

SentinelOne, Inc.

Robust industry tailwinds and improving macro conditions; upgrade to Buy

Rating Change: BUY | PO: 35.00 USD | Price: 28.99 USD

Improving market conditions to support outperformance

We upgrade SentinelOne to Buy from Neutral and increase our PO to \$35 from \$26.50, based on 13x FY25 EV/Sales, vs. 9x prior. Though competition remains intense, our more positive view is driven by our expectations for the near-term pathway to profitability and FCF generation, re-accelerating net new ARR growth, long-term industry tailwinds, and improving market conditions. Our latest checks were positive (see our channel checks report), which could also support the stock near term. SentinelOne's stock was a laggard for much of 2023, yet has outperformed in the last three months, up ~78% vs. 35-60% for CrowdStrike, Palo Alto, and Zscaler. We believe the strong momentum should continue through F4Q24 and raise our estimates to reflect our more optimistic view on SentinelOne's ability to overcome competitive challenges and continue gaining share in endpoint security and adjacent markets.

Positives: growth potential, estimate upside, valuation

SentinelOne's revenue growth slowed significantly from 106% YoY in 2022 to our expected ~46% in 2023E, driven by law of large numbers, but also weak macro conditions and competitive dynamics. However, macro has started to show signs of improvement, cyber spending should be strong in 2024, and EDR remains a top CISO priority. SentinelOne's nnARR growth is expected to decline by -12% YoY in 2023, yet we model a meaningful reacceleration to +10% growth for 2024. We view this as an achievable target and see room for upside on topline and nnARR from further cross-selling of modules, improving net retention rates, strong partner relationships, and international expansion. Lastly, SentinelOne is still trading at a discount to cloud-based peers, trading at ~7.5x CY25E EV/Sales vs 11-16x for CrowdStrike, Palo Alto, and Zscaler.

Risks: competition, pricing, execution risk

Though SentinelOne should continue gaining market share from legacy vendors, which still control ~25% share, we see tough competition from CrowdStrike, Microsoft, Palo Alto, and Fortinet. Specifically, CrowdStrike has a larger platform and benefits from larger deals at enterprises with more cross-selling, and has recently focused on improving its partner relationships. Microsoft is aggressive and bundles EDR/XDR at reduced rates, similar to Palo Alto Networks and Fortinet. We also flag potential execution risks and note that any pushback to management's timeline for reaching OM and FCF breakeven could be detrimental to the stock.

Estimates (Jan) (US\$)	2022A	2023A	2024E	2025E	2026E
EPS	(0.72)	(0.70)	(0.30)	0.08	0.43
GAAP EPS	(1.58)	(1.36)	(1.15)	(0.84)	(0.12)
EPS Change (YoY)	-67.4%	2.8%	57.1%	NM	437.5%
Consensus EPS (Bloomberg)			(0.29)	0.07	0.35
DPS	0	0	0	0	0
Valuation (Jan)					
P/E	NM	NM	NM	362.4x	67.4x
EV / EBITDA*	NM	NM	NM	484.7x	64.5x
Free Cash Flow Yield*	-1.4%	-2.7%	-0.9%	0.6%	2.1%
* For full definitions of <i>IQ</i> method SM measures, see page 11.					

BofA Securities does and seeks to do business with issuers covered in its research reports. As a result, investors should be aware that the firm may have a conflict of interest that could affect the objectivity of this report. Investors should consider this report as only a single factor in making their investment decision.

Refer to important disclosures on page 12 to 14. Analyst Certification on page 10. Price Objective Basis/Risk on page 10.

Timestamp: 14 February 2024 06:02AM EST

14 February 2024

Equity

Key Changes		
(US\$)	Previous	Current
Inv. Opinion	C-2-9	C-1-9
Inv. Rating	NEUTRAL	BUY
Price Obj.	26.50	35.00

Tal Liani Research Analyst BofAS +1 646 855 5107 tal.liani@bofa.com

Jonathan Eisenson Research Analyst BofAS +1 646 743 0186 jonathan.eisenson@bofa.com

