible for income tax purposes.

The Consolidated Financial Statements include the operating results of each acquisition from the date of acquisition. Pro forma results of operations and the revenue and net income subsequent to the acquisition date for the acquisitions completed during the first six months of fiscal 2021 have not been presented because the effects of the acquisitions, individually and in the aggregate, were not material to our financial results.

Pending Acquisition of Acacia Communications On July 9, 2019, we announced our intent to acquire Acacia Communications, Inc. (“Acacia”), a public fabless semiconductor company that develops, manufactures and sells high-speed coherent optical interconnect products that are designed to transform communications networks through improvements in performance, capacity and cost.

On January 14, 2021, Cisco and Acacia announced an amendment to the definitive merger agreement under which we had previously agreed to acquire Acacia. Under the terms of the amended agreement, we have agreed to acquire Acacia for \$115 per share in cash, or approximately \$4.5 billion on a fully diluted basis, net of cash and marketable securities. The acquisition is expected to close during the third quarter of fiscal 2021, subject to customary closing conditions, including Acacia stockholder approval. All required regulatory approvals have been received. Upon close of the acquisition, revenue from Acacia will be included in our Infrastructure Platforms product category.

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NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)
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5. Goodwill and Purchased Intangible Assets

(a) Goodwill

The following table presents the goodwill allocated to our reportable segments as of January 23, 2021 and during the first six months of fiscal 2021 (in millions):

	Balance at July 25, 2020	Acquisitions & Divestitures	Foreign Currency Translation and Other	Balance at January 23, 2021
Americas	\$ 21,304	\$ 415	\$ 135	\$ 21,854
EMEA	8,040	198	51	8,289
APJC	4,462	100	28	4,590
Total	<u>\$ 33,806</u>	<u>\$ 713</u>	<u>\$ 214</u>	<u>\$ 34,733</u>

(b) Purchased Intangible Assets

The following table presents details of our intangible assets acquired through acquisitions completed during the first six months of fiscal 2021 (in millions, except years):

	FINITE LIVES						INDEFINITE LIVES	TOTAL
	TECHNOLOGY		CUSTOMER RELATIONSHIPS		OTHER		IPR&D	
	Weighted-Average Useful Life (in Years)	Amount	Weighted-Average Useful Life (in Years)	Amount	Weighted-Average Useful Life (in Years)	Amount	Amount	
Total acquisitions (five in total)	3.8	\$ 179	4.0	\$ 43	2.0	\$ 6	-	\$ 228

The following tables present details of our purchased intangible assets (in millions):

<u>January 23, 2021</u>	Gross	Accumulated Amortization	Net
Purchased intangible assets with finite lives:			
Technology	\$ 2,625	\$ (1,700)	\$ 925
Customer relationships	773	(404)	369
Other	13	(5)	8
Total purchased intangible assets with finite lives	3,411	(2,109)	1,302
In-process research and development, with indefinite lives	160	-	160
Total	<u>\$ 3,571</u>	<u>\$ (2,109)</u>	<u>\$ 1,462</u>

<u>July 25, 2020</u>	Gross	Accumulated Amortization	Net
Purchased intangible assets with finite lives:			
Technology	\$ 3,298	\$ (2,336)	\$ 962
Customer relationships	760	(365)	395
Other	26	(20)	6
Total purchased intangible assets with finite lives	4,084	(2,721)	1,363
In-process research and development, with indefinite lives	213	-	213
Total	<u>\$ 4,297</u>	<u>\$ (2,721)</u>	<u>\$ 1,576</u>

Purchased intangible assets include intangible assets acquired through acquisitions as well as through direct purchases or licenses.

CISCO SYSTEMS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)
(Unaudited)

The following table presents the amortization of purchased intangible assets, including impairment charges (in millions):

	Three Months Ended		Six Months Ended	
	January 23, 2021	January 25, 2020	January 23, 2021	January 25, 2020
Amortization of purchased intangible assets:				
Cost of sales	\$ 156	\$ 165	\$ 326	\$ 331
Operating expenses	39	38	75	74
Total	<u>\$ 195</u>	<u>\$ 203</u>	<u>\$ 401</u>	<u>\$ 405</u>

The estimated future amortization expense of purchased intangible assets with finite lives as of January 23, 2021 is as follows (in millions):

Fiscal Year	Amount
2021 (remaining six months)	\$ 311
2022	\$ 453
2023	\$ 308
2024	\$ 188
2025	\$ 31
Thereafter	\$ 11

CISCO SYSTEMS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)
(Unaudited)

6.
Restructuring and Other Charges

We initiated a restructuring plan in the first quarter of fiscal 2021 (the “Fiscal 2021 Plan”), which includes a voluntary early retirement program, in order to realign the organization and enable further investment in key priority areas. The total pretax charges are estimated to be approximately \$900 million. In connection with the Fiscal 2021 Plan, we incurred charges of \$232 million and \$834 million for the second quarter and first six months of fiscal 2021, respectively.

We initiated a restructuring plan in fiscal 2020 (the “Fiscal 2020 Plan”) in order to realign the organization and enable further investment in key priority areas. The total pretax charges are estimated to be approximately \$300 million. In connection with the Fiscal 2020 Plan, we have incurred cumulative charges of \$257 million.

The aggregate pretax charges related to these plans are primarily cash-based and consist of severance and other one-time termination benefits, and other costs. We expect to substantially complete both plans in fiscal 2021.

The following tables summarize the activities related to the restructuring and other charges (in millions):

	FISCAL 2020 AND PRIOR PLANS		FISCAL 2021 PLAN		Total
	Employee Severance	Other	Employee Severance	Other	
Liability as of July 25, 2020	\$ 58	\$ 14	\$ -	\$ -	\$ 72
Charges	-	2	804	30	836
Cash payments	(58)	(3)	(703)	(3)	(767)
Non-cash items	-	-	-	(21)	(21)
Liability as of January 23, 2021	\$ -	\$ 13	\$ 101	\$ 6	\$ 120

	FISCAL 2018 AND PRIOR PLANS		Total
	Employee Severance	Other	
Liability as of July 27, 2019	\$ 22	\$ 11	\$ 33
Charges	209	17	226
Cash payments	(202)	(1)	(203)
Non-cash items	-	(23)	(23)
Liability as of January 25, 2020	\$ 29	\$ 4	\$ 33

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NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)
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7.
Balance Sheet and Other Details

The following tables provide details of selected balance sheet and other items (in millions):

	January 23, 2021	July 25, 2020
Cash and cash equivalents	\$ 11,793	\$ 11,809
Restricted cash included in other current assets	7	-
Restricted cash included in other assets	3	3
Total cash, cash equivalents, and restricted cash	<u>\$ 11,803</u>	<u>\$ 11,812</u>
Inventories:		
Raw materials	\$ 527	\$ 456
Work in process	30	25
Finished goods:		
Deferred cost of sales	74	59
Manufactured finished goods	600	542
Total finished goods	<u>674</u>	<u>601</u>
Service-related spares	191	184
Demonstration systems	14	16
Total	<u>\$ 1,436</u>	<u>\$ 1,282</u>
Our provision for inventory was \$ 65 million and \$30 million for the first six months of fiscal 2021 and 2020, respectively.		
Property and equipment, net:		
Gross property and equipment:		
Land, buildings, and building and leasehold improvements	\$ 4,291	\$ 4,252
Computer equipment and related software	864	875
Production, engineering, and other equipment	5,193	5,163
Operating lease assets	343	337
Furniture, fixtures and other	375	387
Total gross property and equipment	11,066	11,014
Less: accumulated depreciation and amortization	(8,680)	(8,561)
Total	<u>\$ 2,386</u>	<u>\$ 2,453</u>
Deferred revenue:		
Product	\$ 8,332	\$ 7,895
Service	12,514	12,551
Total	<u>\$ 20,846</u>	<u>\$ 20,446</u>
Reported as:		
Current	\$ 11,552	\$ 11,406
Noncurrent	9,294	9,040
Total	<u>\$ 20,846</u>	<u>\$ 20,446</u>
Remaining Performance Obligations:		
Product	\$ 11,666	\$ 11,261
Service	16,512	17,093
Total	<u>\$ 28,178</u>	<u>\$ 28,354</u>

Remaining Performance Obligations (RPO) are comprised of deferred revenue plus unbilled contract revenue. As of January 23, 2021, the aggregate amount of RPO was comprised of \$20.8 billion of deferred revenue and \$7.3 billion of unbilled contract revenue. We expect approximately 54% of this amount of be recognized as revenue over the next 12 months. As of July 25, 2020, the aggregate amount of RPO was comprised of \$20.4 billion of deferred revenue and \$7.9 billion of unbilled contract revenue. Unbilled contract revenue represents noncancelable contracts for which we have not invoiced, have an obligation to perform, and revenue has not yet been recognized in the financial statements.

CISCO SYSTEMS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)
(Unaudited)

8.

Leases

(a) Lessee Arrangements

The following table presents our operating lease balances (in millions):

	Balance Sheet Line Item	January 23, 2021	July 25, 2020
Operating lease right-of-use assets	Other assets	\$ 974	\$ 921
Operating lease liabilities	Other current liabilities	\$ 366	\$ 341
Operating lease liabilities	Other long-term liabilities	688	661
Total operating lease liabilities		\$ 1,054	\$ 1,002

The components of our lease expenses were as follows (in millions):

	Three Months Ended		Six Months Ended	
	January 23, 2021	January 25, 2020	January 23, 2021	January 25, 2020
Operating lease expense	\$ 103	\$ 101	\$ 201	\$ 214
Short-term lease expense	17	16	35	33
Variable lease expense	43	39	89	79
Total lease expense	\$ 163	\$ 156	\$ 325	\$ 326

Supplemental information related to our operating leases is as follows (in millions):

	Six Months Ended	
	January 23, 2021	January 25, 2020
Cash paid for amounts included in the measurement of lease liabilities - operating cash flows	\$ 201	\$ 206
Right-of-use assets obtained in exchange for operating leases liabilities	\$ 218	\$ 77

The weighted-average lease term was 4.2 years and 4.0 years as of January 23, 2021 and July 25, 2020, respectively. The weighted-average discount rate was 1.0% and 1.5% as of January 23, 2021 and July 25, 2020, respectively.

The maturities of our operating leases (undiscounted) as of January 23, 2021 are as follows (in millions):

Fiscal Year	Amount
2021 (remaining six months)	\$ 193
2022	304
2023	232
2024	151
2025	92
Thereafter	104
Total lease payments	1,076
Less interest	(22)
Total	\$ 1,054

CISCO SYSTEMS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)
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(b) Lessor Arrangements

Our leases primarily represent sales-type leases with terms of four years on average. We provide leasing of our equipment and complementary third-party products primarily through our channel partners and distributors, for which the income arising from these leases is recognized through interest income. Interest income for the second quarter and first six months of fiscal 2021 was \$19 million and \$40 million, respectively, and \$23 million and \$49 million for the corresponding periods of fiscal 2020, respectively, and was included in interest income in the Consolidated Statement of Operations. The net investment of our lease receivables is measured at the commencement date as the gross lease receivable, residual value less unearned income and allowance for credit loss. For additional information, see Note 9.

Future minimum lease payments on our lease receivables as of January 23, 2021 are summarized as follows (in millions):

Fiscal Year	Amount
2021 (remaining six months)	\$ 330
2022	685
2023	455
2024	237
2025	130
Thereafter	28
Total	<u>1,865</u>
Less: Present value of lease payments	1,768
Unearned income	<u>\$ 97</u>

Actual cash collections may differ from the contractual maturities due to early customer buyouts, refinancings, or defaults.

We provide financing of certain equipment through operating leases, and the amounts are included in property and equipment in the Consolidated Balance Sheets. Amounts relating to equipment on operating lease assets held by Cisco and the associated accumulated depreciation are summarized as follows (in millions):

	January 23, 2021	July 25, 2020
Operating lease assets	\$ 343	\$ 337
Accumulated depreciation	(201)	(198)
Operating lease assets, net	<u>\$ 142</u>	<u>\$ 139</u>

Our operating lease income for the second quarter and first six months of fiscal 2021 was \$40 million and \$83 million, respectively, and \$50 million and \$94 million for the corresponding periods of fiscal 2020, respectively, and was included in product revenue in the Consolidated Statement of Operations.

Minimum future rentals on noncancelable operating leases as of January 23, 2021 are summarized as follows (in millions):

Fiscal Year	Amount
2021 (remaining six months)	\$ 38
2022	44
2023	20
2024	4
Total	<u>\$ 106</u>

CISCO SYSTEMS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)
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9.
Financing Receivables

(a) Financing Receivables

Financing receivables primarily consist of lease receivables, loan receivables, and financed service contracts. Lease receivables represent sales-type leases resulting from the sale of Cisco's and complementary third-party products and are typically collateralized by a security interest in the underlying assets. Lease receivables consist of arrangements with terms of four years on average. Loan receivables represent financing arrangements related to the sale of our hardware, software, and services, which may include additional funding for other costs associated with network installation and integration of our products and services. Loan receivables have terms of three years on average. Financed service contracts include financing receivables related to technical support and advanced services. Revenue related to the technical support services is typically deferred and included in deferred service revenue and is recognized ratably over the period during which the related services are to be performed, which typically ranges from one year to three years.

A summary of our financing receivables is presented as follows (in millions):

<u>January 23, 2021</u>	Lease Receivables	Loan Receivables	Financed Service Contracts	Total
Gross	\$ 1,865	\$ 5,817	\$ 2,575	\$ 10,257
Residual value	115	-	-	115
Unearned income	(97)	-	-	(97)
Allowance for credit loss	(43)	(96)	(9)	(148)
Total, net	\$ 1,840	\$ 5,721	\$ 2,566	\$ 10,127
Reported as:				
Current	\$ 868	\$ 2,746	\$ 1,413	\$ 5,027
Noncurrent	972	2,975	1,153	5,100
Total, net	\$ 1,840	\$ 5,721	\$ 2,566	\$ 10,127
<u>July 25, 2020</u>	Lease Receivables	Loan Receivables	Financed Service Contracts	Total
Gross	\$ 2,127	\$ 5,937	\$ 2,830	\$ 10,894
Residual value	123	-	-	123
Unearned income	(114)	-	-	(114)
Allowance for credit loss	(48)	(81)	(9)	(138)
Total, net	\$ 2,088	\$ 5,856	\$ 2,821	\$ 10,765
Reported as:				
Current	\$ 918	\$ 2,692	\$ 1,441	\$ 5,051
Noncurrent	1,170	3,164	1,380	5,714
Total, net	\$ 2,088	\$ 5,856	\$ 2,821	\$ 10,765

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NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)
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(b) Credit Quality of Financing Receivables

Gross financing receivables⁽¹⁾ categorized by our internal credit risk rating by period of origination as of January 23, 2021 are summarized as follows (in millions):

Internal Credit Risk Rating	Prior	Fiscal Year				Six Months Ended	Total
		July 29, 2017	July 28, 2018	July 27, 2019	July 25, 2020	January 23, 2021	
Lease Receivables:							
1 to 4	\$ 10	\$ 49	\$ 153	\$ 248	\$ 331	\$ 16	\$ 807
5 to 6	15	48	121	270	360	98	912
7 and Higher	3	2	6	14	20	4	49
Total Lease Receivables	\$ 28	\$ 99	\$ 280	\$ 532	\$ 711	\$ 118	\$ 1,768
Loan Receivables:							
1 to 4	\$ 16	\$ 141	\$ 387	\$ 774	\$ 1,302	\$ 1,053	\$ 3,673
5 to 6	5	60	145	362	745	672	1,989
7 and Higher	2	3	8	65	58	19	155
Total Loan Receivables	\$ 23	\$ 204	\$ 540	\$ 1,201	\$ 2,105	\$ 1,744	\$ 5,817
Financed Service Contracts:							
1 to 4	\$ 2	\$ 49	\$ 51	\$ 213	\$ 455	\$ 742	\$ 1,512
5 to 6	1	21	57	235	412	305	1,031
7 and Higher	-	-	2	15	12	3	32
Total Financed Service Contracts	\$ 3	\$ 70	\$ 110	\$ 463	\$ 879	\$ 1,050	\$ 2,575
Total	\$ 54	\$ 373	\$ 930	\$ 2,196	\$ 3,695	\$ 2,912	\$ 10,160

⁽¹⁾ Lease receivables calculated as gross lease receivables, excluding residual value, less unearned income

The following table summarizes our gross receivables categorized by our internal credit risk rating as of July 25, 2020 and was not restated to reflect the impact of adoption of the accounting standards update on *Credit Losses on Financial Instruments*:

July 25, 2020	INTERNAL CREDIT RISK RATING			
	1 to 4	5 to 6	7 and Higher	Total
Lease receivables	\$ 992	\$ 952	\$ 69	\$ 2,013
Loan receivables	3,808	1,961	168	5,937
Financed service contracts	1,645	1,153	32	2,830
Total	\$ 6,445	\$ 4,066	\$ 269	\$ 10,780

The following tables present the aging analysis of gross receivables as of January 23, 2021 and July 25, 2020 (in millions):

January 23, 2021	DAYS PAST DUE (INCLUDES BILLED AND UNBILLED)				Total Past Due	Current	Total	120+ Still Accruing	Nonaccrual Financing Receivables	Impaired Financing Receivables
	31-60	61-90	91+							
Lease receivables	\$ 68	\$ 13	\$ 83	\$ 164	\$ 1,604	\$ 1,768	\$ 2	\$ 33	\$ 33	
Loan receivables	109	30	73	212	5,605	5,817	15	50	50	
Financed service contracts	40	11	101	152	2,423	2,575	31	4	4	
Total	\$ 217	\$ 54	\$ 257	\$ 528	\$ 9,632	\$ 10,160	\$ 48	\$ 87	\$ 87	

CISCO SYSTEMS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)
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July 25, 2020	DAYS PAST DUE (INCLUDES BILLED AND UNBILLED)				Current	Total	Nonaccrual Financing Receivables	Impaired Financing Receivables
	31-60	61-90	91+	Total Past Due				
Lease receivables	\$ 29	\$ 47	\$ 48	\$ 124	\$ 1,889	\$ 2,013	\$ 43	\$ 43
Loan receivables	129	78	78	285	5,652	5,937	65	65
Financed service contracts	69	75	124	268	2,562	2,830	4	4
Total	\$ 227	\$ 200	\$ 250	\$ 677	\$ 10,103	\$ 10,780	\$ 112	\$ 112

Past due financing receivables are those that are 31 days or more past due according to their contractual payment terms. The data in the preceding tables is presented by contract, and the aging classification of each contract is based on the oldest outstanding receivable, and therefore past due amounts also include unbilled and current receivables within the same contract.

As of July 25, 2020, we had financing receivables of \$67 million, net of unbilled or current receivables, that were greater than 120 days plus past due but remained on accrual status as they are well secured and in the process of collection.

(c) Allowance for Credit Loss Rollforward

The allowances for credit loss and the related financing receivables are summarized as follows (in millions):

Three months ended January 23, 2021	CREDIT LOSS ALLOWANCES			
	Lease Receivables	Loan Receivables	Financed Service Contracts	Total
Allowance for credit loss as of October 24, 2020	\$ 46	\$ 101	\$ 7	\$ 154
Provisions (benefits)	(4)	(6)	2	(8)
Other	1	1	-	2
Allowance for credit loss as of January 23, 2021	\$ 43	\$ 96	\$ 9	\$ 148

Six months ended January 23, 2021	CREDIT LOSS ALLOWANCES			
	Lease Receivables	Loan Receivables	Financed Service Contracts	Total
Allowance for credit loss as of July 25, 2020	\$ 48	\$ 81	\$ 9	\$ 138
Provisions (benefits)	(7)	(3)	1	(9)
Other	2	18	(1)	19
Allowance for credit loss as of January 23, 2021	\$ 43	\$ 96	\$ 9	\$ 148

Three months ended January 25, 2020	CREDIT LOSS ALLOWANCES			
	Lease Receivables	Loan Receivables	Financed Service Contracts	Total
Allowance for credit loss as of October 26, 2019	\$ 43	\$ 81	\$ 9	\$ 133
Provisions (benefits)	(1)	15	-	14
Recoveries (write-offs), net	(1)	(1)	-	(2)
Foreign exchange and other	1	-	(1)	-
Allowance for credit loss as of January 25, 2020	\$ 42	\$ 95	\$ 8	\$ 145

Six months ended January 25, 2020	CREDIT LOSS ALLOWANCES			
	Lease Receivables	Loan Receivables	Financed Service Contracts	Total
Allowance for credit loss as of July 27, 2019	\$ 46	\$ 71	\$ 9	\$ 126
Provisions (benefits)	(4)	42	-	38
Recoveries (write-offs), net	(1)	(17)	-	(18)
Foreign exchange and other	1	(1)	(1)	(1)
Allowance for credit loss as of January 25, 2020	\$ 42	\$ 95	\$ 8	\$ 145

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NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)
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10.
Available-for-Sale Debt and Equity Investments

(a) Summary of Available-for-Sale Debt Investments

The following tables summarize our available-for-sale debt investments (in millions):

<u>January 23, 2021</u>	Amortized Cost	Gross Unrealized Gains	Gross Unrealized and Credit Losses	Fair Value
U.S. government securities	\$ 2,613	\$ 50	\$ -	\$ 2,663
U.S. government agency securities	168	-	-	168
Corporate debt securities	10,516	296	(26)	10,786
U.S. agency mortgage-backed securities	2,796	47	(3)	2,840
Commercial paper	1,730	-	-	1,730
Certificates of deposit	603	-	-	603
Total ⁽¹⁾	\$ 18,426	\$ 393	\$ (29)	\$ 18,790

<u>July 25, 2020</u>	Amortized Cost	Gross Unrealized Gains	Gross Unrealized Losses	Fair Value
U.S. government securities	\$ 2,614	\$ 71	\$ -	\$ 2,685
U.S. government agency securities	110	-	-	110
Corporate debt securities	11,549	334	(6)	11,877
U.S. agency mortgage-backed securities	1,987	49	(1)	2,035
Commercial paper	727	-	-	727
Certificates of deposit	176	-	-	176
Total	\$ 17,163	\$ 454	\$ (7)	\$ 17,610

⁽¹⁾ Net unsettled investment sales were \$39 million as of January 23, 2021 and were included in other current assets.

The following table presents the gross realized gains and gross realized losses related to available-for-sale debt investments (in millions):

	Three Months Ended		Six Months Ended	
	January 23, 2021	January 25, 2020	January 23, 2021	January 25, 2020
Gross realized gains	\$ 9	\$ 13	\$ 24	\$ 25
Gross realized losses	-	(2)	-	(4)
Total	\$ 9	\$ 11	\$ 24	\$ 21

The following tables present the breakdown of the available-for-sale debt investments with gross unrealized losses and the duration that those losses had been unrealized at January 23, 2021 and July 25, 2020 (in millions):

	UNREALIZED LOSSES LESS THAN 12 MONTHS		UNREALIZED LOSSES 12 MONTHS OR GREATER		TOTAL	
	Fair Value	Gross Unrealized Losses	Fair Value	Gross Unrealized Losses	Fair Value	Gross Unrealized Losses
<u>January 23, 2021</u>						
U.S. government securities	\$ 109	\$ -	\$ -	\$ -	\$ 109	\$ -
U.S. government agency securities	36	-	-	-	36	-
Corporate debt securities	663	(1)	-	-	663	(1)
U.S. agency mortgage-backed securities	698	(3)	-	-	698	(3)
Certificates of deposit	15	-	-	-	15	-
Total	\$ 1,521	\$ (4)	\$ -	\$ -	\$ 1,521	\$ (4)

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	UNREALIZED LOSSES LESS THAN 12 MONTHS		UNREALIZED LOSSES 12 MONTHS OR GREATER		TOTAL	
	Fair Value	Gross Unrealized Losses	Fair Value	Gross Unrealized Losses	Fair Value	Gross Unrealized Losses
July 25, 2020						
U.S. government agency securities	\$ 33	\$ -	\$ -	\$ -	\$ 33	\$ -
Corporate debt securities	1,060	(6)	3	-	1,063	(6)
U.S. agency mortgage-backed securities	265	(1)	-	-	265	(1)
Total	\$ 1,358	\$ (7)	\$ 3	\$ -	\$ 1,361	\$ (7)

The following table summarizes the maturities of our available-for-sale debt investments as of January 23, 2021 (in millions):

	Amortized Cost	Fair Value
Within 1 year	\$ 6,674	\$ 6,679
After 1 year through 5 years	7,035	7,201
After 5 years through 10 years	1,913	2,060
After 10 years	8	10
Mortgage-backed securities with no single maturity	2,796	2,840
Total	\$ 18,426	\$ 18,790

Actual maturities may differ from the contractual maturities because borrowers may have the right to call or prepay certain obligations.

(b) Summary of Equity Investments

Our net unrealized gains recognized during the reporting period on our marketable and non-marketable equity securities still held as of January 23, 2021 was \$

4 million for each of the second quarter and first six months of fiscal 2021, and a net gain of \$3 million for the corresponding periods of fiscal 2020. Our net adjustments to non-marketable equity securities measured using the measurement alternative was a net gain of \$3 million and \$4 million for the second quarter and first six months of fiscal 2021, respectively. These adjustments were net gains of \$3 million for each of the corresponding periods of fiscal 2020. We held equity interests in certain private equity funds of \$0.7 billion as of each of January 23, 2021 and July 25, 2020, which are accounted for under the NAV practical expedient.