Tomer Zilberman Research Analyst BofAS +1 646 855 3203 tomer.zilberman@bofa.com

Madeline Brooks Research Analyst BofAS +1 646 855 1971 madeline.brooks@bofa.com

Stock Data

Price	28.99 USD
Price Objective	35.00 USD
Date Established	14-Feb-2024
Investment Opinion	C-1-9
52-Week Range	12.43 USD - 30.32 USD
Mrkt Val (mn) / Shares Out	7,211 USD / 248.7
(mn)	
Free Float	98.6%
Average Daily Value (mn)	167.95 USD
BofA Ticker / Exchange	S / NYS
Bloomberg / Reuters	S US / S.N
ROE (2024E)	-5.5%
Net Dbt to Eqty (Jan-2023A)	-8.1%
ESGMeter™	NLA

ESGMeter is not indicative of a company's future stock price performance and is not an investment recommendation or rating. ESGMeter is independent of BofA Global Research's equity investment rating, volatility risk rating, income rating, and price objective for that company. For full details, refer to "BofA ESGMeter Methodology".

See glossary on page 7, summary of model changes on page 8

iQprofile[™] SentinelOne, Inc.

iQmethod SM − Bus Performance*					
(US\$ Millions)	2022A	2023A	2024E	2025E	2026E
Return on Capital Employed	-14.5%	-9.6%	-4.3%	1.6%	6.8%
Return on Equity	-18.3%	-11.8%	-5.5%	1.6%	8.1%
Operating Margin	-85.2%	-49.5%	-20.5%	-2.0%	8.1%
Free Cash Flow	(99)	(198)	(66)	43	154
<i>iQ</i> method SM − Quality of Earnings*					
(US\$ Millions)	2022A	2023A	2024E	2025E	2026E
Cash Realization Ratio	NM	NM	NM	1.7x	1.2x

0.5x

NM

NM

-100.8%

0.2x

1.5%

-8.1%

NA

0х

NM

 $\mathsf{N}\mathsf{A}$

-8.8%

0x

NM

NA

-7.3%

0.2x

NM

NA

-16.2%

Income Statement Data (Jan)

Asset Replacement Ratio

Net Debt-to-Equity Ratio

Interest Cover

(US\$ Millions)	2022A	2023A	2024E	2025E	2026E
Sales	205	422	616	828	1,076
% Change	120.1%	106.1%	46.0%	34.4%	30.0%
Gross Profit	129	305	476	644	842
% Change	138.6%	136.3%	56.4%	35.2%	30.8%
EBITDA	(167)	(179)	(86)	15	112
% Change	-72.2%	-7.5%	52.0%	NM	652.0%
Net Interest & Other Income	(3)	18	43	47	47
Net Income (Adjusted)	(178)	(195)	(88)	25	129
% Change	-75.5%	-9.1%	54.9%	NM	408.1%

Free Cash Flow Data (Jan)

(US\$ Millions)	2022A	2023A	2024E	2025E	2026E
Net Income from Cont Operations (GAAP)	(271)	(379)	(337)	(249)	(118)
Depreciation & Amortization	8	30	40	31	25
Change in Working Capital	56	(28)	20	(85)	(16)
Deferred Taxation Charge	NA	NA	NA	NA	NA
Other Adjustments, Net	112	184	211	345	267
Capital Expenditure	(4)	(5)	0	(1)	(4)
Free Cash Flow	-99	-198	-66	43	154
% Change	-42.1%	-99.8%	66.5%	NM	262.2%
Share / Issue Repurchase	1,389	0	0	0	0
Cost of Dividends Paid	0	0	0	0	0
Change in Debt	(20)	0	0	0	0

Balance Sheet Data (Jan)

(US\$ Millions)	2022A	2023A	2024E	2025E	2026E
Cash & Equivalents	1,669	138	118	142	271
Trade Receivables	101	151	137	163	211
Other Current Assets	47	625	784	824	869
Property, Plant & Equipment	25	39	40	28	32
Other Non-Current Assets	200	1,305	1,127	1,266	1,323
Total Assets	2,042	2,259	2,206	2,423	2,705
Short-Term Debt	5	4	4	4	4
Other Current Liabilities	277	469	506	708	873
Long-Term Debt	0	0	0	0	0
Other Non-Current Liabilities	110	129	137	159	182
Total Liabilities	391	602	647	872	1,059
Total Equity	1,651	1,657	1,559	1,551	1,647
Total Equity & Liabilities	2,042	2,259	2,206	2,423	2,705

^{*} For full definitions of $\emph{IQ} \textit{method}^{\text{SM}}$ measures, see page 11.