In the ordinary course of business, we have investments in privately held companies and provide financing to certain customers. These privately held companies and customers are evaluated for consolidation under the variable interest or voting interest entity models. We evaluate on an ongoing basis our investments in these privately held companies and our customer financings, and have determined that as of January 23, 2021, except as disclosed herein, there were no significant variable interest or voting interest entities required to be consolidated in our Consolidated Financial Statements.

The carrying value of our investments in privately held companies was \$1.3 billion as of each of January 23, 2021 and July 25, 2020.

Of the total carrying value of our investments in privately held companies as of January 23, 2021, \$0.7 billion of such investments are considered to be in variable interest entities which are unconsolidated. We have total funding commitments of \$0.3 billion related to privately held investments, some of which may be based on the achievement of certain agreed-upon milestones, and some of which are required to be funded on demand. The carrying value of these investments and the additional funding commitments collectively represent our maximum exposure related to privately held investments.

11.

Fair Value

Fair value is defined as the price that would be received from selling an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. When determining the fair value measurements for assets and liabilities required or permitted to be either recorded or disclosed at fair value, we consider the principal or most advantageous market in which we would transact, and we also consider assumptions that market participants would use when pricing the asset or liability.

CISCO SYSTEMS, INC.
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(a) Fair Value Hierarchy

The accounting guidance for fair value measurement requires an entity to maximize the use of observable inputs and minimize the use of unobservable inputs when measuring fair value. The standard establishes a fair value hierarchy based on the level of independent, objective evidence surrounding the inputs used to measure fair value. A financial instrument's categorization within the fair value hierarchy is based upon the lowest level of input that is significant to the fair value measurement. The fair value hierarchy is as follows:

Level 1 applies to assets or liabilities for which there are quoted prices in active markets for identical assets or liabilities.

Level 2 applies to assets or liabilities for which there are inputs other than quoted prices that are observable for the asset or liability, such as quoted prices for similar assets or liabilities in active markets; quoted prices for identical assets or liabilities in markets with insufficient volume or infrequent transactions (less active markets); or model-derived valuations in which significant inputs are observable or can be derived principally from, or corroborated by, observable market data.

Level 3 applies to assets or liabilities for which there are unobservable inputs to the valuation methodology that are significant to the measurement of the fair value of the assets or liabilities.

(b) Assets and Liabilities Measured at Fair Value on a Recurring Basis

Assets and liabilities measured at fair value on a recurring basis were as follows (in millions):

	JANUARY 23, 2021				JULY 25, 2020			
	FAIR VALUE MEASUREMENTS				FAIR VALUE MEASUREMENTS			
	Level 1	Level 2	Level 3	Total Balance	Level 1	Level 2	Level 3	Total Balance
Assets:								
Cash equivalents:								
Money market funds	\$ 8,515	\$ -	\$ -	\$ 8,515	\$ 10,024	\$ -	\$ -	\$ 10,024
Corporate debt securities	-	9	-	9	-	8	-	8
Certificates of deposit	-	161	-	161	-	-	-	-
Commercial paper	-	902	-	902	-	-	-	-
Available-for-sale debt investments:								
U.S. government securities	-	2,663	-	2,663	-	2,685	-	2,685
U.S. government agency securities	-	168	-	168	-	110	-	110
Corporate debt securities	-	10,786	-	10,786	-	11,877	-	11,877
U.S. agency mortgage-backed securities	-	2,840	-	2,840	-	2,035	-	2,035
Commercial paper	-	1,730	-	1,730	-	727	-	727
Certificates of deposit	-	603	-	603	-	176	-	176
Equity investments:								
Marketable equity securities	5	-	-	5	-	-	-	-
Assets:								
Derivative assets	-	165	6	171	-	190	1	191
Total	\$ 8,520	\$ 20,027	\$ 6	\$ 28,553	\$ 10,024	\$ 17,808	\$ 1	\$ 27,833
Liabilities:								
Derivative liabilities	\$ -	\$ 26	\$ -	\$ 26	\$ -	\$ 10	\$ -	\$ 10
Total	\$ -	\$ 26	\$ -	\$ 26	\$ -	\$ 10	\$ -	\$ 10

Level 1 marketable securities are determined by using quoted prices in active markets for identical assets. Level 2 available-for-sale debt investments are priced using quoted market prices for similar instruments or nonbinding market prices that are corroborated by observable market data. We use inputs such as actual trade data, benchmark yields, broker/dealer quotes, and other similar data, which are obtained from quoted market prices, independent pricing vendors, or other sources, to determine the ultimate fair value of these assets and liabilities. We use such pricing data as the primary input to make our assessments and

CISCO SYSTEMS, INC.
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determinations as to the ultimate valuation of our investment portfolio and have not made, during the periods presented, any material adjustments to such inputs. We are ultimately responsible for the financial statements and underlying estimates. Our derivative instruments are primarily classified as Level 2, as they are not actively traded and are valued using pricing models that use observable market inputs. We did not have any transfers between Level 1 and Level 2 fair value measurements during the periods presented. Level 3 assets include certain derivative instruments, the values of which are determined based on discounted cash flow models using inputs that we could not corroborate with market data.

(c) Assets Measured at Fair Value on a Nonrecurring Basis

The carrying value of our non-marketable equity securities recorded to fair value on a non-recurring basis is adjusted for observable transactions for identical or similar investments of the same issuer or impairment. These securities are classified as Level 3 in the fair value hierarchy because we estimate the value based on valuation methods using the observable transaction price at the transaction date and other unobservable inputs such as volatility, rights, and obligations of the securities we hold.

(d) Other Fair Value Disclosures

The fair value of our short-term loan receivables and financed service contracts approximates their carrying value due to their short duration. The aggregate carrying value of our long-term loan receivables and financed service contracts as of January 23, 2021 and July 25, 2020 was \$ 4.1 billion and \$4.5 billion, respectively. The estimated fair value of our long-term loan receivables and financed service contracts approximates their carrying value. We use significant unobservable inputs in determining discounted cash flows to estimate the fair value of our long-term loan receivables and financed service contracts, and therefore they are categorized as Level 3.

As of January 23, 2021, the estimated fair value of our short-term debt approximates its carrying value due to the short maturities. As of January 23, 2021, the fair value of our senior notes was \$16.8 billion with a carrying amount of \$14.6 billion. This compares to a fair value of \$17.4 billion and a carrying amount of \$14.6 billion as of July 25, 2020. The fair value of the senior notes was determined based on observable market prices in a less active market and was categorized as Level 2 in the fair value hierarchy.

12.

Borrowings

(a) Short-Term Debt

The following table summarizes our short-term debt (in millions, except percentages):

	January 23, 2021		July 25, 2020	
	Amount	Effective Rate	Amount	Effective Rate
Current portion of long-term debt	\$ 5,000	2.00%	\$ 3,005	2.07%

We have a short-term debt financing program of up to \$10.0 billion through the issuance of commercial paper notes. We use the proceeds from the issuance of commercial paper notes for general corporate purposes.

The effective rates for the short- and long-term debt include the interest on the notes, the accretion of the discount, the issuance costs, and, if applicable, adjustments related to hedging.

CISCO SYSTEMS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)
(Unaudited)

(b) Long-Term Debt

The following table summarizes our long-term debt (in millions, except percentages):

	Maturity Date	January 23, 2021		July 25, 2020	
		Amount	Effective Rate	Amount	Effective Rate
Senior notes:					
Fixed-rate notes:					
2.20%	February 28, 2021	\$ 2,500	2.30%	\$ 2,500	2.30%
2.90%	March 4, 2021	500	0.92%	500	0.94%
1.85%	September 20, 2021	2,000	1.90%	2,000	1.90%
3.00%	June 15, 2022	500	1.17%	500	1.21%
2.60%	February 28, 2023	500	2.68%	500	2.68%
2.20%	September 20, 2023	750	2.27%	750	2.27%
3.625%	March 4, 2024	1,000	1.04%	1,000	1.06%
3.50%	June 15, 2025	500	1.33%	500	1.37%
2.95%	February 28, 2026	750	3.01%	750	3.01%
2.50%	September 20, 2026	1,500	2.55%	1,500	2.55%
5.90%	February 15, 2039	2,000	6.11%	2,000	6.11%
5.50%	January 15, 2040	2,000	5.67%	2,000	5.67%
Total		14,500		14,500	
Unaccrued discount/issuance costs		(84)		(88)	
Hedge accounting fair value adjustments		138		171	
Total		<u>\$ 14,554</u>		<u>\$ 14,583</u>	
Reported as:					
Current portion of long-term debt		\$ 5,000		\$ 3,005	
Long-term debt		9,554		11,578	
Total		<u>\$ 14,554</u>		<u>\$ 14,583</u>	

We have entered into interest rate swaps in prior periods with an aggregate notional amount of \$2.5 billion designated as fair value hedges of certain of our fixed-rate senior notes. These swaps convert the fixed interest rates of the fixed-rate notes to floating interest rates based on the London InterBank Offered Rate (“LIBOR”). The gains and losses related to changes in the fair value of the interest rate swaps substantially offset changes in the fair value of the hedged portion of the underlying debt that are attributable to the changes in market interest rates. For additional information, see Note 13.

Interest is payable semiannually on each class of the senior fixed-rate notes. Each of the senior fixed-rate notes is redeemable by us at any time, subject to a make-whole premium. The senior notes rank at par with the commercial paper notes that may be issued in the future pursuant to our short-term debt financing program, as discussed above under “(a) Short-Term Debt.” As of January 23, 2021, we were in compliance with all debt covenants.

As of January 23, 2021, future principal payments for long-term debt, including the current portion, are summarized as follows (in millions):

Fiscal Year	Amount
2021 (remaining six months)	\$ 3,000
2022	2,500
2023	500
2024	1,750
2025	500
Thereafter	6,250
Total	<u>\$ 14,500</u>

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NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)
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(c) Credit Facility

On May 15, 2020, we entered into a 364-day credit agreement with certain institutional lenders that provides for a \$2.75 billion unsecured revolving credit facility that is scheduled to expire on May 14, 2021. On January 25, 2021, we entered into an amendment to the credit facility to obtain consent of the lenders to our reincorporation to Delaware. The credit agreement is structured as an amendment and restatement of our five-year credit facility which would have terminated on May 15, 2020, the end of its five-year term. As of January 23, 2021, we were in compliance with the required interest coverage ratio and the other covenants, and we had not borrowed any funds under the credit facility.

Any advances under the credit agreement will accrue interest at rates that are equal to, based on certain conditions, either (i) the highest of (a) the Federal Funds rate plus 0.50%, (b) Bank of America’s “prime rate” as announced from time to time, or (c) LIBOR, or a comparable or successor rate that is approved by the Administrative Agent (“Eurocurrency Rate”), for an interest period of one-month plus 1.00%, or (ii) the Eurocurrency Rate, plus a margin that is based on our senior debt credit ratings as published by Standard & Poor’s Financial Services, LLC and Moody’s Investors Service, Inc., provided that in no event will the Eurocurrency Rate be less than 0.25%. We may also, upon the agreement of either the then-existing lenders or additional lenders not currently parties to the agreement, increase the commitments under the credit facility by up to an additional \$2.0 billion. The credit agreement requires that we comply with certain covenants, including that we maintain an interest coverage ratio as defined in the agreement.

13.

Derivative Instruments

(a) Summary of Derivative Instruments

We use derivative instruments primarily to manage exposures to foreign currency exchange rate, interest rate, and equity price risks. Our primary objective in holding derivatives is to reduce the volatility of earnings and cash flows associated with changes in foreign currency exchange rates, interest rates, and equity prices. Our derivatives expose us to credit risk to the extent that the counterparties may be unable to meet the terms of the agreement. We do, however, seek to mitigate such risks by limiting our counterparties to major financial institutions and requiring collateral in certain cases. In addition, the potential risk of loss with any one counterparty resulting from this type of credit risk is monitored. Management does not expect material losses as a result of defaults by counterparties.

The fair values of our derivative instruments and the line items on the Consolidated Balance Sheets to which they were recorded are summarized as follows (in millions):

	DERIVATIVE ASSETS			DERIVATIVE LIABILITIES		
	Balance Sheet Line Item	January 23, 2021	July 25, 2020	Balance Sheet Line Item	January 23, 2021	July 25, 2020
Derivatives designated as hedging instruments:						
Foreign currency derivatives	Other current assets	\$ 7	\$ 7	Other current liabilities	\$ 14	\$ 2
Interest rate derivatives	Other current assets	1	6	Other current liabilities	-	-
Interest rate derivatives	Other assets	140	169	Other long-term liabilities	-	-
Total		148	182		14	2
Derivatives not designated as hedging instruments:						
Foreign currency derivatives	Other current assets	17	8	Other current liabilities	12	8
Equity derivatives	Other assets	6	1	Other long-term liabilities	-	-
Total		23	9		12	8
Total		\$ 171	\$ 191		\$ 26	\$ 10

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NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)
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The following amounts were recorded on the Consolidated Balance Sheets related to cumulative basis adjustments for our fair value hedges (in millions):

Balance Sheet Line Item of Hedged Item	CARRYING AMOUNT OF THE HEDGED ASSETS/(LIABILITIES)		CUMULATIVE AMOUNT OF FAIR VALUE HEDGING ADJUSTMENT INCLUDED IN THE CARRYING AMOUNT OF THE HEDGED ASSETS/LIABILITIES	
	January 23, 2021	July 25, 2020	January 23, 2021	July 25, 2020
	Short-term debt	\$ (501)	\$ (506)	\$ (1)
Long-term debt	\$ (2,132)	\$ (2,159)	\$ (137)	\$ (165)

The effect of derivative instruments designated as fair value hedges, recognized in interest and other income (loss), net is summarized as follows (in millions):

	Three Months Ended		Six Months Ended	
	January 23, 2021	January 25, 2020	January 23, 2021	January 25, 2020
Interest rate derivatives:				
Hedged items	\$ 14	\$ 7	\$ 33	\$ (14)
Derivatives designated as hedging instruments	(14)	(6)	(34)	16
Total	\$ -	\$ 1	\$ (1)	\$ 2

The effect on the Consolidated Statements of Operations of derivative instruments not designated as hedges is summarized as follows (in millions):

Derivatives Not Designated as Hedging Instruments	Line Item in Statements of Operations	GAINS (LOSSES) FOR THE THREE MONTHS ENDED		GAINS (LOSSES) FOR THE SIX MONTHS ENDED	
		January 23, 2021	January 25, 2020	January 23, 2021	January 25, 2020
Foreign currency derivatives	Other income (loss), net	\$ 33	\$ (2)	\$ 47	\$ (9)
Total return swaps-deferred compensation	Operating expenses and other	76	41	99	41
Equity derivatives	Other income (loss), net	9	3	14	5
Total		\$ 118	\$ 42	\$ 160	\$ 37

The notional amounts of our outstanding derivatives are summarized as follows (in millions):

	January 23, 2021	July 25, 2020
Foreign currency derivatives	\$ 4,839	\$ 4,315
Interest rate derivatives	2,500	2,500
Total return swaps-deferred compensation	689	580
Total	\$ 8,028	\$ 7,395

CISCO SYSTEMS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)
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(b) Offsetting of Derivative Instruments

We present our derivative instruments at gross fair values in the Consolidated Balance Sheets. However, our master netting and other similar arrangements with the respective counterparties allow for net settlement under certain conditions, which are designed to reduce credit risk by permitting net settlement with the same counterparty. As of January 23, 2021 and July 25, 2020, the potential effects of these rights of set-off associated with the derivative contracts would be a reduction to both derivative assets and derivative liabilities of \$ 22 million and \$10 million, respectively.

To further limit credit risk, we also enter into collateral security arrangements related to certain derivative instruments whereby cash is posted as collateral between the counterparties based on the fair market value of the derivative instrument. Under these collateral security arrangements, the net cash collateral received as of January 23, 2021 and July 25, 2020 was \$141 million and \$173 million, respectively. Including the effects of collateral, this results in a net derivative asset of \$4 million and \$8 million as of January 23, 2021 and July 25, 2020, respectively.

(c) Foreign Currency Exchange Risk

We conduct business globally in numerous currencies. Therefore, we are exposed to adverse movements in foreign currency exchange rates. To limit the exposure related to foreign currency changes, we enter into foreign currency contracts. We do not enter into such contracts for speculative purposes.

We hedge forecasted foreign currency transactions related to certain revenues, operating expenses and service cost of sales with currency options and forward contracts. These currency options and forward contracts, designated as cash flow hedges, generally have maturities of less than 24 months. The derivative instrument's gain or loss is initially reported as a component of accumulated other comprehensive income ("AOCI") and subsequently reclassified into earnings when the hedged exposure affects earnings. During the periods presented, we did not discontinue any cash flow hedges for which it was probable that a forecasted transaction would not occur.

We enter into foreign exchange forward and option contracts to reduce the short-term effects of foreign currency fluctuations on assets and liabilities such as foreign currency receivables, including long-term customer financings and payables. These derivatives are not designated as hedging instruments. Gains and losses on the contracts are included in other income (loss), net, and substantially offset foreign exchange gains and losses from the remeasurement of intercompany balances, other current assets, or liabilities denominated in currencies other than the functional currency of the reporting entity.

We hedge certain net investments in our foreign operations with forward contracts to reduce the effects of foreign currency fluctuations on our net investment in those foreign subsidiaries. These derivative instruments generally have maturities of up to six months.

(d) Interest Rate Risk

Interest Rate Derivatives Designated as Fair Value Hedges, Long-Term Debt We hold interest rate swaps designated as fair value hedges related to fixed-rate senior notes that are due in fiscal 2021 through 2025. Under these interest rate swaps, we receive fixed-rate interest payments and make interest payments based on LIBOR plus a fixed number of basis points. The effect of such swaps is to convert the fixed interest rates of the senior fixed-rate notes to floating interest rates based on LIBOR. The gains and losses related to changes in the fair value of the interest rate swaps are included in interest expense and substantially offset changes in the fair value of the hedged portion of the underlying debt that are attributable to the changes in market interest rates.

(e) Equity Price Risk

We hold marketable equity securities in our portfolio that are subject to price risk. To diversify our overall portfolio, we also hold equity derivatives that are not designated as accounting hedges. The change in the fair value of each of these investment types are included in other income (loss), net.

We are also exposed to variability in compensation charges related to certain deferred compensation obligations to employees. Although not designated as accounting hedges, we utilize derivatives such as total return swaps to economically hedge this exposure and offset the related compensation expense.

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NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)
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14.
Commitments and Contingencies

(a)Purchase Commitments with Contract Manufacturers and Suppliers

We purchase components from a variety of suppliers and use several contract manufacturers to provide manufacturing services for our products. During the normal course of business, in order to manage manufacturing lead times and help ensure adequate component supply, we enter into agreements with contract manufacturers and suppliers that either allow them to procure inventory based upon criteria as defined by us or establish the parameters defining our requirements. A significant portion of our reported purchase commitments arising from these agreements consists of firm, noncancelable, and unconditional commitments. Certain of these purchase commitments with contract manufacturers and suppliers relate to arrangements to secure long-term pricing for certain product components for multi-year periods. In certain instances, these agreements allow us the option to cancel, reschedule, and adjust our requirements based on our business needs prior to firm orders being placed. As of January 23, 2021 and July 25, 2020, we had total purchase commitments for inventory of \$4.6 billion and \$4.4 billion, respectively.

We record a liability for firm, noncancelable, and unconditional purchase commitments for quantities in excess of our future demand forecasts consistent with the valuation of our excess and obsolete inventory. As of January 23, 2021 and July 25, 2020, the liability for these purchase commitments was \$152 million and \$141 million, respectively, and was included in other current liabilities. The provision for the liability related to purchase commitments with contract manufacturers and suppliers was \$ 44 million and \$67 million for the first six months of fiscal 2021 and 2020, respectively.

(b)Other Commitments

In connection with our acquisitions, we have agreed to pay certain additional amounts contingent upon the achievement of certain agreed-upon technology, development, product, or other milestones or upon the continued employment with Cisco of certain employees of the acquired entities.

The following table summarizes the compensation expense related to acquisitions (in millions):

	Three Months Ended		Six Months Ended	
	January 23, 2021	January 25, 2020	January 23, 2021	January 25, 2020
Compensation expense related to acquisitions	\$ 59	\$ 50	\$ 116	\$ 111

As of January 23, 2021, we estimated that future cash compensation expense of up to \$452 million may be required to be recognized pursuant to the applicable business combination agreements.

We also have certain funding commitments, primarily related to our non-marketable equity and other investments, some of which are based on the achievement of certain agreed-upon milestones, and some of which are required to be funded on demand. The funding commitments were \$0.3 billion as of each of January 23, 2021 and July 25, 2020.

(c)Product Warranties

The following table summarizes the activity related to the product warranty liability (in millions):

	Six Months Ended	
	January 23, 2021	January 25, 2020
Balance at beginning of period	\$ 331	\$ 342
Provisions for warranties issued	247	283
Adjustments for pre-existing warranties	4	(3)
Settlements	(249)	(291)
Balance at end of period	\$ 333	\$ 331

We accrue for warranty costs as part of our cost of sales based on associated material product costs, labor costs for technical support staff, and associated overhead. Our products are generally covered by a warranty for periods ranging from 90 days to five years, and for some products we provide a limited lifetime warranty.

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NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)
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(d) Financing and Other Guarantees

In the ordinary course of business, we provide financing guarantees for various third-party financing arrangements extended to channel partners and end-user customers. Payments under these financing guarantee arrangements were not material for the periods presented.

Channel Partner Financing Guarantees We facilitate arrangements for third-party financing extended to channel partners, consisting of revolving short-term financing, with payment terms generally ranging from 60 to 90 days. During fiscal 2020, we expanded the payment terms on certain of our channel partner financing programs by 30 days in response to the COVID-19 pandemic. These financing arrangements facilitate the working capital requirements of the channel partners, and, in some cases, we guarantee a portion of these arrangements. The volume of channel partner financing was \$6.7 billion and \$6.6 billion for the second quarter of fiscal 2021 and 2020, respectively, and was \$12.8 billion and \$14.2 billion for the first six months of fiscal 2021 and 2020, respectively. The balance of the channel partner financing subject to guarantees was \$1.3 billion and \$1.1 billion as of January 23, 2021 and July 25, 2020, respectively.

End-User Financing Guarantees We also provide financing guarantees for third-party financing arrangements extended to end-user customers related to leases and loans, which typically have terms of up to three years. The volume of financing provided by third parties for leases and loans as to which we had provided guarantees was \$3 million and \$1 million for the second quarter of fiscal 2021 and 2020, respectively, and was \$8 million and \$6 million for the first six months of fiscal 2021 and 2020, respectively.

Financing Guarantee Summary The aggregate amounts of financing guarantees outstanding at January 23, 2021 and July 25, 2020, representing the total maximum potential future payments under financing arrangements with third parties along with the related deferred revenue, are summarized in the following table (in millions):

	January 23, 2021	July 25, 2020
Maximum potential future payments relating to financing guarantees:		
Channel partner	\$ 205	\$ 198
End user	8	9
Total	<u>\$ 213</u>	<u>\$ 207</u>
Deferred revenue associated with financing guarantees:		
Channel partner	\$ (19)	\$ (19)
End user	(8)	(9)
Total	<u>\$ (27)</u>	<u>\$ (28)</u>
Total	<u>\$ 186</u>	<u>\$ 179</u>

(e) Indemnifications

In the normal course of business, we indemnify other parties, including customers, lessors, and parties to other transactions with us, with respect to certain matters. We have agreed to indemnify against losses arising from a breach of representations or covenants or out of intellectual property infringement or other claims made against certain parties. These agreements may limit the time within which an indemnification claim can be made and the amount of the claim.

Charter Communications, Inc. (“Charter”), which acquired Time Warner Cable (“TWC”) in May 2016, is seeking indemnification from us for a final judgment obtained by Sprint Communications Company, L.P. (“Sprint”) against TWC in federal court in Kansas. Sprint sought monetary damages, alleging that TWC infringed certain Sprint patents by offering VoIP telephone services utilizing products provided by us generally in combination with those of other manufacturers. Following a trial on March 3, 2017, a jury in Kansas found that TWC willfully infringed five Sprint patents and awarded Sprint \$139.8 million in damages. The Court awarded Sprint pre- and post-judgment interest of approximately \$10 million and denied TWC’s post-trial motions and appeals. Charter reported that it paid the judgment in full. We resolved Charter’s indemnity claim effective February 4, 2021 for an amount that does not have a material effect on our financial position.

We also have been asked to indemnify certain of our service provider customers that have been subject to patent infringement claims asserted by Chanbond, LLC (“Chanbond”) in the United States District Court for the District of Delaware on September 21, 2015. Chanbond alleges that 13 service provider companies, including among others, Comcast Corporation, Charter Communications, Inc. (“Charter”), Time Warner Cable, Inc. (subsequently acquired by Charter), Cox Communications, Inc. (“Cox”), and Cablevision Systems Corporation, infringe three patents by providing high speed cable internet services to their customers utilizing cable modems and cable modem termination systems, consistent with the DOCSIS 3.0 standard, provided

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NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)
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by us and other manufacturers generally used in combination with each other. Chanbond seeks monetary damages and injunctive relief against the service provider customers, although two of the asserted patents expire on June 19, 2021, and the third expires on September 17, 2021. On October 13, 2020, the Court set Chanbond's case against Cox for trial on May 17, 2021. The other cases against the remaining service provider defendants have not yet been set for trial. We believe that the service provider defendants have strong non-infringement, invalidity and other defenses and that Chanbond will not be able to meet its burden required for injunctive relief. Due to uncertainties surrounding the litigation processes, we are unable to reasonably estimate the ultimate outcome of the cases at this time, but should Chanbond prevail in its cases against the service provider defendants, we do not believe that any potential indemnity liability would be material.