Company Sector

Cyber Security

Company Description

SentinelOne provides Endpoint Protection Platform solutions to optimally protect enterprises' internet-connected devices from cyber threats. The company benefits from an ongoing shift from legacy, on-premise offerings to cloud-based platforms that use machine learning and AI technology. SentinelOne is strongly positioned to compete with and displace legacy incumbents with its next-gen EPP offerings, including extended detection and response capabilities.

Investment Rationale

We believe SentinelOne is positioned to gain share in the endpoint security market and expand into other areas of security over time through its scalable, Al-powered nextgen platform. In the long-run, the company's SaaS model and platform up/cross-sell potential could deliver sustainable high growth.

Stock Data

Average Daily Volume 5,793,547

Quarterly Earnings Estimates

	2023	2024
Q1	-0.21A	-0.15A
Q2	-0.20A	-0.08A
Q3	-0.16A	-0.03A
04	-0.13A	-0.04F



De-risked comps in 2025, possibility remains for material upside

Key positives for SentinelOne start with the underlying growth potential. With Cybersecurity budgets expected to remain strong in 2024, we see potential for SentinelOne to have positive estimate revisions over the next few quarters. We also see a solid setup over the next year from easier comps (especially in 2H25), increasing cybersecurity budgets, and better macro conditions.

Exhibit 1: BofA estimates vs. Street's expectations

We compare our estimates against consensus estimates for the next two quarters and FY25

	F4	F4Q24 Expectations			F1Q25 Expectations			FY25 Expectations		
(mns \$)	BofA	Consensus	Delta	BofA	Consensus	Delta	BofA	Consensus	Delta	
Net new ARR	\$58.76	\$57.06	3.0%	\$46.22	\$45.63	1.3%	\$221.42	\$218.06	1.5%	
YoY growth (%)	0.1%	-2.8%		10.3%	9.7%		10.2%	9.5%		
Total revenue	\$169.26	\$169.81	-0.3%	\$186.08	\$181.28	2.6%	\$827.96	\$816.78	1.4%	
YoY growth (%)	34.2%	34.7%		39.5%	35.9%		34.4%	32.4%		
Gross margin (%)	77.5%	77.5%	(2.5) bps	77.1%	77.1%	2 bps	77.8%	77.4%	32 bps	
Operating margin (%)	-14.0%	-13.3%	(69.4) bps	-10.6%	-10.7%	8 bps	-2.0%	-2.7%	75 bps	
EPS	(0.04)	(0.04)	5.4%	(0.03)	(0.03)	9.0%	0.08	0.07	18.0%	
Free Cash Flow	(9.22)	(12.94)	-28.8%	(11.63)	(12.94)	-10.2%	23.55	25.37	-7.2%	
FCF margin (%)	-5.4%	-7.6%		-6.2%	-7.1%		2.8%	3.1%		

Source: BofA Global Research estimates, company report, Bloomberg

BofA GLOBAL RESEARCH

Per our recent discussions with CISOs and channel partners, endpoint security remains a top priority for enterprises, which should directly contribute to faster growth for SentinelOne's topline. Revenue growth decelerated in the last twelve months, from 106% YoY in FY23 to our expected 46% for FY24E and 34% for FY25E, vs. Street's 46% and 32%, respectively. The decline is somewhat natural given the growing base, but is also attributed to weak macro conditions, longer sales cycles, increased procurement scrutiny, and tough competitive environments. However, channel partners saw better budgets in C4Q23, with hints of more typical year-end budget flushes, and per our latest discussions, we believe that momentum continued into C1Q24 as well. Though the competitive environment remains tough for SentinelOne, we believe improving macro conditions should support increased spending trends and better growth for the company over the next few quarters.

"For our enterprise customers, we saw the usual 4Q budget flush." – North American Partner

"We just had our best January ever. Our forecasts for this year are very positive so far. While there are some macro impacts or concerns on a global scale, cybersecurity is safe because these solutions are need-to-have, not nice-to-have." – Global Partner

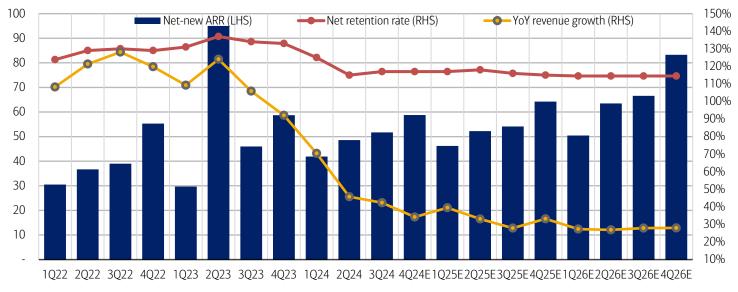
Another fundamental positive for SentinelOne is the upside related to add-on modules, solid international expansion, and strong relationships within the channels. The company continues to see strong demand for its Cloud security and Data Lake (SIEM) solutions, which combined for +100% YoY growth and comprised 20% of quarterly bookings in the latest quarter. SentinelOne also plans to expand its Cloud security solutions in FY25 and offer a full-stack CNAPP solution with both agent-based and agentless capabilities. The company's AI solution, dubbed Purple AI, is also expected to be generally available in



F1Q25, and could also drive some upside to topline and NRR. The company also continues to focus on international expansion and growing its channel partner ecosystem through MSSPs, both of which should help support continued revenue growth over the next few quarters. We also note that prior accounting issues have since been resolved.

Exhibit 2: Snapshot of SentinelOne's revenue growth, net new ARR and net retention rates

The strong decline of revenue growth should slow over the next few quarters and remain relatively steady at ~30%



Source: BofA Global Research estimates, company report

BofA GLOBAL RESEARCH

Undemanding valuation relative to peers

In our view, another factor supporting the stock is the undemanding valuation. Despite the strength in the past few months, SentinelOne's stock is currently trading at ~7x 2025E EV/Sales, vs. 8x peer average (and 0.2x growth-adjusted vs. 0.5x peer average). We believe this discount has been supported by the company's lower topline growth, accounting issues, lack of profitability, and negative net new ARR growth throughout 2023. Given the weaker LTM, we see a positively skewed risk-reward for SentinelOne, which should be further supported by the improving spending environment.

Bear case assumptions: in a bear case scenario, we could see weak macro conditions with lower spending levels, elongated deal cycles, intensifying competition with CrowdStrike and Microsoft, net retention rate declining to <105%, less upsell and cross-sell at existing customers, less-than-expected operating leverage and FCF generation.

Bull case assumptions: in a bull case scenario, we could see larger deal sizes and normalizing sales cycles as macro conditions improve, net retentions recovering to >120%, accelerated international expansion, significant uplift from upselling/crossselling, better growth at larger enterprise customers, improving new customer acquisition.

Exhibit 3: Scenario analysis for SentinelOne

We examine potential impacts on valuation levels based on bull and bear scenarios

	Bear	Bear Case		Base Case		Case
(in mns)	FY25E	FY26E	FY25E	FY26E	FY25E	FY26E
Net New ARR	190.9	181.4	221.4	264.0	211.0	221.6
YoY growth (%)	-5.0%	-5.0%	0.0%	0.0%	5.0%	5.0%
Revenues	797.1	996.4	828.0	1,076.3	858.8	1,159.3
YoY growth (%)	29.4%	25.0%	34.4%	30.0%	39.4%	35.0%
Operating income	(47.7)	40.8	(16.5)	87.1	25.9	151.8



Exhibit 3: Scenario analysis for SentinelOne

We examine potential impacts on valuation levels based on bull and bear scenarios

	Bear Case		Base Case		Bull Case	
(in mns)	FY25E	FY26E	FY25E	FY26E	FY25E	FY26E
Operating margin (%)	-6.0%	4.1%	-2.0%	8.1%	3.0%	13.1%
Net profit	0.5	89.5	25.4	128.9	52.1	173.7
Profit margin (%)	0.1%	9.0%	3.1%	12.0%	6.1%	15.0%
EPS	0.00	0.30	0.08	0.43	0.17	0.57
Shares outstanding	302	303	302	303	302	303
Free cash flow	(1.2)	89.8	23.5	129.3	50.2	174.0
FCF margin (%)	-0.2%	9.0%	2.8%	12.0%	5.8%	15.0%
EV/Sales		3.0x		9.7x		12.5x
EV/Sales/Growth		0.1x		0.3x		0.4x
Enterprise Value		2,989		10,416		14,492
Equity Value		3,181		10,607		14,683
Implied valuation (\$)		\$10.50		\$35.00		\$48.45