In addition, we have entered into indemnification agreements with our officers and directors, and our Amended and Restated Bylaws contain similar indemnification obligations to our agents.

It is not possible to determine the maximum potential amount under these indemnification agreements due to uncertainties in the litigation process, coordination with other suppliers and the defendants in these cases, and the unique facts and circumstances involved in each particular agreement. Historically, payments made by us under these agreements have not had a material effect on our operating results, financial position, or cash flows.

(f) Legal Proceedings

Brazil Brazilian authorities have investigated our Brazilian subsidiary and certain of its former employees, as well as a Brazilian importer of our products, and its affiliates and employees, relating to alleged evasion of import taxes and alleged improper transactions involving the subsidiary and the importer. Brazilian tax authorities have assessed claims against our Brazilian subsidiary based on a theory of joint liability with the Brazilian importer for import taxes, interest, and penalties. In addition to claims asserted by the Brazilian federal tax authorities in prior fiscal years, tax authorities from the Brazilian state of Sao Paulo have asserted similar claims on the same legal basis in prior fiscal years. The asserted claims by Brazilian federal tax authorities are for calendar years 2003 through 2007, and the asserted claims by the tax authorities from the state of Sao Paulo are for calendar years 2005 through 2007. The total asserted claims by Brazilian state and federal tax authorities aggregate to \$148 million for the alleged evasion of import and other taxes, \$728 million for interest, and \$366 million for various penalties, all determined using an exchange rate as of January 23, 2021.

We have completed a thorough review of the matters and believe the asserted claims against our Brazilian subsidiary are without merit, and we are defending the claims vigorously. While we believe there is no legal basis for the alleged liability, due to the complexities and uncertainty surrounding the judicial process in Brazil and the nature of the claims asserting joint liability with the importer, we are unable to determine the likelihood of an unfavorable outcome against our Brazilian subsidiary and are unable to reasonably estimate a range of loss, if any. We do not expect a final judicial determination for several years.

China The Company is investigating allegations of a self-enrichment scheme involving now-former employees in China. Some of those employees are also alleged to have made or directed payments from the funds they received to various third parties, including employees of state-owned enterprises. The Company voluntarily disclosed this investigation to the Department of Justice ("DOJ") and Securities and Exchange Commission ("SEC"). We take such allegations very seriously and we are providing results of our investigation to the DOJ and SEC. While the outcome of our investigation is currently not determinable, we do not expect that it will have a material adverse effect on our consolidated financial position, results of operations, or cash flows.

SRI International On September 4, 2013, SRI International, Inc. ("SRI") asserted patent infringement claims against us in the U.S. District Court for the District of Delaware, accusing our products and services in the area of network intrusion detection of infringing two U.S. patents. SRI sought monetary damages of at least a reasonable royalty and enhanced damages. The trial started on May 2, 2016, and, on May 12, 2016, the jury returned a verdict finding willful infringement. The jury awarded SRI damages of \$23.7 million. On May 25, 2017, the District Court awarded SRI enhanced damages and attorneys' fees, entered judgment in the new amount of \$57.0 million, and ordered an ongoing royalty of 3.5% through the expiration of the patents in 2018. We appealed to the United States Court of Appeals for the Federal Circuit on various grounds, and after various proceedings, on July 12, 2019, the Federal Circuit vacated the enhanced damages award; vacated and remanded in part the willful infringement finding; vacated and remanded the attorneys' fees award for further proceedings; and affirmed the District Court's other findings. On April 1, 2020, the District Court issued a final judgment on the remanded issues, finding no evidence of willful infringement and reinstating the \$8 million award of attorneys' fees. SRI appealed the judgment of no willful infringement to the Federal Circuit on April 3, 2020, and Cisco filed a cross-appeal on the attorneys' fees award on April 9, 2020. Cisco has paid SRI \$28.1 million, representing the portion of the judgment that the Federal Circuit previously affirmed, plus interest and royalties on post-verdict sales. While the remaining proceedings may result in an additional loss, we do not expect it to be material.

CISCO SYSTEMS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)
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Centripetal On February 13, 2018, Centripetal Networks, Inc. (“Centripetal”) asserted patent infringement claims against us in the U.S. District Court for the Eastern District of Virginia, alleging that several Cisco products and services (including Cisco’s Catalyst switches, ASR and ISR series routers, ASAs with FirePOWER services, and Stealthwatch products) infringe eleven Centripetal patents. Cisco thereafter petitioned the Patent Trial and Appeal Board (“PTAB”) of the United States Patent and Trademark Office to review the validity of nine of the asserted patents. The PTAB instituted *inter partes* review proceedings (“IPR Proceedings”) on six asserted patents and certain claims of another asserted patent. The PTAB has issued Final Written Decisions for seven patents in the instituted IPR Proceedings, and all claims of five patents have been found unpatentable and several of the claims of the other two patents have been found unpatentable. Centripetal has appealed the PTAB’s findings of unpatentability to the United States Court of Appeals for the Federal Circuit. Starting on May 6, 2020 and concluding on June 25, 2020, the District Court conducted a bench trial by videoconference on the claims in the five patents not subject to the IPR Proceedings, including claims in three for which the PTAB declined to institute IPR Proceedings. Centripetal sought damages, enhanced damages for willful infringement, and broad injunctive relief. On October 5, 2020, the District Court issued a judgment finding validity and willful infringement of four of the asserted patents and non-infringement of the fifth patent. The Court awarded Centripetal \$1.9 billion, comprised of \$755.8 million in damages, \$1.1 billion in enhanced damages for willful infringement, and pre-judgment interest in the amount of \$13.7 million. The Court declined to issue an injunction but, instead, awarded Centripetal a running royalty against revenue from the products found to infringe for an initial three-year term at a rate of 10%, with a minimum annual royalty of \$167.7 million and a maximum annual royalty of \$300.1 million, and for a second three-year term at a rate of 5%, with a minimum annual royalty of \$83.9 million and a maximum annual royalty of \$150.0 million. We believe that the District Court’s findings of validity, infringement, and willful infringement, its award of damages, including enhanced damages, and its award of an ongoing royalty are not supported by either the law or the evidence presented at trial. We intend to appeal the District Court’s judgment when it becomes final as to the four patents found valid and infringed to the United States Court of Appeals for the Federal Circuit, and we believe that any relief ultimately awarded would not be material. On October 28, 2020, by agreement of the parties, the District Court stayed execution of the judgment until after resolution of any appeal in the matter and waived the requirement of any bond or security; accordingly, no money is currently due under the judgment. On April 29, 2020 and April 30, 2020, Centripetal submitted complaints in the District Court of Dusseldorf in Germany against Cisco Systems GmbH and Cisco Systems, Inc., asserting three European patents seeking both injunctive relief and damages. Two of the three European patents are counterparts to two U.S. patents Centripetal asserted against us in the U.S. District Court proceedings, one of which has been invalidated by the PTAB. We believe we have strong defenses. Due to uncertainty surrounding patent litigation processes in the U.S. and Europe, however, we are unable to reasonably estimate the ultimate outcome of the cases at this time.

Finjan On January 6, 2017, Finjan, Inc. (“Finjan”) asserted patent infringement claims against us in the U.S. District Court for the Northern District of California, originally seeking injunctive relief and damages, including enhanced damages for allegations of willful infringement. Finjan alleges that Cisco’s AMP and ThreatGrid products and the URL rewrite feature of Cisco’s ESA Outbreak Filter product infringe five patents, four of which have now expired such that no injunctive relief is available on those patents. Finjan has conceded that they are not entitled to any pre-suit damages, accordingly it seeks approximately three weeks of damages for the alleged infringement of the 8,677,494 and 6,154,844 patents, approximately ten months of damages for the 6,804,780 patent, approximately three years of damages for the 7,647,633 patent, and approximately three-and-a-half years of past damages for the 8,141,154 patent and an ongoing royalty (instead of injunctive relief) until its expiration on December 12, 2025. The case is currently set for jury trial starting June 4, 2021. While we believe that we have strong non-infringement arguments, that the patents are invalid, that Finjan’s damages theories are not supported by prevailing law and that Finjan will not be able to meet its burden required for injunctive relief, we are unable to reasonably estimate the ultimate outcome of this litigation at this time due to uncertainties in the litigation processes. If we do not prevail in the District Court, we believe that any damages ultimately assessed would not be material.

Ramot On June 12, 2019, Ramot at Tel Aviv University Ltd. (“Ramot”) asserted patent infringement claims against us in the U.S. District Court for the Eastern District of Texas, seeking damages, including enhanced damages for allegations of willful infringement, and a running royalty on future sales. Ramot alleges that certain Cisco optical transceiver modules and line cards infringe three U.S. patents. As of November 27, 2020, the U.S. Patent & Trademark Office preliminarily found all asserted claims unpatentable in ex parte reexamination proceedings. On January 13, 2021, the Court entered an order staying the case pending the conclusion of the ex parte reexamination proceedings. While we believe that we have strong non-infringement and invalidity arguments, and that Ramot’s damages theories are not supported by prevailing law, we are unable to reasonably estimate the ultimate outcome of this litigation at this time due to uncertainties in the litigation processes. If we do not prevail in the District Court, we believe that any damages ultimately assessed would not be material.

In addition, we are subject to legal proceedings, claims, and litigation arising in the ordinary course of business, including intellectual property litigation. While the outcome of these matters is currently not determinable, we do not expect that the ultimate costs to resolve these matters will have a material adverse effect on our consolidated financial position, results of

CISCO SYSTEMS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)
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operations, or cash flows. For additional information regarding intellectual property litigation, see “Part II, Item 1A. Risk Factors-We may be found to infringe on intellectual property rights of others” herein.

15.**Shareholders’ Equity****(a) Cash Dividends on Shares of Common Stock**

We declared and paid cash dividends of \$ 0.36 and \$0.35 per common share, or \$1.5 billion, on our outstanding common stock for each of the second quarters of fiscal 2021 and 2020. We declared and paid cash dividends of \$0.72 and \$0.70 per common share, or \$3.0 billion, on our outstanding common stock for each of the first six months of fiscal 2021 and 2020.

On February 9, 2021, our Board of Directors declared a quarterly dividend of \$0.37 per common share to be paid on April 28, 2021 to all stockholders of record as of the close of business on April 6, 2021. Any future dividends will be subject to the approval of our Board of Directors.

(b) Stock Repurchase Program

In September 2001, our Board of Directors authorized a stock repurchase program. As of January 23, 2021, the remaining authorized amount for stock repurchases under this program was approximately \$9.2 billion with no termination date.

A summary of the stock repurchase activity for fiscal 2021 and 2020 under the stock repurchase program, reported based on the trade date, is summarized as follows (in millions, except per-share amounts):

<u>Quarter Ended</u>	<u>Shares</u>	<u>Weighted-Average Price per Share</u>	<u>Amount</u>
Fiscal 2021			
January 23, 2021	19	\$ 42.82	\$ 801
October 24, 2020	20	\$ 40.44	\$ 800
Fiscal 2020			
July 25, 2020	-	\$ -	\$ -
April 25, 2020	25	\$ 39.71	\$ 981
January 25, 2020	18	\$ 46.71	\$ 870
October 26, 2019	16	\$ 48.91	\$ 768

There were \$32 million stock repurchases that were pending settlement as of January 23, 2021. There were no stock repurchases that were pending settlement as of July 25, 2020.

The purchase price for the shares of our stock repurchased is reflected as a reduction to shareholders’ equity. We are required to allocate the purchase price of the repurchased shares as (i) a reduction to retained earnings or an increase to accumulated deficit and (ii) a reduction of common stock and additional paid-in capital.

(c) Preferred Stock

Under the terms of our Articles of Incorporation, the Board of Directors may determine the rights, preferences, and terms of our authorized but unissued shares of preferred stock.

CISCO SYSTEMS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)
(Unaudited)

16.

Employee Benefit Plans

(a) Employee Stock Incentive Plans

Stock Incentive Plan Program Description As of January 23, 2021, we had one stock incentive plan: the 2005 Stock Incentive Plan (the “2005 Plan”). In addition, we have, in connection with our acquisitions of various companies, assumed the share-based awards granted under stock incentive plans of the acquired companies or issued share-based awards in replacement thereof. Share-based awards are designed to reward employees for their long-term contributions to us and provide incentives for them to remain with Cisco. The number and frequency of share-based awards are based on competitive practices, operating results of Cisco, government regulations, and other factors. Our primary stock incentive plan is summarized as follows:

2005 Plan The 2005 Plan provides for the granting of stock options, stock grants, stock units and stock appreciation rights (SARs), the vesting of which may be time-based or upon satisfaction of performance goals, or both, and/or other conditions. Employees (including employee directors and executive officers) and consultants of Cisco and its subsidiaries and affiliates and non-employee directors of Cisco are eligible to participate in the 2005 Plan. On December 10, 2020, the 2005 Plan was amended to extend the term for nine years, and increase the number of shares authorized for issuance by approximately 96 million, among other items. As of January 23, 2021, the maximum number of shares issuable under the 2005 Plan over its term was increased to 790 million shares. The 2005 Plan may be terminated by the Board of Directors at any time and for any reason, and is currently set to terminate at the 2030 Annual Meeting unless re-adopted or extended by the shareholders prior to or on such date.

Under the 2005 Plan’s share reserve feature, a distinction is made between the number of shares in the reserve attributable to (i) stock options and SARs and (ii) “full value” awards (i.e., stock grants and stock units). Shares issued as stock grants, pursuant to stock units or pursuant to the settlement of dividend equivalents are counted against shares available for issuance under the 2005 Plan on a 1.5-to-1 ratio. For each share awarded as restricted stock or a restricted stock unit award under the 2005 Plan, 1.5 shares was deducted from the available share-based award balance. If awards issued under the 2005 Plan are forfeited or terminated for any reason before being exercised or settled, then the shares underlying such awards, plus the number of additional shares, if any, that counted against shares available for issuance under the 2005 Plan at the time of grant as a result of the application of the share ratio described above, will become available again for issuance under the 2005 Plan. As of January 23, 2021, 253 million shares were authorized for future grant under the 2005 Plan.

(b) Employee Stock Purchase Plan

We have an Employee Stock Purchase Plan under which 721 million shares of our common stock have been reserved for issuance as of January 23, 2021. Eligible employees are offered shares through a 24-month offering period, which consists of four consecutive 6-month purchase periods. Employees may purchase a limited amount of shares of our stock at a discount of up to 15% of the lesser of the fair market value at the beginning of the offering period or the end of each 6-month purchase period. The Employee Stock Purchase Plan is scheduled to terminate on the earlier of (i) January 3, 2030 and (ii) the date on which all shares available for issuance under the Employee Stock Purchase Plan are sold pursuant to exercised purchase rights. Under the Employee Stock Purchase Plan, we issued 8 million shares during the second quarter and first six months of fiscal 2021 and 9 million shares during the corresponding periods of fiscal 2020. As of January 23, 2021, 133 million shares were available for issuance under the Employee Stock Purchase Plan.

CISCO SYSTEMS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)
(Unaudited)

(c) Summary of Share-Based Compensation Expense

Share-based compensation expense consists primarily of expenses for stock options, stock purchase rights, restricted stock, and RSUs granted to employees.

The following table summarizes share-based compensation expense (in millions):

	Three Months Ended		Six Months Ended	
	January 23, 2021	January 25, 2020	January 23, 2021	January 25, 2020
Cost of sales-product	\$ 25	\$ 23	\$ 49	\$ 46
Cost of sales-service	43	36	84	70
Share-based compensation expense in cost of sales	68	59	133	116
Research and development	171	146	338	292
Sales and marketing	128	119	262	246
General and administrative	59	55	120	115
Restructuring and other charges	10	5	21	13
Share-based compensation expense in operating expenses	368	325	741	666
Total share-based compensation expense	\$ 436	\$ 384	\$ 874	\$ 782
Income tax benefit for share-based compensation	\$ 95	\$ 109	\$ 176	\$ 240

As of January 23, 2021, the total compensation cost related to unvested share-based awards not yet recognized was \$4.0 billion which is expected to be recognized over approximately 2.7 years on a weighted-average basis.

(d) Restricted Stock and Stock Unit Awards

A summary of the restricted stock and stock unit activity, which includes time-based and performance-based or market-based RSUs, is as follows (in millions, except per-share amounts):

	Restricted Stock/ Stock Units	Weighted-Average Grant Date Fair Value per Share	Aggregate Fair Value
Unvested balance at July 27, 2019	100	\$ 38.66	
Granted and assumed	49	42.61	
Vested	(44)	35.20	\$ 2,045
Canceled/forfeited/other	(9)	40.45	
Unvested balance at July 25, 2020	96	42.03	
Granted and assumed	33	37.90	
Vested	(21)	39.05	\$ 908
Canceled/forfeited/other	(9)	41.63	
Unvested balance at January 23, 2021	99	\$ 41.35	

CISCO SYSTEMS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)
(Unaudited)

17.

Comprehensive Income (Loss)

The components of AOCI, net of tax, and the other comprehensive income (loss), for the first six months of fiscal 2021 and 2020 are summarized as follows (in millions):

	Net Unrealized Gains (Losses) on Available-for-Sale Investments	Net Unrealized Gains (Losses) Cash Flow Hedging Instruments	Cumulative Translation Adjustment and Actuarial Gains (Losses)	Accumulated Other Comprehensive Income (Loss)
Balance at July 25, 2020	\$ 315	\$ (6)	\$ (828)	\$ (519)
Other comprehensive income (loss) before reclassifications	(35)	(5)	345	305
(Gains) losses reclassified out of AOCI	(24)	(5)	2	(27)
Tax benefit (expense)	24	2	(3)	23
Balance at January 23, 2021	<u>\$ 280</u>	<u>\$ (14)</u>	<u>\$ (484)</u>	<u>\$ (218)</u>
	Net Unrealized Gains (Losses) on Available-for-Sale Investments	Net Unrealized Gains (Losses) Cash Flow Hedging Instruments	Cumulative Translation Adjustment and Actuarial Gains (Losses)	Accumulated Other Comprehensive Income (Loss)
Balance at July 27, 2019	\$ -	\$ (14)	\$ (778)	\$ (792)
Other comprehensive income (loss) before reclassifications	168	-	(42)	126
(Gains) losses reclassified out of AOCI	(21)	2	2	(17)
Tax benefit (expense)	(17)	1	(1)	(17)
Balance at January 25, 2020	<u>\$ 130</u>	<u>\$ (11)</u>	<u>\$ (819)</u>	<u>\$ (700)</u>

18.

Income Taxes

The following table provides details of income taxes (in millions, except percentages):

	Three Months Ended		Six Months Ended	
	January 23, 2021	January 25, 2020	January 23, 2021	January 25, 2020
Income before provision for income taxes	\$ 3,255	\$ 3,534	\$ 5,936	\$ 7,220
Provision for income taxes	\$ 710	\$ 656	\$ 1,217	\$ 1,416
Effective tax rate	21.8%	18.6%	20.5%	19.6%

As of January 23, 2021, we had \$

2.5 billion of unrecognized tax benefits, of which \$2.1 billion, if recognized, would favorably impact the effective tax rate. We regularly engage in discussions and negotiations with tax authorities regarding tax matters in various jurisdictions. We believe it is reasonably possible that certain federal, foreign and state tax matters may be concluded in the next 12 months. Specific positions that may be resolved include issues involving transfer pricing and various other matters.

CISCO SYSTEMS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)
(Unaudited)

19.**Segment Information and Major Customers****(a) Revenue and Gross Margin by Segment**

We conduct business globally and are primarily managed on a geographic basis consisting of three segments: the Americas, EMEA, and APJC. Our management makes financial decisions and allocates resources based on the information it receives from our internal management system. Sales are attributed to a segment based on the ordering location of the customer. We do not allocate research and development, sales and marketing, or general and administrative expenses to our segments in this internal management system because management does not include the information in our measurement of the performance of the operating segments. In addition, we do not allocate amortization and impairment of acquisition-related intangible assets, share-based compensation expense, significant litigation settlements and other contingencies, charges related to asset impairments and restructurings, and certain other charges to the gross margin for each segment because management does not include this information in our measurement of the performance of the operating segments.

Summarized financial information by segment for the second quarter and first six months of fiscal 2021 and 2020, based on our internal management system and as utilized by our Chief Operating Decision Maker (“CODM”), is as follows (in millions):

	Three Months Ended		Six Months Ended	
	January 23, 2021	January 25, 2020	January 23, 2021	January 25, 2020
Revenue:				
Americas	\$ 6,969	\$ 7,013	\$ 14,168	\$ 14,990
EMEA	3,207	3,134	6,171	6,417
APJC	1,784	1,859	3,551	3,758
Total	\$ 11,960	\$ 12,005	\$ 23,889	\$ 25,164
Gross margin:				
Americas	\$ 4,705	\$ 4,692	\$ 9,552	\$ 10,008
EMEA	2,145	2,062	4,038	4,229
APJC	1,155	1,219	2,268	2,413
Segment total	8,005	7,974	15,858	16,650
Unallocated corporate items	(221)	(210)	(493)	(422)
Total	\$ 7,784	\$ 7,764	\$ 15,365	\$ 16,228

Amounts may not sum and percentages may not recalculate due to rounding.

Revenue in the United States was \$6.2 billion for each of the second quarters of fiscal 2021 and 2020 and \$12.7 billion and \$13.3 billion for the first six months of fiscal 2021 and 2020, respectively.

CISCO SYSTEMS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (Continued)
(Unaudited)

(b) Revenue for Groups of Similar Products and Services

We design, manufacture, and sell Internet Protocol (IP)-based networking and other products related to the communications and IT industry and provide services associated with these products and their use.

The following table presents revenue for groups of similar products and services (in millions):

	Three Months Ended		Six Months Ended	
	January 23, 2021	January 25, 2020	January 23, 2021	January 25, 2020
Revenue:				
Infrastructure Platforms	\$ 6,391	\$ 6,567	\$ 12,732	\$ 14,120
Applications	1,354	1,349	2,734	2,847
Security	822	749	1,684	1,565
Other Products	4	7	9	17
Total Product	8,572	8,671	17,159	18,549
Services	3,388	3,334	6,730	6,615
Total	\$ 11,960	\$ 12,005	\$ 23,889	\$ 25,164

Amounts may not sum due to rounding. We have made certain reclassifications to the product revenue amounts for prior period to conform to the current year presentation.

20.

Net Income per Share

The following table presents the calculation of basic and diluted net income per share (in millions, except per-share amounts):

	Three Months Ended		Six Months Ended	
	January 23, 2021	January 25, 2020	January 23, 2021	January 25, 2020
Net income	\$ 2,545	\$ 2,878	\$ 4,719	\$ 5,804
Weighted-average shares-basic	4,223	4,242	4,227	4,244
Effect of dilutive potential common shares	11	18	12	21
Weighted-average shares-diluted	4,234	4,260	4,239	4,265
Net income per share-basic	\$ 0.60	\$ 0.68	\$ 1.12	\$ 1.37
Net income per share-diluted	\$ 0.60	\$ 0.68	\$ 1.11	\$ 1.36
Antidilutive employee share-based awards, excluded	49	29	56	32

Employee equity share options, unvested shares, and similar equity instruments granted and assumed by Cisco are treated as potential common shares outstanding in computing diluted earnings per share. Diluted shares outstanding include the dilutive effect of in-the-money options, unvested restricted stock, and restricted stock units. The dilutive effect of such equity awards is calculated based on the average share price for each fiscal period using the treasury stock method. Under the treasury stock method, the amount the employee must pay for exercising stock options and the amount of compensation cost for future service that has not yet been recognized are collectively assumed to be used to repurchase shares.

Item 2. Management’s Discussion and Analysis of Financial Condition and Results of Operations

Forward-Looking Statements

This Quarterly Report on Form 10-Q, including this Management’s Discussion and Analysis of Financial Condition and Results of Operations, contains forward-looking statements regarding future events and our future results that are subject to the safe harbors created under the Securities Act of 1933 (the “Securities Act”) and the Securities Exchange Act of 1934 (the “Exchange Act”). All statements other than statements of historical facts are statements that could be deemed forward-looking statements. These statements are based on current expectations, estimates, forecasts, and projections about the industries in which we operate and the beliefs and assumptions of our management. Words such as “expects,” “anticipates,” “targets,” “goals,” “projects,” “intends,” “plans,” “believes,” “momentum,” “seeks,” “estimates,” “continues,” “endeavors,” “strives,” “may,” variations of such words, and similar expressions are intended to identify such forward-looking statements. In addition, any statements that refer to projections of our future financial performance, our anticipated growth and trends in our businesses, future responses to and effects of the COVID-19 pandemic, and other characterizations of future events or circumstances are forward-looking statements. Readers are cautioned that these forward-looking statements are only predictions and are subject to risks, uncertainties, and assumptions that are difficult to predict, including those under “Part II, Item 1A. Risk Factors,” and elsewhere herein. Therefore, actual results may differ materially and adversely from those expressed in any forward-looking statements. We undertake no obligation to revise or update any forward-looking statements for any reason.

OVERVIEW

Cisco designs and sells a broad range of technologies that have been powering the Internet since 1984. We are integrating intent-based technologies across networking, security, collaboration, applications and the cloud. These technologies are designed to help our customers manage more users, devices and things connecting to their networks. This will enable us to provide customers with a highly secure, intelligent platform for their digital business.