	Bear	Base	Bull
Scenario implied valuation	\$10	\$35	\$48
Implied EV/Sales multiple	3.0x	9.7x	12.5x

Source: BofA Global Research estimates, company report, Bloomberg

BofA GLOBAL RESEARCH

Exhibit 4: Comparable company valuations (1/2)We include key fundamental metrics across SaaS software peers and cybersecurity peers

Pricing as of 2/13/24	Ticker	Price	Mkt Cap	R	evenue	Grow	th		Gross	Margin		Or	perating	Marg	in		FCF M	argin	
1 11cmg as of 2/15/21	Tieltei		mile cup	2022			2025E	2022		2024E		2022	2023	2024E		2022	2023	_	2025E
SaaS																			
ADOBE INC	ADBE	\$601.89	\$272.054	11.5%	10.3%	10.7%	11.6%	87.9%	89.7%	89.1%	89.2%	34.4%	35.4%	45.7%	46.1%	41.6%	36.1%	41.2%	43.6%
DOCUSIGN INC	DOCU	\$50.52	\$10,303	21.0%	9.8%	5.7%	6.2%	82.0%	82.3%	82.2%	82.1%	(3.9%)	4.7%	25.0%	26.6%	16.7%	27.2%	24.6%	25.2%
JFROG LTD	FROG	\$35.75	\$3,750	35.5%	23.6%	21.9%	21.1%	84.0%	83.3%	82.3%	81.7%	(32.1%)	9.6%	12.0%	13.8%	6.1%	15.8%	18.0%	19.3%
HUBSPOT INC	HUBS	\$603.91	\$30,395	33.1%	24.0%	17.9%	19.4%	82.7%	84.5%	84.1%	84.2%	(6.3%)	14.8%	15.5%	16.8%	11.1%	12.8%	14.8%	15.8%
SNOWFLAKE INC	SNOW	\$227.57	\$74,939	72.9%	36.9%	29.7%	30.5%	70.9%	73.5%	73.9%	74.5%	(40.7%)	(32.0%)	9.0%	12.2%	23.8%	26.0%	27.8%	28.8%
PALANTIR	PLTR	\$24.01	\$52,246	23.6%	16.7%	20.1%	20.6%	80.9%	80.6%	82.7%	82.8%	(8.5%)	5.4%	32.0%	31.5%	9.6%	31.3%	31.9%	33.5%
ATLASSIAN CORP	TEAM	\$210.07	\$54,494	30.8%	22.4%	18.1%	23.3%	85.3%	84.2%	83.1%	82.3%	(4.5%)	(7.2%)	20.2%	22.4%	22.7%	27.4%	24.2%	25.7%
TWILIO INC	TWLO	\$69.30	\$12,546	34.6%	7.6%	7.3%	12.2%	51.0%	52.4%	52.2%	52.6%	(31.5%)	11.8%	13.0%	14.8%	(9.0%)	5.5%	9.5%	11.6%
WORKDAY INC	WDAY	\$296.75	\$78,045	21.1%	16.9%	16.5%	16.9%	77.0%	79.4%	79.9%	80.3%	(3.7%)	5.2%	24.4%	25.1%	20.8%	23.5%	23.6%	24.9%
Average				31.6%	18.7%	16.4%	18.0%	78.0%	78.9%	78.8%	78.9%	(10.7%)	5.3%	21.9%	23.2%	15.9%	22.8%	24.0%	25.4%
Median				30.8%	16.9%	17.9%	19.4%	82.0%	82.3%	82.3%	82.1%	(6.3%)	5.4%	20.2%	22.4%	16.7%	26.0%	24.2%	25.2%
Cybersecurity software																			
CHECK POINT	CHKP	\$164.13	\$19,202	7.5%	3.6%	5.8%	5.3%	81.0%	88.9%	89.2%	89.4%	38.0%	37.2%	43.4%	43.6%	46.2%	42.1%	41.8%	42.0%
CROWDSTRIKE	CRWD	\$322.44	\$77,432	55.6%	37.3%	29.2%	25.3%	76.0%	77.6%	78.1%	78.7%	(8.2%)	2.5%	22.4%	23.6%	29.9%	30.3%	31.0%	32.3%
CYBERARK	CYBR	\$263.90	\$11,022	17.7%	27.1%	23.2%	22.6%	82.3%	82.8%	82.6%	82.6%	(25.8%)	(15.5%)	8.7%	14.8%	6.3%	6.8%	9.8%	17.1%
FORTINET INC	FTNT	\$69.40	\$53,293	32.2%	20.1%	9.1%	13.6%	75.4%	76.7%	77.0%	75.2%	21.9%	23.4%	26.7%	27.0%	32.8%	32.6%	29.5%	30.7%
OKTA INC	OKTA	\$83.40	\$13,790	45.1%	22.2%	10.5%	12.1%	77.9%	79.9%	80.2%	80.4%	(45.7%)	(18.8%)	16.8%	18.8%	2.9%	19.0%	19.3%	20.4%
PALO ALTO NETWORKS	PANW	\$368.26	\$116,112	27.0%	22.8%	18.0%	17.7%	73.1%	74.2%	76.8%	76.7%	(0.2%)	12.1%	26.5%	28.2%	43.1%	39.0%	36.6%	38.7%
RAPID7 INC	RPD	\$58.75	\$3,610	28.0%	13.5%	9.8%	11.0%	73.0%	73.9%	74.6%	74.9%	(16.3%)	(10.4%)	18.2%	19.5%	8.4%	12.8%	19.1%	21.0%
SENTINELONE INC	S	\$28.99	\$8,659		49.8%	32.6%	31.8%	71.3%	76.9%	77.4%	78.0%	(97.7%)	(57.5%)	(3.4%)	6.7%	(48.0%)	(14.8%)	0.4%	11.2%
TENABLE	TENB	\$49.33	\$5,779	26.3%	16.9%	13.0%	13.9%	77.3%	80.0%	79.8%	80.0%	(9.9%)	(6.5%)	17.4%	18.8%	16.4%	17.7%	21.8%	23.9%
QUALYS	QLYS	\$169.79	\$6,246	19.1%	13.2%	9.6%	10.2%	81.1%	82.5%	82.0%	82.0%	26.7%	29.4%	38.2%	38.1%	37.5%	42.5%	36.2%	36.1%
ZSCALER	ZS	\$242.80	\$36,015	57.7%	41.0%	25.5%	24.9%	81.0%	80.8%	80.5%	80.6%	(23.7%)	(6.0%)	17.7%	19.4%	20.4%	25.3%	22.1%	24.4%
Average				31.6%	24.3%	16.9%	17.1%	76.8%	78.5%	78.9%	78.9%	(12.8%)	(0.9%)	21.1%	23.5%	17.8%	23.0%	24.3%	27.1%
Median				27.5%	22.2%	13.0%	13.9%	76.7%	78.8%	78.9%	79.3%	(9.9%)	(6.0%)	18.2%	19.5%	20.4%	25.3%	22.1%	24.4%
Overall Average				/	21.8%		17.5%		78.7%	78.9%		(11.9%)	1.9%	21.5%	23.4%	17.0%	22.9%		26.3%
Overall Median				28.0%	21.2%	17.2%	17.3%	77.9%	80.0%	80.2%	80.4%	(8.3%)	5.0%	19.2%	20.9%	18.5%	25.6%	23.9%	25.1%