A summary of our results is as follows (in millions, except percentages and per-share amounts):

	Three Months Ended			Six Months Ended		
	January 23, 2021	January 25, 2020	% Variance	January 23, 2021	January 25, 2020	% Variance
Revenue	\$ 11,960	\$ 12,005	-%	\$ 23,889	\$ 25,164	(5)%
Gross margin percentage	65.1%	64.7%	0.4 pts	64.3%	64.5%	(0.2) pts
Research and development	\$ 1,527	\$ 1,570	(3)%	\$ 3,139	\$ 3,236	(3)%
Sales and marketing	\$ 2,277	\$ 2,279	-%	\$ 4,494	\$ 4,759	(6)%
General and administrative	\$ 484	\$ 455	6%	\$ 1,028	\$ 974	6%
Total research and development, sales and marketing, general and administrative	\$ 4,288	\$ 4,304	-%	\$ 8,661	\$ 8,969	(3)%
Total as a percentage of revenue	35.9%	35.9%	- pts	36.3%	35.6%	0.7 pts
Amortization of purchased intangible assets included in operating expenses	\$ 39	\$ 38	3%	\$ 75	\$ 74	1%
Restructuring and other charges included in operating expenses	\$ 234	\$ 42	457%	\$ 836	\$ 226	270%
Operating income as a percentage of revenue	26.9%	28.2%	(1.3) pts	24.2%	27.7%	(3.5) pts
Interest and other income (loss), net	\$ 32	\$ 154	(79)%	\$ 143	\$ 261	(45)%
Income tax percentage	21.8%	18.6%	3.2 pts	20.5%	19.6%	0.9 pts
Net income	\$ 2,545	\$ 2,878	(12)%	\$ 4,719	\$ 5,804	(19)%
Net income as a percentage of revenue	21.3%	24.0%	(2.7) pts	19.8%	23.1%	(3.3) pts
Earnings per share-diluted	\$ 0.60	\$ 0.68	(12)%	\$ 1.11	\$ 1.36	(18)%

CISCO SYSTEMS, INC.
MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS (Continued)

Three Months Ended January 23, 2021 Compared with Three Months Ended January 25, 2020

In the second quarter of fiscal 2021, we saw improving business momentum and delivered strong total gross margin in a challenging environment with the COVID-19 pandemic. As customers have accelerated their digitization and cloud investments in the wake of the pandemic, we have been focusing on executing and innovating to support and assist that transition. Total revenue was flat compared with the second quarter of fiscal 2020. Our product revenue declined in Infrastructure Platforms partially offset by growth in Security, and we continued to make progress in the transition of our business model to increased software and subscriptions. We remain focused on accelerating innovation across our portfolio, and we believe that we have made continued progress on our strategic priorities. We continue to operate in a challenging macroeconomic and highly competitive environment. While the overall environment remains uncertain, we continue to aggressively invest in priority areas with the objective of driving profitable growth over the long term.

Within total revenue, product revenue decreased by 1% and service revenue increased by 2%. Total gross margin increased by 0.4 percentage points, driven by favorable product mix and to a lesser extent, productivity improvements, partially offset by pricing erosion. As a percentage of revenue, research and development, sales and marketing, and general and administrative expenses, collectively, was flat. Operating income as a percentage of revenue decreased by 1.3 percentage points. We incurred restructuring and other charges of \$234 million in the second quarter of fiscal 2021, which resulted in a decrease of 12% in net income and a decrease of 12% in diluted earnings per share.

In terms of our geographic segments, revenue from the Americas decreased \$44 million, EMEA revenue increased by \$73 million and APJC revenue decreased by \$75 million. We continue to experience continuing weakness in emerging countries, and we expect ongoing uncertainty in this market. The "BRICM" countries experienced a product revenue decline of 13% in the aggregate, driven by decreased product revenue across each of the BRICM countries.

From a customer market standpoint, we experienced product revenue declines in the enterprise, service provider and commercial markets, partially offset by product revenue growth in the public sector market. We are seeing improvement in business momentum in the service provider, public sector and commercial markets.

From a product category perspective, the product revenue decrease of 1% was driven by declines in revenue in Infrastructure Platforms of 3%, partially offset by a product revenue increase in Security of 10%. Applications was flat.

CISCO SYSTEMS, INC.
MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS (Continued)

Six Months Ended January 23, 2021 Compared with Six Months Ended January 25, 2020

Total revenue decreased 5%, with product revenue decreasing 7% and service revenue increasing 2%. Total gross margin decreased by 0.2 percentage points due to pricing erosion, and to a lesser extent, lower productivity benefits, partially offset by favorable impacts from product mix. As a percentage of revenue, research and development, sales and marketing, and general and administrative expenses collectively increased by 0.7 percentage points. Operating income as a percentage of revenue decreased by 3.5 percentage points. We incurred restructuring and other charges of \$836 million in the first six months of fiscal 2021, which resulted in a decrease of 19% in net income and a decrease of 18% in diluted earnings per share.

COVID-19 Pandemic Response Summary

During this extraordinary time, our priority has been supporting our employees, customers, partners and communities, while positioning Cisco for the future. The pandemic has driven organizations across the globe to digitize their operations and support remote workforces at a faster speed and greater scale than ever before. We remain focused on providing the technology and solutions our customers need to accelerate their digital organizations. The actions we have taken and are taking include:

Employees

- Most of our global workforce working from home.
- Seamless transition to work from home with a long-standing flexible work policy, and we build the technologies that allow organizations to stay connected, secure and productive.
- For the remainder who must be in the office to perform their roles, we are focused on their health and safety, and are taking all of the necessary precautions.

Customer and Partners

- Provided a variety of free offers and trials for our Webex and security technologies as they dramatically shifted entire workforces to be remote.

Communities

- Committed significant funds to support both global and local pandemic response efforts.
- Provided technology and financial support for non-profits, first responders, and governments.
- Donated personal protective equipment to hospital workers including N95 masks and face shields 3D-printed by Cisco volunteers around the world.

CISCO SYSTEMS, INC.
MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS (Continued)

Strategy and Priorities

As our customers add billions of new connections to their enterprises, and as more applications move to a multicloud environment, the network becomes even more critical. Our customers are navigating change at an unprecedented pace and our mission is to inspire new possibilities for them by helping transform their infrastructure, expand applications and analytics, address their security needs, and empower their teams. We believe that our customers are looking for intent-based networks that provide meaningful business value through automation, security, and analytics across private, hybrid, and multicloud environments. Our vision is to deliver highly secure, software-defined, automated and intelligent platforms for our customers.

For additional discussion of our strategy and priorities, see Item 1. Business in our Annual Report on Form 10-K for the year ended July 25, 2020.

Other Key Financial Measures

The following is a summary of our other key financial measures for the second quarter of fiscal 2021 (in millions):

	January 23, 2021	July 25, 2020
Cash and cash equivalents and investments	\$ 30,588	\$ 29,419
Deferred revenue	\$ 20,846	\$ 20,446
Inventories	\$ 1,436	\$ 1,282

	Six Months Ended	
	January 23, 2021	January 25, 2020
Cash provided by operating activities	\$ 7,070	\$ 7,387
Repurchases of common stock-stock repurchase program	\$ 1,601	\$ 1,638
Dividends paid	\$ 3,041	\$ 2,972

CRITICAL ACCOUNTING ESTIMATES

The preparation of financial statements and related disclosures in conformity with accounting principles generally accepted in the United States requires us to make judgments, assumptions, and estimates that affect the amounts reported in the Consolidated Financial Statements and accompanying notes. Note 2 to the Consolidated Financial Statements in our Annual Report on Form 10-K for the year ended July 25, 2020, as updated as applicable in Note 2 to the Consolidated Financial Statements herein, describes the significant accounting policies and methods used in the preparation of the Consolidated Financial Statements. The accounting policies described below are significantly affected by critical accounting estimates. Such accounting policies require significant judgments, assumptions, and estimates used in the preparation of the Consolidated Financial Statements, and actual results could differ materially from the amounts reported based on these policies.

The inputs into certain of our judgments, assumptions, and estimates considered the economic implications of the COVID-19 pandemic on our critical and significant accounting estimates. The COVID-19 pandemic did not have a material impact on our significant judgments, assumptions and estimates that are reflected in our results for the second quarter and first six months of fiscal 2021. These estimates are listed in our Annual Report on Form 10-K for the year ending July 25, 2020, and include: goodwill and identified purchased intangible assets and income taxes, among other items. The actual results that we experience may differ materially from our estimates. As the COVID-19 pandemic continues to develop, many of our estimates could require increased judgment and carry a higher degree of variability and volatility. As events continue to evolve our estimates may change materially in future periods.

Revenue Recognition

We enter into contracts with customers that can include various combinations of products and services which are generally distinct and accounted for as separate performance obligations. As a result, our contracts may contain multiple performance obligations. We determine whether arrangements are distinct based on whether the customer can benefit from the product or service on its own or together with other resources that are readily available and whether our commitment to transfer the product or service to the customer is separately identifiable from other obligations in the contract. We classify our hardware, perpetual software licenses, and SaaS as distinct performance obligations. Term software licenses represent multiple obligations, which include software licenses and software maintenance. In transactions where we deliver hardware or software, we are typically the principal and we record revenue and costs of goods sold on a gross basis.

We recognize revenue upon transfer of control of promised goods or services in a contract with a customer in an amount that reflects the consideration we expect to receive in exchange for those products or services. Transfer of control occurs once the customer has the contractual right to use the product, generally upon shipment or once title and risk of loss has transferred to the customer. Transfer of control can also occur over time for software maintenance and services as the customer receives the benefit over the contract term. Our hardware and perpetual software licenses are distinct performance obligations where revenue is recognized upfront upon transfer of control. Term software licenses include multiple performance obligations where the term licenses are recognized upfront upon transfer of control, with the associated software maintenance revenue recognized ratably over the contract term as services and software updates are provided. SaaS arrangements do not include the right for the customer to take possession of the software during the term, and therefore have one distinct performance obligation which is satisfied over time with revenue recognized ratably over the contract term as the customer consumes the services. On our product sales, we record consideration from shipping and handling on a gross basis within net product sales. We record our revenue net of any associated sales taxes.

Revenue is allocated among these performance obligations in a manner that reflects the consideration that we expect to be entitled to for the promised goods or services based on standalone selling prices (SSP). SSP is estimated for each distinct performance obligation and judgment may be required in their determination. The best evidence of SSP is the observable price of a product or service when we sell the goods separately in similar circumstances and to similar customers. In instances where SSP is not directly observable, we determine SSP using information that may include market conditions and other observable inputs.

We apply judgment in determining the transaction price as we may be required to estimate variable consideration when determining the amount of revenue to recognize. Variable consideration includes potential contractual penalties and various rebate, cooperative marketing and other incentive programs that we offer to our distributors, channel partners and customers. When determining the amount of revenue to recognize, we estimate the expected usage of these programs, applying the expected value or most likely estimate and update the estimate at each reporting period as actual utilization becomes available. We also consider the customers' right of return in determining the transaction price, where applicable. If actual credits received by distributors under these programs were to deviate significantly from our estimates, which are based on historical experience, our revenue could be adversely affected.

See Note 3 to the Consolidated Financial Statements for more details.

CISCO SYSTEMS, INC.
MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS (Continued)

Loss Contingencies

We are subject to the possibility of various losses arising in the ordinary course of business. We consider the likelihood of impairment of an asset or the incurrence of a liability, as well as our ability to reasonably estimate the amount of loss, in determining loss contingencies. An estimated loss contingency is accrued when it is probable that an asset has been impaired or a liability has been incurred and the amount of loss can be reasonably estimated. We regularly evaluate information available to us to determine whether such accruals should be made or adjusted and whether new accruals are required.

Third parties, including customers, have in the past and may in the future assert claims or initiate litigation related to exclusive patent, copyright, trademark, and other intellectual property rights to technologies and related standards that are relevant to us. These assertions have increased over time as a result of our growth and the general increase in the pace of patent claims assertions, particularly in the United States. If any infringement or other intellectual property claim made against us by any third party is successful, or if we fail to develop non-infringing technology or license the proprietary rights on commercially reasonable terms and conditions, our business, operating results, and financial condition could be materially and adversely affected.

Goodwill and Purchased Intangible Asset Impairments

Our methodology for allocating the purchase price relating to purchase acquisitions is determined through established valuation techniques. Goodwill represents a residual value as of the acquisition date, which in most cases results in measuring goodwill as an excess of the purchase consideration transferred plus the fair value of any noncontrolling interest in the acquired company over the fair value of net assets acquired, including contingent consideration. We perform goodwill impairment tests on an annual basis in the fourth fiscal quarter and between annual tests in certain circumstances for each reporting unit. The assessment of fair value for goodwill and purchased intangible assets is based on factors that market participants would use in an orderly transaction in accordance with the new accounting guidance for the fair value measurement of nonfinancial assets.

In response to changes in industry and market conditions, we could be required to strategically realign our resources and consider restructuring, disposing of, or otherwise exiting businesses, which could result in an impairment of goodwill. There was no impairment of goodwill in each of the first six months of fiscal 2021 and 2020.

The fair value of acquired technology and patents, as well as acquired technology under development, is determined at acquisition date primarily using the income approach, which discounts expected future cash flows to present value. The discount rates used in the present value calculations are typically derived from a weighted-average cost of capital analysis and then adjusted to reflect risks inherent in the development lifecycle as appropriate. We consider the pricing model for products related to these acquisitions to be standard within the high-technology communications industry, and the applicable discount rates represent the rates that market participants would use for valuation of such intangible assets.

We make judgments about the recoverability of purchased intangible assets with finite lives whenever events or changes in circumstances indicate that an impairment may exist. Recoverability of purchased intangible assets with finite lives is measured by comparing the carrying amount of the asset to the future undiscounted cash flows the asset is expected to generate. We review indefinite-lived intangible assets for impairment annually or whenever events or changes in circumstances indicate that the asset might be impaired. If the asset is considered to be impaired, the amount of any impairment is measured as the difference between the carrying value and the fair value of the impaired asset. Assumptions and estimates about future values and remaining useful lives of our purchased intangible assets are complex and subjective. They can be affected by a variety of factors, including external factors such as industry and economic trends, and internal factors such as changes in our business strategy and our internal forecasts.

Our ongoing consideration of all the factors described previously could result in impairment charges in the future, which could adversely affect our net income.

Income Taxes

We are subject to income taxes in the United States and numerous foreign jurisdictions. Our effective tax rates differ from the statutory rate, primarily due to the tax impact of state taxes, foreign operations, R&D tax credits, foreign-derived intangible income deductions, global intangible low-taxed income, tax audit settlements, nondeductible compensation, international realignments, and transfer pricing adjustments. Our effective tax rate was 21.8% and 18.6% in the second quarter of fiscal 2021 and 2020, respectively, and 20.5% and 19.6% in the first six months of fiscal 2021 and 2020, respectively.

Significant judgment is required in evaluating our uncertain tax positions and determining our provision for income taxes. Although we believe our reserves are reasonable, no assurance can be given that the final tax outcome of these matters will not be different from that which is reflected in our historical income tax provisions and accruals. We adjust these reserves in light of changing facts and circumstances, such as the closing of a tax audit or the refinement of an estimate. To the extent that the

CISCO SYSTEMS, INC.
MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS (Continued)

final tax outcome of these matters is different than the amounts recorded, such differences will impact the provision for income taxes in the period in which such determination is made. The provision for income taxes includes the impact of reserve provisions and changes to reserves that are considered appropriate, as well as the related net interest and penalties.

Significant judgment is also required in determining any valuation allowance recorded against deferred tax assets. In assessing the need for a valuation allowance, we consider all available evidence, including past operating results, estimates of future taxable income, and the feasibility of tax planning strategies. In the event that we change our determination as to the amount of deferred tax assets that can be realized, we will adjust our valuation allowance with a corresponding impact to the provision for income taxes in the period in which such determination is made.

Our provision for income taxes is subject to volatility and could be adversely impacted by earnings being lower than anticipated in countries that have lower tax rates and higher than anticipated in countries that have higher tax rates; by changes in the valuation of our deferred tax assets and liabilities; by changes to foreign-derived intangible income deduction, global intangible low-tax income and base erosion and anti-abuse tax laws, regulations, or interpretations thereof; by expiration of or lapses in tax incentives; by transfer pricing adjustments, including the effect of acquisitions on our legal structure; by tax effects of nondeductible compensation; by tax costs related to intercompany realignments; by changes in accounting principles; or by changes in tax laws and regulations, treaties, or interpretations thereof, including changes to the taxation of earnings of our foreign subsidiaries, the deductibility of expenses attributable to foreign income, and the foreign tax credit rules. Significant judgment is required to determine the recognition and measurement attributes prescribed in the accounting guidance for uncertainty in income taxes. The Organisation for Economic Co-operation and Development (OECD), an international association comprised of 37 countries, including the United States, has made changes to numerous long-standing tax principles. There can be no assurance that these changes, once adopted by countries, will not have an adverse impact on our provision for income taxes. Further, as a result of certain of our ongoing employment and capital investment actions and commitments, our income in certain countries was subject to reduced tax rates. Our failure to meet these commitments could adversely impact our provision for income taxes. In addition, we are subject to the continuous examination of our income tax returns by the Internal Revenue Service (IRS) and other tax authorities. We regularly assess the likelihood of adverse outcomes resulting from these examinations to determine the adequacy of our provision for income taxes. There can be no assurance that the outcomes from these continuous examinations will not have an adverse impact on our operating results and financial condition.

CISCO SYSTEMS, INC.
MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS (Continued)

RESULTS OF OPERATIONS
Revenue

The following table presents the breakdown of revenue between product and service (in millions, except percentages):

	Three Months Ended				Six Months Ended			
	January 23, 2021	January 25, 2020	Variance in Dollars	Variance in Percent	January 23, 2021	January 25, 2020	Variance in Dollars	Variance in Percent
Revenue:								
Product	\$ 8,572	\$ 8,671	\$ (99)	(1)%	\$ 17,159	\$ 18,549	\$ (1,390)	(7)%
<i>Percentage of revenue</i>	<i>71.7%</i>	<i>72.2%</i>			<i>71.8%</i>	<i>73.7%</i>		
Service	3,388	3,334	54	2%	6,730	6,615	115	2%
<i>Percentage of revenue</i>	<i>28.3%</i>	<i>27.8%</i>			<i>28.2%</i>	<i>26.3%</i>		
Total	\$ 11,960	\$ 12,005	\$ (45)	-%	\$ 23,889	\$ 25,164	\$ (1,275)	(5)%

We manage our business primarily on a geographic basis, organized into three geographic segments. Our revenue, which includes product and service for each segment, is summarized in the following table (in millions, except percentages):

	Three Months Ended				Six Months Ended			
	January 23, 2021	January 25, 2020	Variance in Dollars	Variance in Percent	January 23, 2021	January 25, 2020	Variance in Dollars	Variance in Percent
Revenue:								
Americas	\$ 6,969	\$ 7,013	\$ (44)	(1)%	\$ 14,168	\$ 14,990	\$ (822)	(5)%
<i>Percentage of revenue</i>	<i>58.3%</i>	<i>58.4%</i>			<i>59.3%</i>	<i>59.6%</i>		
EMEA	3,207	3,134	73	2%	6,171	6,417	(246)	(4)%
<i>Percentage of revenue</i>	<i>26.8%</i>	<i>26.1%</i>			<i>25.8%</i>	<i>25.5%</i>		
APJC	1,784	1,859	(75)	(4)%	3,551	3,758	(207)	(6)%
<i>Percentage of revenue</i>	<i>14.9%</i>	<i>15.5%</i>			<i>14.9%</i>	<i>14.9%</i>		
Total	\$ 11,960	\$ 12,005	\$ (45)	-%	\$ 23,889	\$ 25,164	\$ (1,275)	(5)%

Amounts may not sum and percentages may not recalculate due to rounding.

Three Months Ended January 23, 2021 Compared with Three Months Ended January 25, 2020

Total revenue was flat. Product revenue decreased by 1% and service revenue increased by 2%. Our total revenue reflected declines in the Americas and APJC segments while revenue grew in the EMEA segment. Product revenue for the emerging countries of BRICM, in the aggregate, experienced a 13% product revenue decline, with decreases in each of these countries.

In addition to the impact of macroeconomic factors, including the IT spending environment and the level of spending by government entities, revenue by segment in a particular period may be significantly impacted by several factors related to revenue recognition, including the complexity of transactions such as multiple performance obligations; the mix of financing arrangements provided to channel partners and customers; and final acceptance of the product, system, or solution, among other factors. In addition, certain customers tend to make large and sporadic purchases, and the revenue related to these transactions may also be affected by the timing of revenue recognition, which in turn would impact the revenue of the relevant segment.

Six Months Ended January 23, 2021 Compared with Six Months Ended January 25, 2020

Total revenue decreased by 5%. Product revenue decreased by 7% and service revenue increased by 2%. Our total revenue reflected declines across each of our geographic segments. Product revenue for the emerging countries of BRICM, in the aggregate, experienced a 21% product revenue decline, with decreases in each of these countries.

CISCO SYSTEMS, INC.
MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS (Continued)

Product Revenue by Segment

The following table presents the breakdown of product revenue by segment (in millions, except percentages):

	Three Months Ended				Six Months Ended			
	January 23, 2021	January 25, 2020	Variance in Dollars	Variance in Percent	January 23, 2021	January 25, 2020	Variance in Dollars	Variance in Percent
Product revenue:								
Americas	\$ 4,888	\$ 4,935	\$ (47)	(1)%	\$ 10,017	\$ 10,842	\$ (825)	(8)%
<i>Percentage of product revenue</i>	<i>57.1%</i>	<i>56.9%</i>			<i>58.4%</i>	<i>58.4%</i>		
EMEA	2,438	2,393	45	2%	4,648	4,951	(303)	(6)%
<i>Percentage of product revenue</i>	<i>28.4%</i>	<i>27.6%</i>			<i>27.1%</i>	<i>26.7%</i>		
APJC	1,246	1,343	(97)	(7)%	2,494	2,757	(263)	(10)%
<i>Percentage of product revenue</i>	<i>14.5%</i>	<i>15.5%</i>			<i>14.5%</i>	<i>14.9%</i>		
Total	\$ 8,572	\$ 8,671	\$ (99)	(1)%	\$ 17,159	\$ 18,549	\$ (1,390)	(7)%

Amounts may not sum and percentages may not recalculate due to rounding.

Americas

Three Months Ended January 23, 2021 Compared with Three Months Ended January 25, 2020

Product revenue in the Americas segment decreased by 1%. The product revenue decrease was driven by declines in the enterprise and service provider markets. These declines were offset by growth in the public sector and commercial markets. From a country perspective, product revenue decreased by 16% in Mexico and 14% in Brazil, partially offset by growth in product revenue in Canada of 6%. Product revenue in the United States was flat.

Six Months Ended January 23, 2021 Compared with Six Months Ended January 25, 2020

The decrease in product revenue in the Americas segment was driven by declines in the enterprise, commercial and service provider markets. The decreases were partially offset by product revenue growth in the public sector market. From a country perspective, product revenue decreased in the United States, Canada, Mexico and Brazil by 7%, 10%, 20% and 28%, respectively.

EMEA

Three Months Ended January 23, 2021 Compared with Three Months Ended January 25, 2020

Product revenue in the EMEA segment increased by 2%, with growth in the service provider, public sector and enterprise markets partially offset by a decline in the commercial market. Product revenue from emerging countries within EMEA decreased by 13% and product revenue for the remainder of the EMEA segment, which primarily consists of countries in Western Europe, increased by 7%. From a country perspective, product revenue increased by 18% in Germany and 6% in France, partially offset by a decline in product revenue of 7% in the United Kingdom.

Six Months Ended January 23, 2021 Compared with Six Months Ended January 25, 2020

Product revenue in the EMEA segment decreased by 6%, with declines in the commercial, enterprise and public sector markets partially offset by growth in the service provider market. Product revenue from emerging countries within EMEA decreased by 14% and product revenue for the remainder of the EMEA segment decreased by 3%. From a country perspective, product revenue declined 10% in the United Kingdom and 6% in France, partially offset by growth in product revenue of 6% in Germany.

APJC

Three Months Ended January 23, 2021 Compared with Three Months Ended January 25, 2020

Product revenue in the APJC segment decreased by 7%, driven by declines in the service provider, enterprise and commercial markets partially offset by growth in the public sector market. From a country perspective, product revenue decreased in Australia, India and China by 4%, 10%, and 9%, respectively, partially offset by a product revenue increase in Japan of 3%.

CISCO SYSTEMS, INC.
MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS (Continued)

Six Months Ended January 23, 2021 Compared with Six Months Ended January 25, 2020

Product revenue in the APJC segment decreased by 10%, with declines across each of the customer markets in this geographic segment. From a country perspective, product revenue decreased in Australia, India and China by 10%, 24% and 19%, respectively, partially offset by a product revenue increase of 8% in Japan.

Product Revenue by Category

In addition to the primary view on a geographic basis, we also prepare financial information related to product categories and customer markets for various purposes. We report our product revenue in the following categories: Infrastructure Platforms, Applications, Security, and Other Products. This aligns our product categories with our evolving business model. Prior period amounts have been reclassified to conform to the current period's presentation.

The following table presents product revenue by category (in millions, except percentages):

	Three Months Ended				Six Months Ended			
	January 23, 2021	January 25, 2020	Variance in Dollars	Variance in Percent	January 23, 2021	January 25, 2020	Variance in Dollars	Variance in Percent
Product revenue:								
Infrastructure Platforms	\$ 6,391	\$ 6,567	\$ (176)	(3)%	\$ 12,732	\$ 14,120	\$ (1,388)	(10)%
Applications	1,354	1,349	5	-%	2,734	2,847	(113)	(4)%
Security	822	749	73	10%	1,684	1,565	119	8%
Other Products	4	7	(3)	(39)%	9	17	(8)	(49)%
Total	<u>\$ 8,572</u>	<u>\$ 8,671</u>	<u>\$ (99)</u>	<u>(1)%</u>	<u>\$ 17,159</u>	<u>\$ 18,549</u>	<u>\$ (1,390)</u>	<u>(7)%</u>

Amounts may not sum and percentages may not recalculate due to rounding.

Infrastructure Platforms

Three Months Ended January 23, 2021 Compared with Three Months Ended January 25, 2020

The Infrastructure Platforms product category represents our core networking offerings related to switching, routing, wireless, and the data center. Infrastructure Platforms revenue decreased by 3%, or \$176 million. This was the product area most impacted by the COVID-19 pandemic environment. Switching revenue was flat. We experienced revenue growth in data center switching driven by increased revenue from our Nexus 9000 Series. This product revenue growth was partially offset by declines in campus switching, although we had revenue growth in our intent-based networking Catalyst 9000 Series. We experienced a decrease in sales of routing products, with declines primarily in the service provider market. We experienced revenue growth from wireless products driven by our Wi-Fi6 products and Meraki offerings. Revenue from data center declined primarily driven by our servers products.

Six Months Ended January 23, 2021 Compared with Six Months Ended January 25, 2020

Revenue from the Infrastructure Platforms product category decreased 10%, or \$1.4 billion, with declines across the portfolio with the exception of wireless. Switching revenue declined in both campus switching and data center switching, although we saw revenue growth in our intent-based networking Catalyst 9000 Series and Nexus 9000 Series. The decrease in routing was driven by continued weakness in the service provider and enterprise markets. Revenue from data center decreased driven primarily by our server products.

Applications

Three Months Ended January 23, 2021 Compared with Three Months Ended January 25, 2020

The Applications product category includes our collaboration offerings (unified communications, Cisco TelePresence and conferencing) as well as the Internet of Things (IoT) and AppDynamics analytics software offerings. Revenue in our Applications product category was flat, driven by double digit growth in Webex partially offset by declines in Unified Communications and Cisco TelePresence.

Six Months Ended January 23, 2021 Compared with Six Months Ended January 25, 2020

Revenue in our Applications product category decreased by 4%, or \$113 million, with declines in Unified Communications and Cisco TelePresence partially offset by double digit growth in Webex.

CISCO SYSTEMS, INC.
MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS (Continued)

Security

Three Months Ended January 23, 2021 Compared with Three Months Ended January 25, 2020

Revenue in our Security product category increased 10%, or \$73 million with growth across the portfolio. Our cloud security portfolio reflected strong double-digit growth and continued momentum with our Duo and Umbrella offerings.

Six Months Ended January 23, 2021 Compared with Six Months Ended January 25, 2020

Revenue in our Security product category increased by 8%, or \$119 million, driven by growth in our cloud security portfolio reflecting growth and continued momentum with our Duo and Umbrella offerings.

Service Revenue by Segment

The following table presents the breakdown of service revenue by segment (in millions, except percentages):

	Three Months Ended				Six Months Ended			
	January 23, 2021	January 25, 2020	Variance in Dollars	Variance in Percent	January 23, 2021	January 25, 2020	Variance in Dollars	Variance in Percent
Service revenue:								
Americas	\$ 2,081	\$ 2,078	\$ 3	-%	\$ 4,151	\$ 4,148	\$ 3	-%
<i>Percentage of service revenue</i>	<i>61.4%</i>	<i>62.3%</i>			<i>61.7%</i>	<i>62.7%</i>		
EMEA	769	741	28	4%	1,523	1,466	57	4%
<i>Percentage of service revenue</i>	<i>22.7%</i>	<i>22.2%</i>			<i>22.6%</i>	<i>22.2%</i>		
APJC	538	515	23	4%	1,057	1,001	56	6%
<i>Percentage of service revenue</i>	<i>15.9%</i>	<i>15.5%</i>			<i>15.7%</i>	<i>15.1%</i>		
Total	\$ 3,388	\$ 3,334	\$ 54	2%	\$ 6,730	\$ 6,615	\$ 115	2%

Amounts may not sum and percentages may not recalculate due to rounding.

Service revenue increased 2% in each of the second quarter and first six months of fiscal 2021 compared to the corresponding periods of fiscal 2020. The increases in both periods were driven by revenue growth in solution support offerings. Service revenue increased across all geographic segments.

CISCO SYSTEMS, INC.
MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS (Continued)

Gross Margin

The following table presents the gross margin for products and services (in millions, except percentages):

	Three Months Ended				Six Months Ended			
	AMOUNT		PERCENTAGE		AMOUNT		PERCENTAGE	
	January 23, 2021	January 25, 2020	January 23, 2021	January 25, 2020	January 23, 2021	January 25, 2020	January 23, 2021	January 25, 2020
Gross margin:								
Product	\$ 5,528	\$ 5,545	64.5%	63.9%	\$ 10,909	\$ 11,899	63.6%	64.1%
Service	2,256	2,219	66.6%	66.6%	4,456	4,329	66.2%	65.4%
Total	\$ 7,784	\$ 7,764	65.1%	64.7%	\$ 15,365	\$ 16,228	64.3%	64.5%

Product Gross Margin

The following table summarizes the key factors that contributed to the change in product gross margin percentage for the second quarter and first six months of fiscal 2021, as compared with the corresponding prior year periods:

	Product Gross Margin Percentage	
	Three Months Ended	Six Months Ended
Fiscal 2020	63.9%	64.1%
Productivity ⁽¹⁾	0.6%	(0.1)%
Product pricing	(1.6)%	(1.6)%
Mix of products sold	1.7%	1.6%
Legal and indemnification charge	-%	(0.2)%
Others	(0.1)%	(0.2)%
Fiscal 2021	64.5%	63.6%

⁽¹⁾ Productivity includes overall manufacturing-related costs, such as component costs, warranty expense, provision for inventory, freight, logistics, shipment volume, and other items not categorized elsewhere.

Three Months Ended January 23, 2021 Compared with Three Months Ended January 25, 2020

Product gross margin increased by 0.6 percentage points driven by favorable product mix and productivity improvements, partially offset by pricing erosion.

Productivity improvements were driven by cost reductions including value engineering efforts (e.g. component redesign, board configuration, test processes and transformation processes) and continued efficiency in manufacturing operations. In the second quarter of fiscal 2021, as a result of the COVID-19 pandemic, we continued to incur additional logistics costs, such as freight which had a negative impact on product gross margin. The pricing erosion was driven by typical market factors and impacted each of our geographic segments. The favorable mix was driven by changes in the proportion of products sold from each of our product categories as compared to the corresponding period of fiscal 2020.

Six Months Ended January 23, 2021 Compared with Six Months Ended January 25, 2020

Product gross margin decreased by 0.5 percentage points driven by pricing erosion and to a lesser extent, productivity, partially offset by favorable impacts from product mix. In the first six months of fiscal 2021, as a result of the COVID-19 pandemic, we incurred additional logistics costs, such as freight which had a negative impact on product gross margin.

Service Gross Margin

Three Months Ended January 23, 2021 Compared with Three Months Ended January 25, 2020

Our service gross margin percentage was flat primarily due to higher sales volume and favorable mix of service offerings, partially offset by higher headcount-related and delivery costs.

Our service gross margin normally experiences some fluctuations due to various factors such as the timing of contract initiations in our renewals, our strategic investments in headcount, and the resources we deploy to support the overall service business. Other factors include the mix of service offerings, as the gross margin from our advanced services is typically lower than the gross margin from technical support services.

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MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS (Continued)

Six Months Ended January 23, 2021 Compared with Six Months Ended January 25, 2020

Service gross margin percentage increased by 0.8 percentage points due to higher sales volume and favorable mix of service offerings, partially offset by increased headcount-related and delivery costs.

Gross Margin by Segment

The following table presents the total gross margin for each segment (in millions, except percentages):

	Three Months Ended				Six Months Ended			
	AMOUNT		PERCENTAGE		AMOUNT		PERCENTAGE	
	January 23, 2021	January 25, 2020	January 23, 2021	January 25, 2020	January 23, 2021	January 25, 2020	January 23, 2021	January 25, 2020
Gross margin:								
Americas	\$ 4,705	\$ 4,692	67.5%	66.9%	\$ 9,552	\$ 10,008	67.4%	66.8%
EMEA	2,145	2,062	66.9%	65.8%	4,038	4,229	65.4%	65.9%
APJC	1,155	1,219	64.8%	65.6%	2,268	2,413	63.9%	64.2%
Segment total	8,005	7,974	66.9%	66.4%	15,858	16,650	66.4%	66.2%
Unallocated corporate items ⁽¹⁾	(221)	(210)			(493)	(422)		
Total	\$ 7,784	\$ 7,764	65.1%	64.7%	\$ 15,365	\$ 16,228	64.3%	64.5%

⁽¹⁾ The unallocated corporate items include the effects of amortization and impairments of acquisition-related intangible assets, share-based compensation expense, significant litigation settlements and other contingencies, charges related to asset impairments and restructurings, and certain other charges. We do not allocate these items to the gross margin for each segment because management does not include such information in measuring the performance of the operating segments.

Amounts may not sum and percentages may not recalculate due to rounding.

Three Months Ended January 23, 2021 Compared with Three Months Ended January 25, 2020

We experienced a gross margin percentage increase in our Americas segment due to favorable impacts from product mix and productivity improvements, partially offset by pricing erosion.

Gross margin in our EMEA segment increased due favorable impacts from productivity improvements and product mix, partially offset by pricing erosion. Higher service gross margin also contributed to the increase in the gross margin in this geographic segment.

The APJC segment gross margin percentage decrease was due to pricing erosion, partially offset by favorable impacts from product mix. Lower service gross margin also contributed to the decrease in the gross margin in this geographic segment.

The gross margin percentage for a particular segment may fluctuate, and period-to-period changes in such percentages may or may not be indicative of a trend for that segment.

Six Months Ended January 23, 2021 Compared with Six Months Ended January 25, 2020

The Americas segment had a gross margin percentage increase driven by favorable product mix, and to a lesser extent, productivity improvements, partially offset by pricing erosion.

The gross margin percentage decrease in our EMEA segment was due to pricing erosion, partially offset by favorable product mix and productivity improvements.

The APJC segment gross margin percentage decrease was driven by pricing erosion, partially offset by productivity improvements and favorable product mix.

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MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS (Continued)

Research and Development (“R&D”), Sales and Marketing, and General and Administrative (“G&A”) Expenses

R&D, sales and marketing, and G&A expenses are summarized in the following table (in millions, except percentages):

	Three Months Ended				Six Months Ended			
	January 23, 2021	January 25, 2020	Variance in Dollars	Variance in Percent	January 23, 2021	January 25, 2020	Variance in Dollars	Variance in Percent
Research and development	\$ 1,527	\$ 1,570	\$ (43)	(3)%	\$ 3,139	\$ 3,236	\$ (97)	(3)%
<i>Percentage of revenue</i>	<i>12.8%</i>	<i>13.1%</i>			<i>13.1%</i>	<i>12.9%</i>		
Sales and marketing	2,277	2,279	(2)	-%	4,494	4,759	(265)	(6)%
<i>Percentage of revenue</i>	<i>19.0%</i>	<i>19.0%</i>			<i>18.8%</i>	<i>18.9%</i>		
General and administrative	484	455	29	6%	1,028	974	54	6%
<i>Percentage of revenue</i>	<i>4.0%</i>	<i>3.8%</i>			<i>4.3%</i>	<i>3.9%</i>		
Total	\$ 4,288	\$ 4,304	\$ (16)	-%	\$ 8,661	\$ 8,969	\$ (308)	(3)%
<i>Percentage of revenue</i>	<i>35.9%</i>	<i>35.9%</i>			<i>36.3%</i>	<i>35.6%</i>		

R&D Expenses

Three Months Ended January 23, 2021 Compared with Three Months Ended January 25, 2020

R&D expenses decreased due to lower headcount-related expenses, contracted services spending and discretionary spending.

We continue to invest in R&D in order to bring a broad range of products to market in a timely fashion. If we believe that we are unable to enter a particular market in a timely manner with internally developed products, we may purchase or license technology from other businesses, or we may partner with or acquire businesses as an alternative to internal R&D.

Six Months Ended January 23, 2021 Compared with Six Months Ended January 25, 2020

R&D expenses decreased primarily due to lower discretionary spending and headcount-related expenses, partially offset by higher share-based compensation expense.

Sales and Marketing Expenses

Three Months Ended January 23, 2021 Compared with Three Months Ended January 25, 2020

Sales and marketing expenses were flat due to higher headcount-related expenses and contracted services spending, partially offset by lower discretionary spending.

Six Months Ended January 23, 2021 Compared with Six Months Ended January 25, 2020

Sales and marketing expenses decreased primarily due to lower discretionary spending and lower acquisition-related costs partially offset by higher headcount-related expenses.

G&A Expenses

Three Months Ended January 23, 2021 Compared with Three Months Ended January 25, 2020

G&A expenses increased due to the impact from the gain recognized on the sale of property that had been held for sale in the second quarter of fiscal 2020, partially offset by lower contracted services spending, lower headcount-related expenses and lower discretionary spending.

Six Months Ended January 23, 2021 Compared with Six Months Ended January 25, 2020

G&A expenses increased due to the impact from the gain recognized on the sale of property that had been held for sale in the second quarter of fiscal 2020, partially offset by lower acquisition-related costs and lower discretionary spending.

Effect of Foreign Currency

In the second quarter of fiscal 2021, foreign currency fluctuations, net of hedging, increased the combined R&D, sales and marketing, and G&A expenses by approximately \$29 million, or 0.7%, compared with the second quarter of fiscal 2020.

In the first six months of fiscal 2021, foreign currency fluctuations, net of hedging, increased the combined R&D, sales and marketing, and G&A expenses by approximately \$43 million or 0.5%, compared with the first six months of fiscal 2020.

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Amortization of Purchased Intangible Assets

The following table presents the amortization of purchased intangible assets including impairment charges (in millions):

	Three Months Ended		Six Months Ended	
	January 23, 2021	January 25, 2020	January 23, 2021	January 25, 2020
Amortization of purchased intangible assets:				
Cost of sales	\$ 156	\$ 165	\$ 326	\$ 331
Operating expenses	39	38	75	74
Total	<u>\$ 195</u>	<u>\$ 203</u>	<u>\$ 401</u>	<u>\$ 405</u>

For each of the second quarter and first six months of fiscal 2021, the decrease was primarily due to lower amortization of purchased intangibles from our recent acquisitions.

Restructuring and Other Charges

In the first quarter of fiscal 2021, we initiated a restructuring plan, which includes a voluntary early retirement program, in order to realign the organization and enable further investment in key priority areas. The total pretax charges are estimated to be approximately \$900 million. In connection with this restructuring plan, we incurred charges of \$232 million and \$834 million for the second quarter and first six months of fiscal 2021. We expect the plan to be substantially completed in fiscal 2021 and estimate it will generate cost savings of approximately \$1.0 billion on an annualized basis over the next few quarters.

We initiated a restructuring plan during fiscal 2020 in order to realign the organization and enable further investment in key priority areas. In connection with this restructuring plan, we have incurred cumulative charges of \$257 million. We expect this restructuring plan to be substantially completed in fiscal 2021.

Operating Income

The following table presents our operating income and our operating income as a percentage of revenue (in millions, except percentages):

	Three Months Ended		Six Months Ended	
	January 23, 2021	January 25, 2020	January 23, 2021	January 25, 2020
Operating income	\$ 3,223	\$ 3,380	\$ 5,793	\$ 6,959
Operating income as a percentage of revenue	26.9%	28.2%	24.2%	27.7%

Three Months Ended January 23, 2021 Compared with Three Months Ended January 25, 2020

Operating income decreased by 5%, and as a percentage of revenue operating income decreased by 1.3 percentage points. These changes resulted primarily from higher restructuring and other charges, partially offset by a gross margin percentage increase (driven by favorable product mix and productivity improvements, partially offset by pricing erosion).

Six Months Ended January 23, 2021 Compared with Six Months Ended January 25, 2020

Operating income decreased by 17%, and as a percentage of revenue operating income decreased by 3.5 percentage points. These changes resulted primarily from a revenue decrease, higher restructuring and other charges and a gross margin percentage decrease (driven by pricing erosion).

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Interest and Other Income (Loss), Net

Interest Income (Expense), Net The following table summarizes interest income and interest expense (in millions):

	Three Months Ended			Six Months Ended		
	January 23, 2021	January 25, 2020	Variance in Dollars	January 23, 2021	January 25, 2020	Variance in Dollars
Interest income	\$ 161	\$ 242	\$ (81)	\$ 335	\$ 515	\$ (180)
Interest expense	(113)	(158)	45	(225)	(336)	111
Interest income (expense), net	<u>\$ 48</u>	<u>\$ 84</u>	<u>\$ (36)</u>	<u>\$ 110</u>	<u>\$ 179</u>	<u>\$ (69)</u>

For each of the second quarter and first six months of fiscal 2021, interest income decreased driven by lower yields on our portfolio. The decrease in interest expense was driven by a lower average debt balance and the impact of lower effective interest rates.

Other Income (Loss), Net The components of other income (loss), net, are summarized as follows (in millions):

	Three Months Ended			Six Months Ended		
	January 23, 2021	January 25, 2020	Variance in Dollars	January 23, 2021	January 25, 2020	Variance in Dollars
Gains (losses) on investments, net:						
Available-for-sale debt investments	\$ 9	\$ 11	\$ (2)	\$ 24	\$ 21	\$ 3
Marketable equity investments	-	-	-	(1)	-	(1)
Non-marketable equity and other investments	(17)	81	(98)	25	91	(66)
Net gains (losses) on investments	(8)	92	(100)	48	112	(64)
Other gains (losses), net	(8)	(22)	14	(15)	(30)	15
Other income (loss), net	<u>\$ (16)</u>	<u>\$ 70</u>	<u>\$ (86)</u>	<u>\$ 33</u>	<u>\$ 82</u>	<u>\$ (49)</u>

Three Months Ended January 23, 2021 Compared with Three Months Ended January 25, 2020

The change in net gains (losses) on non-marketable equity and other investments was primarily due to higher net realized losses, offset by higher net unrealized gains, and lower impairment charges. The change in other gains (losses), net was driven by impacts from foreign exchange and our equity derivatives.

Six Months Ended January 23, 2021 Compared with Six Months Ended January 25, 2020

The change in net gains (losses) on non-marketable equity and other investments was primarily due to higher net realized losses, offset by higher net unrealized gains and lower impairment charges. The change in other gains (losses), net was primarily driven by the impacts from foreign exchange and our equity derivatives.

Provision for Income Taxes

Three Months Ended January 23, 2021 Compared with Three Months Ended January 25, 2020

The provision for income taxes resulted in an effective tax rate of 21.8% for the second quarter of fiscal 2021 compared with 18.6% for the second quarter of fiscal 2020. The increase in the effective tax rate was primarily due to a foreign tax audit settlement expense and a decrease in excess tax benefits from share-based compensation in the second quarter of fiscal 2021 as compared to the second quarter of fiscal 2020.

Our effective tax rate will increase or decrease based upon the tax effect of the difference between the share-based compensation expenses and the benefits taken on the company's tax returns. We recognize excess tax benefits on a discrete basis and therefore anticipate the effective tax rate to vary from quarter to quarter depending on our share price in each period.

Six Months Ended January 23, 2021 Compared with Six Months Ended January 25, 2020

The provision for income taxes resulted in an effective tax rate of 20.5% for the first six months of fiscal 2021 compared with 19.6% for the first six months of fiscal 2020. The increase in effective tax rate was primarily due to a decrease in excess tax benefits from share-based compensation in fiscal 2021 as compared to fiscal 2020.

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LIQUIDITY AND CAPITAL RESOURCES

The following sections discuss the effects of changes in our balance sheet, our capital allocation strategy including stock repurchase program and dividends, our contractual obligations, and certain other commitments and activities on our liquidity and capital resources.

Balance Sheet and Cash Flows

Cash and Cash Equivalents and Investments The following table summarizes our cash and cash equivalents and investments (in millions):

	January 23, 2021	July 25, 2020	Increase (Decrease)
Cash and cash equivalents	\$ 11,793	\$ 11,809	\$ (16)
Available-for-sale debt investments	18,790	17,610	1,180
Marketable equity securities	5	-	5
Total	<u>\$ 30,588</u>	<u>\$ 29,419</u>	<u>\$ 1,169</u>

The net increase in cash and cash equivalents and investments in the first six months of fiscal 2021 was primarily driven by cash provided by operating activities of \$7.1 billion. This source of cash was partially offset by cash returned to shareholders in the form of repurchases of common stock of \$1.6 billion and cash dividends of \$3.0 billion; net cash paid for acquisitions and divestitures of \$0.9 billion and capital expenditures of \$0.4 billion.

In addition to cash requirements in the normal course of business, on July 9, 2019 we announced our intent to acquire Acacia. On January 14, 2021, we announced an amendment to the definitive merger agreement. Under the amended agreement, we have agreed to acquire Acacia for a net purchase consideration of approximately \$4.5 billion on a fully diluted basis, net of cash and marketable securities. Additionally, approximately \$0.7 billion of the U.S. transition tax on accumulated earnings for foreign subsidiaries is payable in less than one year. Also, \$5.0 billion of long-term debt outstanding at January 23, 2021 will mature within the next 12 months from the balance sheet date. See further discussion of liquidity under "Liquidity and Capital Resource Requirements" below.

We maintain an investment portfolio of various holdings, types, and maturities. We classify our investments as short-term investments based on their nature and their availability for use in current operations. We believe the overall credit quality of our portfolio is strong, with our cash equivalents and our available-for-sale debt investment portfolio consisting primarily of high quality investment-grade securities. We believe that our strong cash and cash equivalents and investments position is critical at this time of uncertainty due to the COVID-19 pandemic and allows us to use our cash resources for strategic investments to gain access to new technologies, for acquisitions, for customer financing activities, for working capital needs, and for the repurchase of shares of common stock and payment of dividends as discussed below.

Securities Lending We periodically engage in securities lending activities with certain of our available-for-sale debt investments. These transactions are accounted for as a secured lending of the securities, and the securities are typically loaned only on an overnight basis. We require collateral equal to at least 102% of the fair market value of the loaned security and that the collateral be in the form of cash or liquid, high-quality assets. We engage in these secured lending transactions only with highly creditworthy counterparties, and the associated portfolio custodian has agreed to indemnify us against collateral losses. We did not experience any losses in connection with the secured lending of securities during the periods presented.

Free Cash Flow and Capital Allocation As part of our capital allocation strategy, we intend to return a minimum of 50% of our free cash flow annually to our shareholders through cash dividends and repurchases of common stock.

We define free cash flow as net cash provided by operating activities less cash used to acquire property and equipment. The following table reconciles our net cash provided by operating activities to free cash flow (in millions):

	Six Months Ended	
	January 23, 2021	January 25, 2020
Net cash provided by operating activities	\$ 7,070	\$ 7,387
Acquisition of property and equipment	(358)	(391)
Free cash flow	<u>\$ 6,712</u>	<u>\$ 6,996</u>

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We expect that cash provided by operating activities may fluctuate in future periods as a result of a number of factors, including fluctuations in our operating results, the rate at which products are shipped during the quarter (which we refer to as shipment linearity), the timing and collection of accounts receivable and financing receivables, inventory and supply chain management, deferred revenue, and the timing and amount of tax and other payments. For additional discussion, see “Part II, Item 1A. Risk Factors” in this report.

We consider free cash flow to be a liquidity measure that provides useful information to management and investors because of our intent to return a stated percentage of free cash flow to shareholders in the form of dividends and stock repurchases. We further regard free cash flow as a useful measure because it reflects cash that can be used to, among other things, invest in our business, make strategic acquisitions, repurchase common stock, and pay dividends on our common stock, after deducting capital investments. A limitation of the utility of free cash flow as a measure of financial performance and liquidity is that the free cash flow does not represent the total increase or decrease in our cash balance for the period. In addition, we have other required uses of cash, including repaying the principal of our outstanding indebtedness. Free cash flow is not a measure calculated in accordance with U.S. generally accepted accounting principles and should not be regarded in isolation or as an alternative for net cash provided by operating activities or any other measure calculated in accordance with such principles, and other companies may calculate free cash flow in a different manner than we do.

The following table summarizes the dividends paid and stock repurchases (in millions, except per-share amounts):

Quarter Ended	DIVIDENDS		STOCK REPURCHASE PROGRAM			TOTAL
	Per Share	Amount	Shares	Weighted-Average Price per Share	Amount	
Fiscal 2021						
January 23, 2021	\$ 0.36	\$ 1,521	19	\$ 42.82	\$ 801	\$ 2,322
October 24, 2020	\$ 0.36	\$ 1,520	20	\$ 40.44	\$ 800	\$ 2,320
Fiscal 2020						
July 25, 2020	\$ 0.36	\$ 1,525	-	\$ -	\$ -	\$ 1,525
April 25, 2020	\$ 0.36	\$ 1,519	25	\$ 39.71	\$ 981	\$ 2,500
January 25, 2020	\$ 0.35	\$ 1,486	18	\$ 46.71	\$ 870	\$ 2,356
October 26, 2019	\$ 0.35	\$ 1,486	16	\$ 48.91	\$ 768	\$ 2,254

On February 9, 2021, our Board of Directors declared a quarterly dividend of \$0.37 per common share to be paid on April 28, 2021 to all stockholders of record as of the close of business on April 6, 2021. Any future dividends are subject to the approval of our Board of Directors.

The remaining authorized amount for stock repurchases under this program is approximately \$9.2 billion, with no termination date.

Accounts Receivable, Net The following table summarizes our accounts receivable, net (in millions):

	January 23, 2021	July 25, 2020	Increase (Decrease)
Accounts receivable, net	\$ 4,307	\$ 5,472	\$ (1,165)

Our accounts receivable net, as of January 23, 2021 decreased by approximately 21%, as compared with the end of fiscal 2020, primarily due to timing and amount of product and service billings in the second quarter of fiscal 2021 compared with the fourth quarter of fiscal 2020.

Inventory Supply Chain The following table summarizes our inventories and purchase commitments with contract manufacturers and suppliers (in millions):

	January 23, 2021	July 25, 2020	Increase (Decrease)
Inventories	\$ 1,436	\$ 1,282	\$ 154
Purchase commitments with contract manufacturers and suppliers	\$ 4,588	\$ 4,406	\$ 182

Inventory as of January 23, 2021 increased by 12% from our inventory balance at the end of fiscal 2020. The increase in inventory was primarily due to an increase in raw materials and finished goods. Purchase commitments with contract

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manufacturers and suppliers increased 4% compared to the end of fiscal 2020. On a combined basis, inventories and purchase commitments with contract manufacturers and suppliers increased 6% compared with the end of fiscal 2020. We believe our inventory and purchase commitments levels are in line with our current demand forecasts.

We purchase components from a variety of suppliers and use several contract manufacturers to provide manufacturing services for our products. During the normal course of business, in order to manage manufacturing lead times and help ensure adequate component supply, we enter into agreements with contract manufacturers and suppliers that allow them to procure inventory based upon criteria as defined by us or that establish the parameters defining our requirements and our commitment to securing manufacturing capacity.

Our purchase commitments are for short-term product manufacturing requirements as well as for commitments to suppliers to secure manufacturing capacity. Certain of our purchase commitments with contract manufacturers and suppliers relate to arrangements to secure long-term pricing for certain product components for multi-year periods. A significant portion of our reported purchase commitments arising from these agreements are firm, noncancelable, and unconditional commitments. In certain instances, these agreements allow us the option to cancel, reschedule, and adjust our requirements based on our business needs prior to firm orders being placed.

Inventory and supply chain management remain areas of focus as we balance the need to maintain supply chain flexibility to help ensure competitive lead times with the risk of inventory obsolescence because of rapidly changing technology and customer requirements. We believe the amount of our inventory and purchase commitments is appropriate for our revenue levels.

Financing Receivables and Guarantees The following table summarizes our financing receivables (in millions):

	January 23, 2021	July 25, 2020	Increase (Decrease)
Lease receivables, net	\$ 1,840	\$ 2,088	\$ (248)
Loan receivables, net	5,721	5,856	(135)
Financed service contracts, net	2,566	2,821	(255)
Total, net	<u>\$ 10,127</u>	<u>\$ 10,765</u>	<u>\$ (638)</u>

Financing Receivables Our financing arrangements include leases, loans, and financed service contracts. Lease receivables include sales-type leases. Arrangements related to leases are generally collateralized by a security interest in the underlying assets. Our loan receivables include customer financing for purchases of our hardware, software and services and also may include additional funds for other costs associated with network installation and integration of our products and services. We also provide financing to certain qualified customers for long-term service contracts, which primarily relate to technical support services. The majority of the revenue from these financed service contracts is deferred and is recognized ratably over the period during which the services are performed. Financing receivables decreased by 6%.

Financing Guarantees In the normal course of business, third parties may provide financing arrangements to our customers and channel partners under financing programs. The financing arrangements to customers provided by third parties are related to leases and loans and typically have terms of up to three years. In some cases, we provide guarantees to third parties for these lease and loan arrangements. The financing arrangements to channel partners consist of revolving short-term financing provided by third parties, with payment terms generally ranging from 60 to 90 days. During fiscal 2020, we expanded the payment terms on certain of our channel partner financing programs by 30 days in response to the COVID-19 pandemic. In certain instances, these financing arrangements result in a transfer of our receivables to the third party. The receivables are derecognized upon transfer, as these transfers qualify as true sales, and we receive payments for the receivables from the third party based on our standard payment terms.

The volume of channel partner financing was \$12.8 billion and \$14.2 billion for the first six months of fiscal 2021 and 2020, respectively. These financing arrangements facilitate the working capital requirements of the channel partners, and in some cases, we guarantee a portion of these arrangements. The balance of the channel partner financing subject to guarantees was \$1.3 billion and \$1.1 billion as of January 23, 2021 and July 25, 2020, respectively. We could be called upon to make payments under these guarantees in the event of nonpayment by the channel partners or end-user customers. Historically, our payments under these arrangements have been immaterial. Where we provide a guarantee, we defer the revenue associated with the channel partner and end-user financing arrangement in accordance with revenue recognition policies, or we record a liability for the fair value of the guarantees. In either case, the deferred revenue is recognized as revenue when the guarantee is removed. As of January 23, 2021, the total maximum potential future payments related to these guarantees was approximately \$213 million, of which approximately \$27 million was recorded as deferred revenue.

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Borrowings

Senior Notes The following table summarizes the principal amount of our senior notes (in millions):

	Maturity Date	January 23, 2021	July 25, 2020
Senior notes:			
Fixed-rate notes:			
2.20%	February 28, 2021	\$ 2,500	\$ 2,500
2.90%	March 4, 2021	500	500
1.85%	September 20, 2021	2,000	2,000
3.00%	June 15, 2022	500	500
2.60%	February 28, 2023	500	500
2.20%	September 20, 2023	750	750
3.625%	March 4, 2024	1,000	1,000
3.50%	June 15, 2025	500	500
2.95%	February 28, 2026	750	750
2.50%	September 20, 2026	1,500	1,500
5.90%	February 15, 2039	2,000	2,000
5.50%	January 15, 2040	2,000	2,000
Total		\$ 14,500	\$ 14,500

Interest is payable semiannually on each class of the senior fixed-rate notes, each of which is redeemable by us at any time, subject to a make-whole premium. We were in compliance with all debt covenants as of January 23, 2021.

Commercial Paper We have a short-term debt financing program in which up to \$10.0 billion is available through the issuance of commercial paper notes. We use the proceeds from the issuance of commercial paper notes for general corporate purposes. We had no commercial paper outstanding as of January 23, 2021 and July 25, 2020.

Credit Facility On May 15, 2020, we entered into a 364-day credit agreement with certain institutional lenders that provides for a \$2.75 billion unsecured revolving credit facility that is scheduled to expire on May 14, 2021. On January 25, 2021, we entered into an amendment to the credit facility to obtain consent of the lenders to our reincorporation to Delaware. The credit agreement is structured as an amendment and restatement of our five-year credit facility which would have terminated on May 15, 2020, the end of its five-year term. As of January 23, 2021, we were in compliance with the required interest coverage ratio and the other covenants, and we had not borrowed any funds under the credit facility. Any advances under the credit agreement will accrue interest at rates that are equal to, based on certain conditions, either (i) the highest of (a) the Federal Funds rate plus 0.50%, (b) Bank of America’s “prime rate” as announced from time to time, or (c) LIBOR, or a comparable or successor rate that is approved by the Administrative Agent (“Eurocurrency Rate”), for an interest period of one month plus 1.00%, or (ii) the Eurocurrency Rate, plus a margin that is based on our senior debt credit ratings as published by Standard & Poor’s Financial Services, LLC and Moody’s Investors Service, Inc., provided that in no event will the Eurocurrency Rate be less than 0.25%. We may also, upon the agreement of either the then-existing lenders or additional lenders not currently parties to the agreement, increase the commitments under the credit facility by up to an additional \$2.0 billion. This credit agreement requires that we comply with certain covenants, including that we maintain an interest coverage ratio as defined in the agreement.

Deferred Revenue The following table presents the breakdown of deferred revenue (in millions):

	January 23, 2021	July 25, 2020	Increase (Decrease)
Product	\$ 8,332	\$ 7,895	\$ 437
Service	12,514	12,551	(37)
Total	\$ 20,846	\$ 20,446	\$ 400
Reported as:			
Current	\$ 11,552	\$ 11,406	\$ 146
Noncurrent	9,294	9,040	254
Total	\$ 20,846	\$ 20,446	\$ 400

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Deferred product revenue increased primarily due to increased deferrals related to our recurring software offerings. The slight decrease in deferred service revenue was driven by the impact of ongoing amortization of deferred service revenue.

Remaining Performance Obligations The following table presents the breakdown of remaining performance obligations (in millions):

	January 23, 2021	July 25, 2020	Increase (Decrease)
Product	\$ 11,666	\$ 11,261	\$ 405
Service	16,512	17,093	(581)
Total	<u>\$ 28,178</u>	<u>\$ 28,354</u>	<u>\$ (176)</u>

Total remaining performance obligations decreased 1% in the first six months of fiscal 2021 compared to the end of fiscal 2020. Remaining performance obligations for product increased 4% compared to the end of fiscal 2020. Remaining performance obligations for service decreased 3%.

Contractual Obligations

Transition Tax Payable

The income tax payable outstanding as of January 23, 2021 for the U.S. transition tax on accumulated earnings for foreign subsidiaries is \$6.9 billion. Approximately \$0.7 billion is payable in less than one year; \$2.1 billion is payable between 1 to 3 years; and \$4.1 billion is payable between 3 to 5 years.

For our Contractual Obligations see our Annual Report on Form 10-K for the year ended July 25, 2020.

Other Commitments

In connection with our acquisitions, we have agreed to pay certain additional amounts contingent upon the achievement of certain agreed-upon technology, development, product, or other milestones or the continued employment with us of certain employees of the acquired entities. See Note 14 to the Consolidated Financial Statements.

We also have certain funding commitments primarily related to our non-marketable equity and other investments, some of which may be based on the achievement of certain agreed-upon milestones, and some of which are required to be funded on demand. The funding commitments were \$0.3 billion as of each of January 23, 2021 and July 25, 2020.

Off-Balance Sheet Arrangements

We consider our investments in unconsolidated variable interest entities to be off-balance sheet arrangements. In the ordinary course of business, we have non-marketable equity and other investments and provide financing to certain customers. Certain of these investments are considered to be variable interest entities. We evaluate on an ongoing basis our non-marketable equity and other investments and customer financings, and we have determined that as of January 23, 2021 there were no material unconsolidated variable interest entities.

On an ongoing basis, we reassess our non-marketable equity and other investments and customer financings to determine if they are variable interest entities and if we would be regarded as the primary beneficiary pursuant to the applicable accounting guidance. As a result of this ongoing assessment, we may be required to make additional disclosures or consolidate these entities. Because we may not control these entities, we may not have the ability to influence these events.

We provide financing guarantees, which are generally for various third-party financing arrangements extended to our channel partners and end-user customers. We could be called upon to make payments under these guarantees in the event of nonpayment by the channel partners or end-user customers. See the previous discussion of these financing guarantees under "Financing Receivables and Guarantees."

Liquidity and Capital Resource Requirements

While the COVID-19 pandemic has not materially impacted our liquidity and capital resources to date, it has led to increased disruption and volatility in capital markets and credit markets. The pandemic and resulting economic uncertainty could adversely affect our liquidity and capital resources in the future. Based on past performance and current expectations, we believe our cash and cash equivalents, investments, cash generated from operations, and ability to access capital markets and committed credit lines will satisfy, through at least the next 12 months, our liquidity requirements, both in total and domestically, including the following: working capital needs, capital expenditures, investment requirements, stock repurchases, cash dividends, contractual obligations, commitments, principal and interest payments on debt, pending acquisitions, future customer financings, and other liquidity requirements associated with our operations. There are no other transactions,

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arrangements, or relationships with unconsolidated entities or other persons that are reasonably likely to materially affect the liquidity and the availability of, as well as our requirements for, capital resources.

Item 3. Quantitative and Qualitative Disclosures About Market Risk

Our financial position is exposed to a variety of risks, including interest rate risk, equity price risk, and foreign currency exchange risk. We have seen an increase in these risks and related uncertainties with increased volatility in the financial markets in the current environment with the COVID-19 pandemic.

Interest Rate Risk

Available-for-Sale Debt Investments We maintain an investment portfolio of various holdings, types, and maturities. Our primary objective for holding available-for-sale debt investments is to achieve an appropriate investment return consistent with preserving principal and managing risk. At any time, a sharp rise in market interest rates could have a material adverse impact on the fair value of our available-for-sale debt investment portfolio. Conversely, declines in interest rates as has also happened recently, including the impact from lower credit spreads, could have a material adverse impact on interest income for our investment portfolio. We may utilize derivative instruments designated as hedging instruments to achieve our investment objectives. We had no outstanding hedging instruments for our available-for-sale debt investments as of January 23, 2021. Our available-for-sale debt investments are held for purposes other than trading. Our available-for-sale debt investments are not leveraged as of January 23, 2021. We monitor our interest rate and credit risks, including our credit exposures to specific rating categories and to individual issuers. We believe the overall credit quality of our portfolio is strong.

Financing Receivables As of January 23, 2021, our financing receivables had a carrying value of \$10.1 billion, compared with \$10.8 billion as of July 25, 2020. As of January 23, 2021, a hypothetical 50 basis points (“BPS”) increase or decrease in market interest rates would change the fair value of our financing receivables by a decrease or increase of approximately \$0.1 billion, respectively.

Debt As of January 23, 2021, we had \$14.5 billion in principal amount of senior fixed-rate notes outstanding. The carrying amount of the senior notes was \$14.6 billion, and the related fair value based on market prices was \$16.8 billion. As of January 23, 2021, a hypothetical 50 BPS increase or decrease in market interest rates would change the fair value of the fixed-rate debt, excluding the \$2.5 billion of hedged debt, by a decrease or increase of approximately \$0.5 billion, respectively. However, this hypothetical change in interest rates would not impact the interest expense on the fixed-rate debt that is not hedged.

Equity Price Risk

Marketable Equity Investments. The fair value of our marketable equity investments is subject to market price volatility. We hold equity securities for strategic purposes or to diversify our overall investment portfolio. These equity securities are held for purposes other than trading. The total fair value of our marketable equity securities was \$5 million as of January 23, 2021. We had no outstanding marketable equity securities as of July 25, 2020.

Non-marketable Equity and Other Investments These investments are recorded in other assets in our Consolidated Balance Sheets. The total carrying amount of our investments in non-marketable equity and other investments was \$1.3 billion as of each of January 23, 2021 and July 25, 2020. Some of these companies in which we invested are in the startup or development stages. These investments are inherently risky because the markets for the technologies or products these companies are developing are typically in the early stages and may never materialize. We could lose our entire investment in these companies. Our evaluation of non-marketable equity and other investments is based on the fundamentals of the businesses invested in, including, among other factors, the nature of their technologies and potential for financial return.

Foreign Currency Exchange Risk

Our foreign exchange forward contracts outstanding as of the respective period-ends are summarized in U.S. dollar equivalents as follows (in millions):

	January 23, 2021		July 25, 2020	
	Notional Amount	Fair Value	Notional Amount	Fair Value
Forward contracts:				
Purchased	\$ 3,032	\$ 14	\$ 2,441	\$ 1
Sold	\$ 1,807	\$ (16)	\$ 1,874	\$ 4

At January 23, 2021 and July 25, 2020, we had no option contracts outstanding.

We conduct business globally in numerous currencies. The direct effect of foreign currency fluctuations on revenue has not been material because our revenue is primarily denominated in U.S. dollars. However, if the U.S. dollar strengthens relative to other currencies, such strengthening could have an indirect effect on our revenue to the extent it raises the cost of our products to non-U.S. customers and thereby reduces demand. A weaker U.S. dollar could have the opposite effect. However, the precise

indirect effect of currency fluctuations is difficult to measure or predict because our revenue is influenced by many factors in addition to the impact of such currency fluctuations.

Approximately 70% of our operating expenses are U.S.-dollar denominated. In the first six months of fiscal 2021, foreign currency fluctuations, net of hedging, increased our combined R&D, sales and marketing, and G&A expenses by approximately \$43 million, or 0.5%, compared with the first six months of fiscal 2020. To reduce variability in operating expenses and service cost of sales caused by non-U.S.-dollar denominated operating expenses and costs, we may hedge certain forecasted foreign currency transactions with currency options and forward contracts. These hedging programs are not designed to provide foreign currency protection over long time horizons. In designing a specific hedging approach, we consider several factors, including offsetting exposures, significance of exposures, costs associated with entering into a particular hedge instrument, and potential effectiveness of the hedge. The gains and losses on foreign exchange contracts mitigate the effect of currency movements on our operating expenses and service cost of sales.

We also enter into foreign exchange forward and option contracts to reduce the short-term effects of foreign currency fluctuations on receivables and payables that are denominated in currencies other than the functional currencies of the entities. The market risks associated with these foreign currency receivables and payables relate primarily to variances from our forecasted foreign currency transactions and balances. We do not enter into foreign exchange forward or option contracts for speculative purposes.

Item 4. Controls and Procedures

Evaluation of disclosure controls and procedures. Based on our management’s evaluation (with the participation of our principal executive officer and principal financial officer), as of the end of the period covered by this report, our principal executive officer and principal financial officer have concluded that our disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) under the Securities Exchange Act of 1934, as amended, (the “Exchange Act”)) are effective to ensure that information required to be disclosed by us in reports that we file or submit under the Exchange Act is recorded, processed, summarized and reported within the time periods specified in Securities and Exchange Commission rules and forms and is accumulated and communicated to our management, including our principal executive officer and principal financial officer, as appropriate to allow timely decisions regarding required disclosure.

Changes in internal control over financial reporting. There was no change in our internal control over financial reporting (as defined in Rules 13a-15(f) and 15d-15(f) under the Exchange Act) during our second quarter of fiscal 2021 that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting.

PART II. OTHER INFORMATION

Item 1. Legal Proceedings

For a description of our material pending legal proceedings, see Note 14 “Commitments and Contingencies-(f) Legal Proceedings” of the Notes to Consolidated Financial Statements included in Item 1 of this Form 10-Q.

Item 1A. Risk Factors

Set forth below and elsewhere in this report and in other documents we file with the SEC are descriptions of the risks and uncertainties that could cause our actual results to differ materially from the results contemplated by the forward-looking statements contained in this report. The descriptions below include any material changes to and supersede the description of the risk factors affecting our business previously disclosed in “Part I, Item 1A. Risk Factors” of our Annual Report on Form 10-K for the fiscal year ended July 25, 2020.

Risks Related to our Business and Industry

Our business, results of operations and financial condition have been adversely affected and could in the future be materially adversely affected by the COVID-19 pandemic.

The COVID-19 pandemic and the resulting containment measures have caused economic and financial disruptions globally, including in most of the regions in which we sell our products and services and conduct our business operations. In the second half of fiscal 2020, the COVID-19 pandemic had an impact on our financial results and business operations, with a significant impact in the third quarter of fiscal 2020 on our supply chain where we saw manufacturing challenges and component constraints. The magnitude and duration of the disruption, its continuing impact on us, and resulting decline in global business activity is uncertain. These disruptions include the unprecedented actions taken to try to contain the pandemic such as travel bans and restrictions, business closures, and social distancing measures, such as quarantines and shelter-in-place orders.

The COVID-19 pandemic and the responsive measures taken in many countries have adversely affected and could in the future materially adversely affect our business, results of operations and financial condition. Shelter-in-place orders and other measures, including work-from-home and other policies implemented to protect workers, has and could in the future impact our supply chain. Such disruptions may continue, or worsen, in the future. In addition, current and future restrictions or disruptions of transportation, such as reduced availability of air transport, port closures, and increased border controls or closures, can also impact our ability to meet customer demand and could materially adversely affect us. Our customers have also experienced, and may continue to experience, disruptions in their operations, which can result in delayed, reduced, or canceled orders, and increased collection risks, and which may adversely affect our results of operations. The COVID-19 pandemic may also result in long-term changes in customer needs for our products and services in various sectors, along with IT-related capital spending reductions, or shifts in spending focus, that could materially adversely affect us if we are unable to adjust our product and service offerings to match customer needs.

The recent shift to a remote working environment also creates challenges. For example, governmental lockdowns, restrictions or new regulations has and could in the future impact the ability of our employees and vendors to work with the same speed and productivity in certain areas, even as other areas do not see negative impact. The extent and/or duration of ongoing workforce restrictions and limitations could impact our ability to enhance, develop and support existing products and services, and hold product sales and marketing events to the extent we were able to previously. In addition, malefactors are seeking to use the COVID-19 pandemic to launch new cyber-attacks. The COVID-19 pandemic has also led to increased disruption and volatility in capital markets and credit markets. The pandemic and resulting economic uncertainty could adversely affect our liquidity and capital resources in the future. The inputs into certain of our judgments, assumptions, and estimates considered the economic implications of the COVID-19 pandemic on our critical and significant accounting estimates. The actual results that we experience may differ materially from our estimates. As the COVID-19 pandemic continues to develop, many of our estimates could require increased judgment and carry a higher degree of variability and volatility. As events continue to evolve our estimates may change materially in future periods.

We are continuing to monitor the pandemic and take appropriate actions in accordance with the recommendations and requirements of relevant authorities. The extent of the impact of the COVID-19 pandemic on our operational and financial performance is currently uncertain and will depend on many factors outside our control, including, without limitation, the timing, extent, trajectory and duration of the pandemic, the development and availability of effective treatments and vaccines, the imposition of protective public safety measures, and the impact of the pandemic on the global economy. Potential negative impacts of these external factors include, but are not limited to, material adverse effects on demand for our products and services; our supply chain and sales and distribution channels; collectability of customer accounts; our ability to execute strategic plans; impairments; and our profitability and cost structure. To the extent the COVID-19 pandemic adversely affects our business, results of operations and financial condition, it may also have the effect of exacerbating the other risks discussed in this “Risk Factors” section.

Our operating results may fluctuate in future periods, which may adversely affect our stock price.

Our operating results have been in the past, and will continue to be, subject to quarterly and annual fluctuations as a result of numerous factors, some of which may contribute to more pronounced fluctuations in an uncertain global economic environment. These factors include:

- Fluctuations in demand for our products and services, especially with respect to service providers and Internet businesses, in part due to changes in the global economic environment
- Changes in sales and implementation cycles for our products and reduced visibility into our customers' spending plans and associated revenue
- Our ability to maintain appropriate inventory levels and purchase commitments
- Price and product competition in the communications and networking industries, which can change rapidly due to technological innovation and different business models from various geographic regions
- The overall movement toward industry consolidation among both our competitors and our customers
- The introduction and market acceptance of new technologies and products, and our success in new and evolving markets, and in emerging technologies, as well as the adoption of new standards
- The transformation of our business to deliver more software and subscription offerings where revenue is recognized over time
- Variations in sales channels, product costs, mix of products sold, or mix of direct sales and indirect sales
- The timing, size, and mix of orders from customers
- Manufacturing and customer lead times
- Fluctuations in our gross margins, and the factors that contribute to such fluctuations
- The ability of our customers, channel partners, contract manufacturers and suppliers to obtain financing or to fund capital expenditures, especially during a period of global credit market disruption or in the event of customer, channel partner, contract manufacturer or supplier financial problems
- Actual events, circumstances, outcomes, and amounts differing from judgments, assumptions, and estimates used in determining the values of certain assets (including the amounts of related valuation allowances), liabilities, and other items reflected in our Consolidated Financial Statements
- How well we execute on our strategy and operating plans and the impact of changes in our business model that could result in significant restructuring charges
- Our ability to achieve targeted cost reductions
- Benefits anticipated from our investments
- Changes in tax laws or accounting rules, or interpretations thereof

As a consequence, operating results for a particular future period are difficult to predict, and, therefore, prior results are not necessarily indicative of results to be expected in future periods. Any of the foregoing factors, or any other factors discussed elsewhere herein, could have a material adverse effect on our business, results of operations, and financial condition that could adversely affect our stock price.

Our operating results may be adversely affected by unfavorable economic and market conditions and the uncertain geopolitical environment.

Challenging economic conditions worldwide have from time to time contributed, and may continue to contribute, to slowdowns in the communications and networking industries at large, as well as in specific segments and markets in which we operate, resulting in: reduced demand for our products as a result of continued constraints on IT-related capital spending by our customers, particularly service providers, and other customer markets as well; increased price competition for our products, not only from our competitors but also as a consequence of customers disposing of unutilized products; risk of excess and obsolete inventories; risk of supply constraints; risk of excess facilities and manufacturing capacity; and higher overhead costs as a percentage of revenue and higher interest expense.

The global macroeconomic environment continues to be challenging and inconsistent, and is being significantly impacted by the COVID-19 pandemic. During fiscal 2020 and the first quarter of fiscal 2021, we continued to see a broad-based weakening in the global macroeconomic environment which impacted our commercial and enterprise markets. We also experienced continuing weakness in emerging countries, and we expect ongoing uncertainty in this market. Additionally, instability in the global credit markets, the impact of uncertainty regarding global central bank monetary policy, the instability in the geopolitical environment in many parts of the world including as a result of the United Kingdom "Brexit" withdrawal from the European Union, the current economic challenges in China, including global economic ramifications of Chinese economic difficulties,

and other disruptions may continue to put pressure on global economic conditions. If global economic and market conditions, or economic conditions in key markets, remain uncertain or deteriorate further, we may experience material impacts on our business, operating results, and financial condition.

Our operating results in one or more segments may also be affected by uncertain or changing economic conditions particularly germane to that segment or to particular customer markets within that segment. In addition, reports of certain intelligence gathering methods of the U.S. government could affect customers' perception of the products of IT companies which design and manufacture products in the United States. Trust and confidence in us as an IT supplier are critical to the development and growth of our markets. Impairment of that trust, or foreign regulatory actions taken in response to reports of certain intelligence gathering methods of the U.S. government, could affect the demand for our products from customers outside of the United States and could have an adverse effect on our operating results.

Our revenue for a particular period is difficult to predict, and a shortfall in revenue may harm our operating results.

As a result of a variety of factors discussed in this report, our revenue for a particular quarter is difficult to predict, especially in light of a challenging and inconsistent global macroeconomic environment, the significant impacts of the COVID-19 pandemic, and related market uncertainty. Our revenue may grow at a slower rate than in past periods or decline as it did in the first quarter of fiscal 2021 and fiscal 2020, and in certain prior periods on a year-over-year basis. Our ability to meet financial expectations could also be adversely affected if the nonlinear sales pattern seen in some of our past quarters recurs in future periods. We have experienced periods of time during which shipments have exceeded net bookings or manufacturing issues have delayed shipments, leading to nonlinearity in shipping patterns. In addition to making it difficult to predict revenue for a particular period, nonlinearity in shipping can increase costs, because irregular shipment patterns result in periods of underutilized capacity and periods in which overtime expenses may be incurred, as well as in potential additional inventory management-related costs. In addition, to the extent that manufacturing issues and any related component shortages in delayed shipments in the future, and particularly in periods in which our contract manufacturers are operating at higher levels of capacity, it is possible that revenue for a quarter could be adversely affected if such matters occur and are not remediated within the same quarter.

The timing of large orders can also have a significant effect on our business and operating results from quarter to quarter. From time to time, we receive large orders that have a significant effect on our operating results in the period in which the order is recognized as revenue. The timing of such orders is difficult to predict, and the timing of revenue recognition from such orders may affect period to period changes in revenue. As a result, our operating results could vary materially from quarter to quarter based on the receipt of such orders and their ultimate recognition as revenue. Further, our efforts to improve manufacturing lead-time performance may result in more variability and less predictability in our revenue and operating results. In addition, when facing component supply-related challenges we have increased our efforts in procuring components in order to meet customer expectations, which in turn contribute to an increase in purchase commitments. Increases in our purchase commitments to shorten lead times could also lead to excess and obsolete inventory charges if the demand for our products is less than our expectations. We plan our operating expense levels based primarily on forecasted revenue levels. These expenses and the impact of long-term commitments are relatively fixed in the short term. A shortfall in revenue could lead to operating results being below expectations because we may not be able to quickly reduce these fixed expenses in response to short-term business changes. Any of the above factors could have a material adverse impact on our operations and financial results.

Supply chain issues, including financial problems of contract manufacturers or component suppliers, or a shortage of adequate component supply or manufacturing capacity that increase our costs or cause a delay in our ability to fulfill orders, could have an adverse impact on our business and operating results, and our failure to estimate customer demand properly may result in excess or obsolete component supply, which could adversely affect our gross margins.

The fact that we do not own or operate the bulk of our manufacturing facilities and that we are reliant on our extended supply chain could have an adverse impact on the supply of our products and on our business and operating results. Financial problems of either contract manufacturers or component suppliers, reservation of manufacturing capacity at our contract manufacturers by other companies, and industry consolidation occurring within one or more component supplier markets, such as the semiconductor market, in each case, could either limit supply or increase costs.

A reduction or interruption in supply, including disruptions on our global supply chain as a result of the COVID-19 pandemic; a significant increase in the price of one or more components; a failure to adequately authorize procurement of inventory by our contract manufacturers; a failure to appropriately cancel, reschedule, or adjust our requirements based on our business needs; or a decrease in demand for our products could materially adversely affect our business, operating results, and financial condition and could materially damage customer relationships. Furthermore, as a result of binding price or purchase commitments with suppliers, we may be obligated to purchase components at prices that are higher than those available in the current market. In the event that we become committed to purchase components at prices in excess of the current market price when the components are actually used, our gross margins could decrease. We have experienced longer than normal lead times in the

past. In addition, vendors may be under pressure to allocate product to certain customers for business, regulatory or political reasons, and/or demand changes in agreed pricing as a condition of supply. Although we have generally secured additional supply or taken other mitigation actions when significant disruptions have occurred, if similar situations occur in the future, they could have a material adverse effect on our business, results of operations, and financial condition.

Our growth and ability to meet customer demands depend in part on our ability to obtain timely deliveries of parts from our suppliers and contract manufacturers. We have experienced component shortages in the past, including shortages caused by manufacturing process issues, that have affected our operations. We may in the future experience a shortage of certain component parts as a result of our own manufacturing issues, manufacturing issues at our suppliers or contract manufacturers, capacity problems experienced by our suppliers or contract manufacturers including capacity or cost problems resulting from industry consolidation, or strong demand for those parts. Growth in the economy is likely to create greater pressures on us and our suppliers to accurately project overall component demand and component demands within specific product categories and to establish optimal component levels and manufacturing capacity, especially for labor-intensive components, components for which we purchase a substantial portion of the supply, or the re-ramping of manufacturing capacity for highly complex products. During periods of shortages or delays the price of components may increase, or the components may not be available at all, and we may also encounter shortages if we do not accurately anticipate our needs. We may not be able to secure enough components at reasonable prices or of acceptable quality to build new products in a timely manner in the quantities or configurations needed. Accordingly, our revenue and gross margins could suffer until other sources can be developed. For example, there is currently a market shortage of semiconductor supply which could affect the price of that supply, or which could cause a disruption in our ability to meet customer demand for our products if we cannot secure sufficient supply in a timely manner.

Our operating results would also be adversely affected if, anticipating greater demand than actually develops, we commit to the purchase of more components than we need, which is more likely to occur in a period of demand uncertainties such as we are currently experiencing. There can be no assurance that we will not encounter these problems in the future. Although in many cases we use standard parts and components for our products, certain components are presently available only from a single source or limited sources, and a global economic downturn and related market uncertainty could negatively impact the availability of components from one or more of these sources, especially during times such as we have recently seen when there are supplier constraints based on labor and other actions taken during economic downturns. We may not be able to diversify sources in a timely manner, which could harm our ability to deliver products to customers and seriously impact present and future sales.

We believe that we may be faced with the following challenges in the future: new markets in which we participate may grow quickly, which may make it difficult to quickly obtain significant component capacity; as we acquire companies and new technologies, we may be dependent on unfamiliar supply chains or relatively small supply partners; and we face competition for certain components that are supply-constrained, from existing competitors, and companies in other markets.

Manufacturing capacity and component supply constraints could continue to be significant issues for us. We purchase components from a variety of suppliers and use several contract manufacturers to provide manufacturing services for our products. During the normal course of business, in order to improve manufacturing lead-time performance and to help ensure adequate component supply, we enter into agreements with contract manufacturers and suppliers that either allow them to procure inventory based upon criteria as defined by us or that establish the parameters defining our requirements. In certain instances, these agreements allow us the option to cancel, reschedule, and adjust our requirements based on our business needs prior to firm orders being placed. When facing component supply-related challenges we have increased our efforts in procuring components in order to meet customer expectations, which in turn contributes to an increase in purchase commitments. Increases in our purchase commitments to shorten lead times could also lead to excess and obsolete inventory charges if the demand for our products is less than our expectations. If we fail to anticipate customer demand properly, an oversupply of parts could result in excess or obsolete components that could adversely affect our gross margins. For additional information regarding our purchase commitments with contract manufacturers and suppliers, see Note 14 to the Consolidated Financial Statements.

We expect gross margin to vary over time, and our level of product gross margin may not be sustainable.

Our level of product gross margins declined in the first half of fiscal 2021 and have declined in certain prior periods on a year-over-year basis, and could decline in future periods due to adverse impacts from various factors, including:

- Changes in customer, geographic, or product mix, including mix of configurations within each product group
- Introduction of new products, including products with price-performance advantages, and new business models including the transformation of our business to deliver more software and subscription offerings
- Our ability to reduce production costs

- Entry into new markets or growth in lower margin markets, including markets with different pricing and cost structures, through acquisitions or internal development
- Sales discounts
- Increases in material, labor or other manufacturing-related costs, which could be significant especially during periods of supply constraints such as those impacting the market for memory components
- Excess inventory, inventory holding charges, and obsolescence charges
- Changes in shipment volume
- The timing of revenue recognition and revenue deferrals
- Increased cost (including those caused by tariffs), loss of cost savings or dilution of savings due to changes in component pricing or charges incurred due to inventory holding periods if parts ordering does not correctly anticipate product demand or if the financial health of either contract manufacturers or suppliers deteriorates
- Lower than expected benefits from value engineering
- Increased price competition, including competitors from Asia, especially from China
- Changes in distribution channels
- Increased warranty or royalty costs
- Increased amortization of purchased intangible assets, especially from acquisitions
- How well we execute on our strategy and operating plans

Changes in service gross margin may result from various factors such as changes in the mix between technical support services and advanced services, as well as the timing of technical support service contract initiations and renewals and the addition of personnel and other resources to support higher levels of service business in future periods.

Sales to the service provider market are especially volatile, and weakness in orders from this industry may harm our operating results and financial condition.

Sales to the service provider market have been characterized by large and sporadic purchases, especially relating to our router sales and sales of certain other Infrastructure Platforms and Applications products, in addition to longer sales cycles. Service provider product orders decreased during the first quarter of fiscal 2021 and in certain prior periods, and at various times in the past, including in recent quarters, we have experienced significant weakness in product orders from service providers. Product orders from the service provider market could continue to decline and, as has been the case in the past, such weakness could persist over extended periods of time given fluctuating market conditions. Sales activity in this industry depends upon the stage of completion of expanding network infrastructures; the availability of funding; and the extent to which service providers are affected by regulatory, economic, and business conditions in the country of operations. Weakness in orders from this industry, including as a result of any slowdown in capital expenditures by service providers (which may be more prevalent during a global economic downturn, or periods of economic, political or regulatory uncertainty), could have a material adverse effect on our business, operating results, and financial condition. Such slowdowns may continue or recur in future periods. Orders from this industry could decline for many reasons other than the competitiveness of our products and services within their respective markets. For example, in the past, many of our service provider customers have been materially and adversely affected by slowdowns in the general economy, by overcapacity, by changes in the service provider market, by regulatory developments, and by constraints on capital availability, resulting in business failures and substantial reductions in spending and expansion plans. These conditions have materially harmed our business and operating results in the past, and could affect our business and operating results in any future period. Finally, service provider customers typically have longer implementation cycles; require a broader range of services, including design services; demand that vendors take on a larger share of risks; often require acceptance provisions, which can lead to a delay in revenue recognition; and expect financing from vendors. All these factors can add further risk to business conducted with service providers.

Disruption of or changes in our distribution model could harm our sales and margins.

If we fail to manage distribution of our products and services properly, or if our distributors' financial condition or operations weaken, our revenue and gross margins could be adversely affected. A substantial portion of our products and services is sold through our channel partners, and the remainder is sold through direct sales. Our channel partners include systems integrators, service providers, other resellers, and distributors. Systems integrators and service providers typically sell directly to end users and often provide system installation, technical support, professional services, and other support services in addition to network equipment sales. Systems integrators also typically integrate our products into an overall solution, and a number of service providers are also systems integrators. Distributors stock inventory and typically sell to systems integrators, service providers, and other resellers. We refer to sales through distributors as our two-tier system of sales to the end customer. If sales through

indirect channels increase, this may lead to greater difficulty in forecasting the mix of our products and, to a degree, the timing of orders from our customers.

Historically, we have seen fluctuations in our gross margins based on changes in the balance of our distribution channels. There can be no assurance that changes in the balance of our distribution model in future periods would not have an adverse effect on our gross margins and profitability. Some factors could result in disruption of or changes in our distribution model, which could harm our sales and margins, including the following: competition with some of our channel partners, including through our direct sales, which may lead these channel partners to use other suppliers that do not directly sell their own products or otherwise compete with them; some of our channel partners may demand that we absorb a greater share of the risks that their customers may ask them to bear; some of our channel partners may have insufficient financial resources and may not be able to withstand changes and challenges in business conditions; and revenue from indirect sales could suffer if our distributors' financial condition or operations weaken. In addition, we depend on our channel partners globally to comply with applicable regulatory requirements. To the extent that they fail to do so, that could have a material adverse effect on our business, operating results, and financial condition. Further, sales of our products outside of agreed territories can result in disruption to our distribution channels.

The markets in which we compete are intensely competitive, which could adversely affect our achievement of revenue growth.

The markets in which we compete are characterized by rapid change, converging technologies, and a migration to networking and communications solutions that offer relative advantages. These market factors represent a competitive threat to us. We compete with numerous vendors in each product category. The overall number of our competitors providing niche product solutions may increase. Also, the identity and composition of competitors may change as we increase our activity in newer product areas, and in key priority and growth areas. For example, as products related to network programmability, such as software defined networking (SDN) products, become more prevalent, we expect to face increased competition from companies that develop networking products based on commoditized hardware, referred to as "white box" hardware, to the extent customers decide to purchase those product offerings instead of ours. In addition, the growth in demand for technology delivered as a service enables new competitors to enter the market. As we continue to expand globally, we may see new competition in different geographic regions. In particular, we have experienced price-focused competition from competitors in Asia, especially from China, and we anticipate this will continue. Our competitors (in each case relative to only some of our products or services) include: Amazon Web Services LLC; Arista Networks, Inc.; Broadcom Inc.; CommScope Holding Company, Inc.; Check Point Software Technologies Ltd.; Dell Technologies Inc.; Dynatrace; F5 Networks, Inc.; FireEye, Inc.; Fortinet, Inc.; Hewlett-Packard Enterprise Company; Huawei Technologies Co., Ltd.; Juniper Networks, Inc.; Lenovo Group Limited; LogMeIn, Inc.; Microsoft Corporation; New Relic, Inc.; Nokia Corporation; Nutanix, Inc.; Palo Alto Networks, Inc.; RingCentral, Inc.; Slack Technologies, Inc.; Ubiquiti Networks; VMware, Inc.; Zoom Video Communications, Inc.; and Zscaler, Inc.; among others.

Some of our competitors compete across many of our product lines, while others are primarily focused in a specific product area. Barriers to entry are relatively low, and new ventures to create products that do or could compete with our products are regularly formed. In addition, some of our competitors may have greater resources, including technical and engineering resources, than we do. As we expand into new markets, we will face competition not only from our existing competitors but also from other competitors, including existing companies with strong technological, marketing, and sales positions in those markets. We also sometimes face competition from resellers and distributors of our products. Companies with which we have strategic alliances in some areas may be competitors in other areas, and this trend may increase. For example, the enterprise data center is undergoing a fundamental transformation arising from the convergence of technologies, including computing, networking, storage, and software, that previously were segregated. Due to several factors, including the availability of highly scalable and general purpose microprocessors, ASICs offering advanced services, standards based protocols, cloud computing and virtualization, the convergence of technologies within the enterprise data center is spanning multiple, previously independent, technology segments. Also, some of our current and potential competitors for enterprise data center business have made acquisitions, or announced new strategic alliances, designed to position them to provide end-to-end technology solutions for the enterprise data center. As a result of all of these developments, we face greater competition in the development and sale of enterprise data center technologies, including competition from entities that are among our long-term strategic alliance partners. Companies that are strategic alliance partners in some areas of our business may acquire or form alliances with our competitors, thereby reducing their business with us.

The principal competitive factors in the markets in which we presently compete and may compete in the future include the ability to sell successful business outcomes; the ability to provide a broad range of networking and communications products and services; product performance; price; the ability to introduce new products, including providing continuous new customer value and products with price-performance advantages; the ability to reduce production costs; the ability to provide value-added

features such as security, reliability, and investment protection; conformance to standards; market presence; the ability to provide financing; and disruptive technology shifts and new business models.

We also face competition from customers to which we license or supply technology and suppliers from which we transfer technology. The inherent nature of networking requires interoperability. As such, we must cooperate and at the same time compete with many companies. Any inability to effectively manage these complicated relationships with customers, suppliers, and strategic alliance partners could have a material adverse effect on our business, operating results, and financial condition and accordingly affect our chances of success.

If we do not successfully manage our strategic alliances, we may not realize the expected benefits from such alliances, and we may experience increased competition or delays in product development.

We have several strategic alliances with large and complex organizations and other companies with which we work to offer complementary products and services and, in the past, have established a joint venture to market services associated with our Cisco Unified Computing System products. These arrangements are generally limited to specific projects, the goal of which is generally to facilitate product compatibility and adoption of industry standards. There can be no assurance we will realize the expected benefits from these strategic alliances or from the joint venture. If successful, these relationships may be mutually beneficial and result in industry growth. However, alliances carry an element of risk because, in most cases, we must compete in some business areas with a company with which we have a strategic alliance and, at the same time, cooperate with that company in other business areas. Also, if these companies fail to perform or if these relationships fail to materialize as expected, we could suffer delays in product development or other operational difficulties. Joint ventures can be difficult to manage, given the potentially different interests of joint venture partners.

Inventory management relating to our sales to our two-tier distribution channel is complex, and excess inventory may harm our gross margins.

We must manage inventory relating to sales to our distributors effectively, because inventory held by them could affect our results of operations. Our distributors may increase orders during periods of product shortages, cancel orders if their inventory is too high, or delay orders in anticipation of new products. They also may adjust their orders in response to the supply of our products and the products of our competitors that are available to them, and in response to seasonal fluctuations in end-user demand. Our distributors are generally given business terms that allow them to return a portion of inventory, receive credits for changes in selling price, and participate in various cooperative marketing programs. Inventory management remains an area of focus as we balance the need to maintain strategic inventory levels to ensure competitive lead times against the risk of inventory obsolescence because of rapidly changing technology and customer requirements. When facing component supply-related challenges, we have increased our efforts in procuring components in order to meet customer expectations. If we ultimately determine that we have excess inventory, we may have to reduce our prices and write down inventory, which in turn could result in lower gross margins.

We depend upon the development of new products and services, and enhancements to existing products and services, and if we fail to predict and respond to emerging technological trends and customers' changing needs, our operating results and market share may suffer.

The markets for our products and services are characterized by rapidly changing technology, evolving industry standards, new product and service introductions, and evolving methods of building and operating networks. Our operating results depend on our ability to develop and introduce new products and services into existing and emerging markets and to reduce the production costs of existing products. If customers do not purchase and/or renew our offerings our business could be harmed. The COVID-19 pandemic may also result in long-term changes in customer needs for our products and services in various sectors, along with IT-related capital spending reductions, or shifts in spending focus, that could materially adversely affect us if we are unable to adjust our product and service offerings to match customer needs.

The process of developing new technology, including intent-based networking, more programmable, flexible and virtual networks, and technology related to other market transitions- such as security, digital transformation and IoT, and cloud- is complex and uncertain, and if we fail to accurately predict customers' changing needs and emerging technological trends our business could be harmed. We must commit significant resources, including the investments we have been making in our strategic priorities to developing new products and services before knowing whether our investments will result in products and services the market will accept. In particular, if our model of the evolution of networking does not emerge as we believe it will, or if the industry does not evolve as we believe it will, or if our strategy for addressing this evolution is not successful, many of our strategic initiatives and investments may be of no or limited value. For example, if we do not introduce products related to network programmability, such as software-defined-networking products, in a timely fashion, or if product offerings in this market that ultimately succeed are based on technology, or an approach to technology, that differs from ours, such as, for example, networking products based on "white box" hardware, our business could be harmed. Similarly, our business could be harmed if we fail to develop, or fail to develop in a timely fashion, offerings to address other transitions, or if the offerings

addressing these other transitions that ultimately succeed are based on technology, or an approach to technology, different from ours. In addition, our business could be adversely affected in periods surrounding our new product introductions if customers delay purchasing decisions to qualify or otherwise evaluate the new product offerings. We have also been transforming our business to move from selling individual products and services to selling products and services integrated into architectures and solutions, and we are seeking to meet the evolving needs of customers which include offering our products and solutions in the manner in which customers wish to consume them. As a part of this transformation, we continue to make changes to how we are organized and how we build and deliver our technology, including changes in our business models with customers. If our strategy for addressing our customer needs, or the architectures and solutions we develop do not meet those needs, or the changes we are making in how we are organized and how we build and deliver or technology is incorrect or ineffective, our business could be harmed.

Furthermore, we may not execute successfully on our vision or strategy because of challenges with regard to product planning and timing, technical hurdles that we fail to overcome in a timely fashion, or a lack of appropriate resources. This could result in competitors, some of which may also be our strategic alliance partners, providing those solutions before we do and loss of market share, revenue, and earnings. In addition, the growth in demand for technology delivered as a service enables new competitors to enter the market. The success of new products and services depends on several factors, including proper new product and service definition, component costs, timely completion and introduction of these products and services, differentiation of new products and services from those of our competitors, and market acceptance of these products and services. There can be no assurance that we will successfully identify new product and services opportunities, develop and bring new products and services to market in a timely manner, or achieve market acceptance of our products and services or that products, services and technologies developed by others will not render our products, services or technologies obsolete or noncompetitive. The products and technologies in our other product categories and key priority and growth areas may not prove to have the market success we anticipate, and we may not successfully identify and invest in other emerging or new products and services.

Changes in industry structure and market conditions could lead to charges related to discontinuances of certain of our products or businesses, asset impairments and workforce reductions or restructurings.

In response to changes in industry and market conditions, we may be required to strategically realign our resources and to consider restructuring, disposing of, or otherwise exiting businesses. Any resource realignment, or decision to limit investment in or dispose of or otherwise exit businesses, may result in the recording of special charges, such as inventory and technology-related write-offs, workforce reduction or restructuring costs, charges relating to consolidation of excess facilities, or claims from third parties who were resellers or users of discontinued products. Our estimates with respect to the useful life or ultimate recoverability of our carrying basis of assets, including purchased intangible assets, could change as a result of such assessments and decisions. Although in certain instances our supply agreements allow us the option to cancel, reschedule, and adjust our requirements based on our business needs prior to firm orders being placed, our loss contingencies may include liabilities for contracts that we cannot cancel with contract manufacturers and suppliers. Further, our estimates relating to the liabilities for excess facilities are affected by changes in real estate market conditions. Additionally, we are required to perform goodwill impairment tests on an annual basis and between annual tests in certain circumstances, and future goodwill impairment tests may result in a charge to earnings. We initiated a restructuring plan in the first quarter of fiscal 2021, which includes a voluntary early retirement program. The implementation of this restructuring plan may be disruptive to our business, and following completion of the restructuring plan our business may not be more efficient or effective than prior to implementation of the plan. Our restructuring activities, including any related charges and the impact of the related headcount restructurings, could have a material adverse effect on our business, operating results, and financial condition.

Over the long term we intend to invest in engineering, sales, service and marketing activities, and in key priority and growth areas, and these investments may achieve delayed, or lower than expected, benefits which could harm our operating results.

While we intend to focus on managing our costs and expenses, over the long term, we also intend to invest in personnel and other resources related to our engineering, sales, service and marketing functions as we realign and dedicate resources on key priority and growth areas, such as Security and Applications, and we also intend to focus on maintaining leadership in Infrastructure Platforms and in Services. We are likely to recognize the costs associated with these investments earlier than some of the anticipated benefits, and the return on these investments may be lower, or may develop more slowly, than we expect. If we do not achieve the benefits anticipated from these investments (including if our selection of areas for investment does not play out as we expect), or if the achievement of these benefits is delayed, our operating results may be adversely affected.

We have made and expect to continue to make acquisitions that could disrupt our operations and harm our operating results.

Our growth depends upon market growth, our ability to enhance our existing products, and our ability to introduce new products on a timely basis. We intend to continue to address the need to develop new products and enhance existing products through acquisitions of other companies, product lines, technologies, and personnel. Acquisitions involve numerous risks, including the following:

- Difficulties in integrating the operations, systems, technologies, products, and personnel of the acquired companies, particularly companies with large and widespread operations and/or complex products
- Diversion of management's attention from normal daily operations of the business and the challenges of managing larger and more widespread operations resulting from acquisitions
- Potential difficulties in completing projects associated with in-process research and development intangibles
- Difficulties in entering markets in which we have no or limited direct prior experience and where competitors in such markets have stronger market positions
- Initial dependence on unfamiliar supply chains or relatively small supply partners
- Insufficient revenue to offset increased expenses associated with acquisitions
- The potential loss of key employees, customers, distributors, vendors and other business partners of the companies we acquire following and continuing after announcement of acquisition plans

Acquisitions may also cause us to:

- Issue common stock that would dilute our current shareholders' percentage ownership
- Use a substantial portion of our cash resources, or incur debt
- Significantly increase our interest expense, leverage and debt service requirements if we incur additional debt to pay for an acquisition
- Assume liabilities
- Record goodwill and intangible assets that are subject to impairment testing on a regular basis and potential periodic impairment charges
- Incur amortization expenses related to certain intangible assets
- Incur tax expenses related to the effect of acquisitions on our legal structure
- Incur large write-offs and restructuring and other related expenses
- Become subject to intellectual property or other litigation

Mergers and acquisitions of high-technology companies are inherently risky and subject to many factors outside of our control, and no assurance can be given that our previous or future acquisitions will be successful and will not materially adversely affect our business, operating results, or financial condition. Failure to manage and successfully integrate acquisitions could materially harm our business and operating results. Prior acquisitions have resulted in a wide range of outcomes, from successful introduction of new products and technologies to a failure to do so. Even when an acquired company has already developed and marketed products, there can be no assurance that product enhancements will be made in a timely fashion or that pre-acquisition due diligence will have identified all possible issues that might arise with respect to such products. In addition, our effective tax rate for future periods is uncertain and could be impacted by mergers and acquisitions. Risks related to new product development also apply to acquisitions.

Entrance into new or developing markets exposes us to additional competition and will likely increase demands on our service and support operations.

As we focus on new market opportunities and key priority and growth areas, we will increasingly compete with large telecommunications equipment suppliers as well as startup companies. Several of our competitors may have greater resources, including technical and engineering resources, than we do. Additionally, as customers in these markets complete infrastructure deployments, they may require greater levels of service, support, and financing than we have provided in the past, especially in emerging countries. Demand for these types of service, support, or financing contracts may increase in the future. There can be no assurance that we can provide products, service, support, and financing to effectively compete for these market opportunities. Further, entry into other markets has subjected and will subject us to additional risks, particularly to those markets, including the effects of general market conditions and reduced consumer confidence. For example, as we add direct selling capabilities globally to meet changing customer demands, we will face increased legal and regulatory requirements.

Industry consolidation may lead to increased competition and may harm our operating results.

There is a continuing trend toward industry consolidation in our markets. We expect this trend to continue as companies attempt to strengthen or hold their market positions in an evolving industry and as companies are acquired or are unable to continue operations. For example, some of our current and potential competitors for enterprise data center business have made acquisitions, or announced new strategic alliances, designed to position them with the ability to provide end-to-end technology solutions for the enterprise data center. Companies that are strategic alliance partners in some areas of our business may acquire or form alliances with our competitors, thereby reducing their business with us. We believe that industry consolidation may result in stronger competitors that are better able to compete as sole-source vendors for customers. This could lead to more variability in our operating results and could have a material adverse effect on our business, operating results, and financial condition. Furthermore, particularly in the service provider market, rapid consolidation will lead to fewer customers, with the effect that loss of a major customer could have a material impact on results not anticipated in a customer marketplace composed of more numerous participants.

Product quality problems could lead to reduced revenue, gross margins, and net income.

We produce highly complex products that incorporate leading-edge technology, including both hardware and software. Software typically contains bugs that can unexpectedly interfere with expected operations. There can be no assurance that our pre-shipment testing programs will be adequate to detect all defects, either ones in individual products or ones that could affect numerous shipments, which might interfere with customer satisfaction, reduce sales opportunities, or affect gross margins. From time to time, we have had to replace certain components and provide remediation in response to the discovery of defects or bugs in products that we had shipped. There can be no assurance that such remediation, depending on the product involved, would not have a material impact. An inability to cure a product defect could result in the failure of a product line, temporary or permanent withdrawal from a product or market, damage to our reputation, inventory costs, or product reengineering expenses, any of which could have a material impact on our revenue, margins, and net income.

Due to the global nature of our operations, political or economic changes or other factors in a specific country or region could harm our operating results and financial condition.

We conduct significant sales and customer support operations in countries around the world. As such, our growth depends in part on increasing sales into emerging countries. We also depend on non-U.S. operations of our contract manufacturers, component suppliers and distribution partners. Our business in emerging countries in the aggregate experienced a decline in orders in the first half of fiscal 2021 and in certain prior periods. We continue to assess the sustainability of any improvements in our business in these countries and there can be no assurance that our investments in these countries will be successful. Our future results could be materially adversely affected by a variety of political, economic or other factors relating to our operations inside and outside the United States, any or all of which could have a material adverse effect on our operating results and financial condition, including the following: impacts from global central bank monetary policy; issues related to the political relationship between the United States and other countries that can affect regulatory matters, affect the willingness of customers in those countries to purchase products from companies headquartered in the United States or affect our ability to procure components if a government body were to deny us access to those components; government-related disruptions or shutdowns; the challenging and inconsistent global macroeconomic environment; foreign currency exchange rates; political or social unrest; economic instability or weakness or natural disasters in a specific country or region, including the current economic challenges in China and global economic ramifications of Chinese economic difficulties; instability as a result of Brexit; environmental protection regulations, trade protection measures such as tariffs, and other legal and regulatory requirements, some of which may affect our ability to import our products to, export our products from, or sell our products in various countries or affect our ability to procure components; political considerations that affect service provider and government spending patterns; health or similar issues, including pandemics or epidemics such as the COVID-19 pandemic which could continue to affect customer purchasing decisions; difficulties in staffing and managing international operations; and adverse tax consequences, including imposition of withholding or other taxes on our global operations.

We are exposed to the credit risk of some of our customers and to credit exposures in weakened markets, which could result in material losses.

Most of our sales are on an open credit basis, with typical payment terms of 30 days in the United States and, because of local customs or conditions, longer in some markets outside the United States. Beyond our open credit arrangements, we have also experienced demands for customer financing and facilitation of leasing arrangements. Our loan financing arrangements may include not only financing the acquisition of our products and services but also providing additional funds for other costs associated with network installation and integration of our products and services. Our exposure to the credit risks relating to our financing activities may increase if our customers are adversely affected by a global economic downturn or periods of economic uncertainty. There can be no assurance that programs we have in place to monitor and mitigate credit risks will be effective. In the past, there have been significant bankruptcies among customers both on open credit and with loan or lease financing

arrangements, particularly among Internet businesses and service providers, causing us to incur economic or financial losses. There can be no assurance that additional losses will not be incurred. Although these losses have not been material to date, future losses, if incurred, could harm our business and have a material adverse effect on our operating results and financial condition. Additionally, to the degree that turmoil in the credit markets makes it more difficult for some customers to obtain financing, those customers' ability to pay could be adversely impacted, which in turn could have a material adverse impact on our business, operating results, and financial condition.

We are exposed to fluctuations in the market values of our portfolio investments and in interest rates; impairment of our investments could harm our earnings.

We maintain an investment portfolio of various holdings, types, and maturities. Our portfolio includes available-for-sale debt investments and equity investments, the values of which are subject to market price volatility. If such investments suffer market price declines, as we experienced with some of our investments in the past, we may recognize in earnings the decline in the fair value of our investments below their cost basis. Our non-marketable equity and other investments are subject to risk of loss of investment capital. These investments are inherently risky because the markets for the technologies or products they have under development are typically in the early stages and may never materialize. We could lose our entire investment in these companies. For information regarding the market risks associated with the fair value of portfolio investments and interest rates, refer to the section titled "Quantitative and Qualitative Disclosures About Market Risk."

We are exposed to fluctuations in currency exchange rates that could negatively impact our financial results and cash flows.

Because a significant portion of our business is conducted outside the United States, we face exposure to adverse movements in foreign currency exchange rates, including emerging market currencies which can have extreme currency volatility. An increase in the value of the dollar could increase the real cost to our customers of our products in those markets outside the United States where we sell in dollars and a weakened dollar could increase the cost of local operating expenses and procurement of raw materials to the extent that we must purchase components in foreign currencies. These exposures may change over time as business practices evolve, and they could have a material adverse impact on our financial results and cash flows.

Failure to retain and recruit key personnel would harm our ability to meet key objectives.

Our success has always depended in large part on our ability to attract and retain highly skilled technical, managerial, sales, and marketing personnel. Competition for these personnel is intense, especially in the Silicon Valley area of Northern California. Stock incentive plans are designed to reward employees for their long-term contributions and provide incentives for them to remain with us. Volatility or lack of positive performance in our stock price or equity incentive awards, or changes to our overall compensation program, including our stock incentive program, resulting from the management of share dilution and share-based compensation expense or otherwise, may also adversely affect our ability to retain key employees. As a result of one or more of these factors, we may increase our hiring in geographic areas outside the United States, which could subject us to additional geopolitical and exchange rate risk. The loss of services of any of our key personnel; the inability to retain and attract qualified personnel in the future; or delays in hiring required personnel, particularly engineering and sales personnel, could make it difficult to meet key objectives, such as timely and effective product introductions. In addition, companies in our industry whose employees accept positions with competitors frequently claim that competitors have engaged in improper hiring practices. We have received these claims in the past and may receive additional claims to this effect in the future.

Adverse resolution of litigation or governmental investigations may harm our operating results or financial condition.

We are a party to lawsuits in the normal course of our business. Litigation can be expensive, lengthy, and disruptive to normal business operations. Moreover, the results of complex legal proceedings are difficult to predict. An unfavorable resolution of lawsuits or governmental investigations could have a material adverse effect on our business, operating results, or financial condition. For additional information regarding certain of the matters in which we are involved, see Note 14 to the Consolidated Financial Statements, subsection (f) "Legal Proceedings."

Our operating results may be adversely affected and damage to our reputation may occur due to production and sale of counterfeit versions of our products.

As is the case with leading products around the world, our products are subject to efforts by third parties to produce counterfeit versions of our products. While we work diligently with law enforcement authorities in various countries to block the manufacture of counterfeit goods and to interdict their sale, and to detect counterfeit products in customer networks, and have succeeded in prosecuting counterfeiters and their distributors, resulting in fines, imprisonment and restitution to us, there can be no guarantee that such efforts will succeed. While counterfeiters often aim their sales at customers who might not have otherwise purchased our products due to lack of verifiability of origin and service, such counterfeit sales, to the extent they replace otherwise legitimate sales, could adversely affect our operating results.

Changes in our provision for income taxes or adverse outcomes resulting from examination of our income tax returns could adversely affect our results.

Our provision for income taxes is subject to volatility and could be adversely affected by earnings being lower than anticipated in countries that have lower tax rates and higher than anticipated in countries that have higher tax rates; by changes in the valuation of our deferred tax assets and liabilities; by changes to foreign-derived intangible income, global intangible low-tax income and base erosion and anti-abuse tax laws, regulations, or interpretations thereof; by expiration of or lapses in tax incentives; by transfer pricing adjustments, including the effect of acquisitions on our legal structure; by tax effects of nondeductible compensation; by tax costs related to intercompany realignments; by changes in accounting principles; or by changes in tax laws and regulations, treaties, or interpretations thereof, including changes to the taxation of earnings of our foreign subsidiaries, the deductibility of expenses attributable to foreign income, and the foreign tax credit rules. Significant judgment is required to determine the recognition and measurement attribute prescribed in the accounting guidance for uncertainty in income taxes. The Organisation for Economic Co-operation and Development (OECD), an international association comprised of 37 countries, including the United States, has made changes to numerous long-standing tax principles. There can be no assurance that these changes, once adopted by countries, will not have an adverse impact on our provision for income taxes. Further, as a result of certain of our ongoing employment and capital investment actions and commitments, our income in certain countries was subject to reduced tax rates. Our failure to meet these commitments could adversely impact our provision for income taxes. In addition, we are subject to the continuous examination of our income tax returns by the Internal Revenue Service and other tax authorities. We regularly assess the likelihood of adverse outcomes resulting from these examinations to determine the adequacy of our provision for income taxes. There can be no assurance that the outcomes from these continuous examinations will not have an adverse effect on our operating results and financial condition.

Our business and operations are especially subject to the risks of earthquakes, floods, and other natural catastrophic events.

Our corporate headquarters, including certain of our research and development operations are located in the Silicon Valley area of Northern California, a region known for seismic activity. Additionally, a certain number of our facilities are located near rivers that have experienced flooding in the past. Also certain of our suppliers and logistics centers are located in regions that have been or may be affected by earthquake, tsunami and flooding activity which in the past has disrupted, and in the future could disrupt, the flow of components and delivery of products. A significant natural disaster, such as an earthquake, a hurricane, volcano, or a flood, could have a material adverse impact on our business, operating results, and financial condition.

Terrorism and other events may harm our business, operating results and financial condition.

The continued threat of terrorism and heightened security and military action in response to this threat, or any future acts of terrorism, may cause further disruptions to the economies of the United States and other countries and create further uncertainties or otherwise materially harm our business, operating results, and financial condition. Likewise, events such as loss of infrastructure and utilities services such as energy, transportation, or telecommunications could have similar negative impacts. To the extent that such disruptions or uncertainties result in delays or cancellations of customer orders or the manufacture or shipment of our products, our business, operating results, and financial condition could be materially and adversely affected.

There can be no assurance that our operating results and financial condition will not be adversely affected by our incurrence of debt.

As of the end of the second quarter of fiscal 2021, we have senior unsecured notes outstanding in an aggregate principal amount of \$14.5 billion that mature at specific dates from calendar year 2021 through 2040. We have also established a commercial paper program under which we may issue short-term, unsecured commercial paper notes on a private placement basis up to a maximum aggregate amount outstanding at any time of \$10.0 billion, and we had no commercial paper notes outstanding under this program as of January 23, 2021. There can be no assurance that our incurrence of this debt or any future debt will be a better means of providing liquidity to us than would our use of our existing cash resources. Further, we cannot be assured that our maintenance of this indebtedness or incurrence of future indebtedness will not adversely affect our operating results or financial condition. In addition, changes by any rating agency to our credit rating can negatively impact the value and liquidity of both our debt and equity securities, as well as the terms upon which we may borrow under our commercial paper program or future debt issuances.

Risks Related to Intellectual Property

Our proprietary rights may prove difficult to enforce.

We generally rely on patents, copyrights, trademarks, and trade secret laws to establish and maintain proprietary rights in our technology and products. Although we have been issued numerous patents and other patent applications are currently pending, there can be no assurance that any of these patents or other proprietary rights will not be challenged, invalidated, or circumvented or that our rights will, in fact, provide competitive advantages to us. Furthermore, many key aspects of

networking technology are governed by industrywide standards, which are usable by all market entrants. In addition, there can be no assurance that patents will be issued from pending applications or that claims allowed on any patents will be sufficiently broad to protect our technology. In addition, the laws of some foreign countries may not protect our proprietary rights to the same extent as do the laws of the United States. The outcome of any actions taken in these foreign countries may be different than if such actions were determined under the laws of the United States. Although we are not dependent on any individual patents or group of patents for particular segments of the business for which we compete, if we are unable to protect our proprietary rights to the totality of the features (including aspects of products protected other than by patent rights) in a market, we may find ourselves at a competitive disadvantage to others who need not incur the substantial expense, time, and effort required to create innovative products that have enabled us to be successful.

We may be found to infringe on intellectual property rights of others.

Third parties, including customers, have in the past and may in the future assert claims or initiate litigation related to exclusive patent, copyright, trademark, and other intellectual property rights to technologies and related standards that are relevant to us. These assertions have increased over time as a result of our growth and the general increase in the pace of patent claims assertions, particularly in the United States. Because of the existence of a large number of patents in the networking field, the secrecy of some pending patents, and the rapid rate of issuance of new patents, it is not economically practical or even possible to determine in advance whether a product or any of its components infringes or will infringe on the patent rights of others. The asserted claims and/or initiated litigation can include claims against us or our manufacturers, suppliers, or customers, alleging infringement of their proprietary rights with respect to our existing or future products or components of those products. Regardless of the merit of these claims, they can be time-consuming, result in costly litigation and diversion of technical and management personnel, or require us to develop a non-infringing technology or enter into license agreements. Where claims are made by customers, resistance even to unmeritorious claims could damage customer relationships. There can be no assurance that licenses will be available on acceptable terms and conditions, if at all, or that our indemnification by our suppliers will be adequate to cover our costs if a claim were brought directly against us or our customers. Furthermore, because of the potential for high court awards that are not necessarily predictable, it is not unusual to find even arguably unmeritorious claims settled for significant amounts. If any infringement or other intellectual property claim made against us by any third party is successful, if we are required to indemnify a customer with respect to a claim against the customer, or if we fail to develop non-infringing technology or license the proprietary rights on commercially reasonable terms and conditions, our business, operating results, and financial condition could be materially and adversely affected. For additional information regarding our indemnification obligations, see Note 14(e) to the Consolidated Financial Statements contained in this report. Our exposure to risks associated with the use of intellectual property may be increased as a result of acquisitions, as we have a lower level of visibility into the development process with respect to such technology or the care taken to safeguard against infringement risks. Further, in the past, third parties have made infringement and similar claims after we have acquired technology that had not been asserted prior to our acquisition.

We rely on the availability of third-party licenses.

Many of our products are designed to include software or other intellectual property licensed from third parties. It may be necessary in the future to seek or renew licenses relating to various aspects of these products. There can be no assurance that the necessary licenses would be available on acceptable terms, if at all. The inability to obtain certain licenses or other rights or to obtain such licenses or rights on favorable terms, or the need to engage in litigation regarding these matters, could have a material adverse effect on our business, operating results, and financial condition. Moreover, the inclusion in our products of software or other intellectual property licensed from third parties on a nonexclusive basis could limit our ability to protect our proprietary rights in our products.

Risks Related to Cybersecurity and Regulations

Cyber-attacks, data breaches or malware may disrupt our operations, harm our operating results and financial condition, and damage our reputation, and cyber-attacks or data breaches on our customers' networks, or in cloud-based services provided by or enabled by us, could result in claims of liability against us, damage our reputation or otherwise harm our business.

Despite our implementation of security measures, the products and services we sell to customers, and our servers, data centers and the cloud-based solutions on which our data, and data of our customers, suppliers and business partners are stored, are vulnerable to cyber-attacks, data breaches, malware, and similar disruptions from unauthorized access or tampering by malicious actors or inadvertent error. Any such event could compromise our products, services, and networks or those of our customers, and the information stored on our systems or those of our customers could be improperly accessed, processed, disclosed, lost or stolen, which could subject us to liability to our customers, suppliers, business partners and others, give rise to legal/regulatory action, and could have a material adverse effect on our business, operating results, and financial condition and may cause damage to our reputation. Efforts to limit the ability of malicious actors to disrupt the operations of the Internet or

undermine our own security efforts may be costly to implement and meet with resistance, and may not be successful. Breaches of security in our customers' networks, or in cloud-based services provided by or enabled by us, regardless of whether the breach is attributable to a vulnerability in our products or services, could result in claims of liability against us, damage our reputation or otherwise harm our business.

Vulnerabilities and critical security defects, prioritization decisions regarding remedying vulnerabilities or security defects, failure of third party providers to remedy vulnerabilities or security defects, or customers not deploying security releases or deciding not to upgrade products, services or solutions could result in claims of liability against us, damage our reputation or otherwise harm our business.

The products and services we sell to customers, and our cloud-based solutions, inevitably contain vulnerabilities or critical security defects which have not been remedied and cannot be disclosed without compromising security. We may also make prioritization decisions in determining which vulnerabilities or security defects to fix, and the timing of these fixes, which could result in an exploit which compromises security. Customers also need to test security releases before they can be deployed which can delay implementation. In addition, we rely on third-party providers of software and cloud-based service and we cannot control the rate at which they remedy vulnerabilities. Customers may also not deploy a security release, or decide not to upgrade to the latest versions of our products, services or cloud-based solutions containing the release, leaving them vulnerable. Vulnerabilities and critical security defects, prioritization errors in remedying vulnerabilities or security defects, failure of third-party providers to remedy vulnerabilities or security defects, or customers not deploying security releases or deciding not to upgrade products, services or solutions could result in claims of liability against us, damage our reputation or otherwise harm our business.

Our business, operating results and financial condition could be materially harmed by regulatory uncertainty applicable to our products and services.

Changes in regulatory requirements applicable to the industries in which we operate, in the United States and in other countries, could materially affect the sales of our products and services. In particular, changes in telecommunications regulations could impact our service provider customers' purchase of our products and offers, and they could also impact sales of our own regulated offers. In addition, evolving legal requirements restricting or controlling the collection, processing, or cross-border transmission of data, including regulation of cloud-based services, could materially affect our customers' ability to use, and our ability to sell, our products and offers. Additional areas of uncertainty that could impact sales of our products and offers include laws and regulations related to encryption technology, environmental sustainability, export control, product certification, and national security controls applicable to our supply chain. Changes in regulatory requirements in these areas could have a material adverse effect on our business, operating results, and financial condition.

Risks Related to Ownership of Our Stock

Our stock price may be volatile.

Historically, our common stock has experienced substantial price volatility, particularly as a result of variations between our actual financial results and the published expectations of analysts and as a result of announcements by our competitors and us. Furthermore, speculation in the press or investment community about our strategic position, financial condition, results of operations, business, security of our products, or significant transactions can cause changes in our stock price. In addition, the stock market has experienced extreme price and volume fluctuations that have affected the market price of many technology companies, in particular, and that have often been unrelated to the operating performance of these companies. These factors, as well as general economic and political conditions and the announcement of proposed and completed acquisitions or other significant transactions, or any difficulties associated with such transactions, by us or our current or potential competitors, may materially adversely affect the market price of our common stock in the future. Additionally, volatility, lack of positive performance in our stock price or changes to our overall compensation program, including our stock incentive program, may adversely affect our ability to retain key employees, virtually all of whom are compensated, in part, based on the performance of our stock price.

Item 2. Unregistered Sales of Equity Securities and Use of Proceeds

(a)None.

(b)None.

(c)Issuer Purchases of Equity Securities (in millions, except per-share amounts):

Period	Total Number of Shares Purchased	Average Price Paid per Share	Total Number of Shares Purchased as Part of Publicly Announced Plans or Programs	Approximate Dollar Value of Shares That May Yet Be Purchased Under the Plans or Programs
October 25, 2020 to November 21, 2020	5	\$ 38.36	5	\$ 9,854
November 22, 2020 to December 19, 2020	6	\$ 43.85	6	\$ 9,574
December 20, 2020 to January 23, 2021	8	\$ 44.86	8	\$ 9,240
Total	19	\$ 42.82	19	

On September 13, 2001, we announced that our Board of Directors had authorized a stock repurchase program. The remaining authorized amount for stock repurchases under this program is approximately \$9.2 billion with no termination date.

For the majority of restricted stock units granted, the number of shares issued on the date the restricted stock units vest is net of shares withheld to meet applicable tax withholding requirements. Although these withheld shares are not issued or considered common stock repurchases under our stock repurchase program and therefore are not included in the preceding table, they are treated as common stock repurchases in our financial statements as they reduce the number of shares that would have been issued upon vesting.

Item 3. Defaults Upon Senior Securities

None.

Item 4. Mine Safety Disclosures

Not applicable.

Item 5. Other Information

None.

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Item 6. Exhibits

The following documents are filed as exhibits to this report:

Exhibit Number	Exhibit Description	Incorporated by Reference				Filed Herewith
		Form	File No.	Exhibit	Filing Date	
2.1	Agreement and Plan of Merger, dated as of January 25, 2021 by and between Cisco Systems, Inc., a California corporation, and Cisco Systems (DE), Inc., a Delaware corporation	8-K12B	001-39940	2.1	1/25/2021	
3.1	Amended and Restated Certificate of Incorporation of Cisco Systems, Inc., as currently in effect	8-K12B	001-39940	3.1	1/25/2021	
3.2	Amended and Restated Bylaws of Cisco Systems, Inc., as currently in effect	8-K12B	001-39940	3.2	1/25/2021	
4.1	First Supplemental Indenture, dated January 25, 2021 to the Indenture, dated February 17, 2009, between Cisco Systems, Inc. and the Bank of New York Mellon Trust Company, N.A., as trustee					X
4.2	First Supplemental Indenture, dated January 25, 2021 to the Indenture, dated November 17, 2009, between Cisco Systems, Inc. and the Bank of New York Mellon Trust Company, N.A., as trustee					X
4.3	First Supplemental Indenture, dated January 25, 2021 to the Indenture, dated March 3, 2014, between the Company and The Bank of New York Mellon Trust Company					X
10.1*	Letter Agreement by and between Cisco Systems, Inc. and R. Scott Herren	8-K	000-18225	10.1	11/13/2020	
10.2*	Transition Agreement by and between Cisco Systems, Inc. and Kelly A. Kramer	8-K	000-18225	10.2	11/13/2020	
10.3	First Amendment to Amended and Restated Credit Agreement and Consent, dated as of January 25, 2021, by and among Cisco Systems, Inc., the Lenders party thereto, and Bank of America, N.A., as Administrative Agent					X
10.4*	Form of Indemnity Agreement	8-K12B	001-39940	10.1	1/25/2021	
10.5*	Cisco Systems, Inc. 2005 Stock Incentive Plan (including related form agreements)					X
10.6*	Cisco Systems, Inc. Deferred Compensation Plan, as amended					X
10.7*	Cisco Systems, Inc. Employee Stock Purchase Plan					X
31.1	Rule 13a-14(a)/15d-14(a) Certification of Principal Executive Officer					X
31.2	Rule 13a-14(a)/15d-14(a) Certification of Principal Financial Officer					X
32.1	Section 1350 Certification of Principal Executive Officer					X
32.2	Section 1350 Certification of Principal Financial Officer					X
101.INS	Inline XBRL Instance - the instance document does not appear in the Interactive Data File because its XBRL tags are embedded within the Inline XBRL document.					X
101.SCH	Inline XBRL Taxonomy Extension Schema Document					X

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Exhibit Number	Exhibit Description	Incorporated by Reference				Filed Herewith
		Form	File No.	Exhibit	Filing Date	
101.CAL	Inline XBRL Taxonomy Extension Calculation Linkbase Document				X	
101.DEF	Inline XBRL Taxonomy Extension Definition Linkbase Document				X	
101.LAB	Inline XBRL Taxonomy Extension Label Linkbase Document				X	
101.PRE	Inline XBRL Taxonomy Extension Presentation Linkbase Document				X	
104	Cover Page Interactive Data File (formatted as Inline XBRL and contained in Exhibit 101)				X	

* Indicates a management contract or compensatory plan or arrangement.

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Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

Date: February 16, 2021

Cisco Systems, Inc.

By /s/ R. Scott Herren

R. Scott Herren
Executive Vice President and
Chief Financial Officer
(Principal Financial Officer and duly authorized signatory)