Source: BofA Global Research estimates, company report, Bloomberg

BofA GLOBAL RESEARCH



Exhibit 5: Comparable company valuations (2/2)

On a growth adjusted basis, software and cybersecurity peers are trading at roughly 0.5x 2025E EV/Sales, vs. SentinelOne's 0.2x

Pricing as of 2/13/24		EV/	FCF			EV/	Sales		EV/Sales/Growth			
	2022	2023	2024E	2025E	2022	2023	2024E	2025E	2022	2023	2024E	2025E
SaaS												
ADOBE INC	36.4x	38.0x	30.1x	25.4x	15.1x	13.7x	12.4x	11.1x	1.3x	1.3x	1.2x	1.0x
DOCUSIGN INC	23.0x	12.8x	13.4x	12.3x	3.8x	3.5x	3.3x	3.1x	0.2x	0.4x	0.6x	0.5x
JFROG LTD	191.4x	60.0x	43.0x	33.2x	11.7x	9.5x	7.8x	6.4x	0.3x	0.4x	0.4x	0.3x
HUBSPOT INC	154.6x	107.7x	79.2x	62.0x	17.1x	13.8x	11.7x	9.8x	0.5x	0.6x	0.7x	0.5x
SNOWFLAKE INC	151.0x	101.0x	72.6x	53.8x	35.9x	26.2x	20.2x	15.5x	0.5x	0.7x	0.7x	0.5x
PALANTIR	266.1x	70.1x	57.3x	45.3x	25.7x	22.0x	18.3x	15.2x	1.1x	1.3x	0.9x	0.7x
ATLASSIAN CORP	75.1x	50.7x	48.7x	37.2x	17.0x	13.9x	11.8x	9.5x	0.6x	0.6x	0.6x	0.4x
TWILIO INC		43.7x	23.6x	17.2x	2.6x	2.4x	2.2x	2.0x	0.1x	0.3x	0.3x	0.2x
WORKDAY INC	58.6x	44.3x	37.8x	30.6x	12.2x	10.4x	8.9x	7.6x	0.6x	0.6x	0.5x	0.5x
Average	119.5x	58.7x	45.1x	35.2x	15.7x	12.8x	10.7x	8.9x	0.6x	0.7x	0.6x	0.5x
Median	113.0x	50.7x	43.0x	33.2x	15.1x	13.7x	11.7x	9.5x	0.5x	0.6x	0.6x	0.5x
Cybersecurity software												
CHECK POINT	15.1x	16.0x	15.2x	14.4x	7.0x	6.7x	6.4x	6.0x	0.9x	1.8x	1.1x	1.1x
CROWDSTRIKE	115.6x	83.1x	62.8x	48.2x	34.6x	25.2x	19.5x	15.6x	0.6x	0.7x	0.7x	0.6x
CYBERARK	276.3x	200.5x	113.1x	53.0x	17.4x	13.7x	11.1x	9.0x	1.0x	0.5x	0.5x	0.4x
FORTINET INC	35.8x	29.9x	30.4x	25.7x	11.7x	9.8x	9.0x	7.9x	0.4x	0.5x	1.0x	0.6x
OKTA INC		31.2x	27.9x	23.6x	7.3x	5.9x	5.4x	4.8x	0.2x	0.3x	0.5x	0.4x
PALO ALTO NETWORKS	42.8x	38.5x	34.8x	27.9x	18.4x	15.0x	12.7x	10.8x	0.7x	0.7x	0.7x	0.6x
RAPID7 INC	73.5x	42.6x	26.1x	21.4x	6.2x	5.5x	5.0x	4.5x	0.2x	0.4x	0.5x	0.4x
SENTINELONE INC				66.9x	19.6x	13.1x	9.9x	7.5x		0.3x	0.3x	0.2x
TENABLE	51.1x	40.5x	29.1x	23.3x	8.4x	7.2x	6.3x	5.6x	0.3x	0.4x	0.5x	0.4x
QUALYS	31.6x	24.6x	26.3x	24.0x	11.8x	10.4x	9.5x	8.7x	0.6x	0.8x	1.0x	0.8x
ZSCALER		75.2x		49.6x	26.8x	19.0x	15.1x	12.1x	0.5x	0.5x	0.6x	0.5x
Average	80.2x	58.2x	40.6x	34.3x	15.4x	12.0x	10.0x	8.4x	0.5x	0.5x	0.6x	0.5x
Median	46.9x	39.5x	29.1x	25.7x	11.8x	10.4x	9.5x	7.9x	0.5x	0.5x	0.6x	0.4x
Overall Average	99.9x	58.4x	42.9x	34.7x	15.5x	12.3x	10.3x	8.6x	0.5x	0.6x	0.6x	0.5x
Overall Median	66.0x	43.7x	32.6x	29.3x	13.6x	11.8x	9.7x	8.3x	0.5x	0.5x	0.6x	0.5x

Source: BofA Global Research estimates, company report, Bloomberg

BofA GLOBAL RESEARCH

Public Sector remains a key long-term opportunity

Though we do not believe federal, state, and local governments are a major contributor to SentinelOne's topline at this point, we remain bullish on the general growth opportunity within the public vertical across our cybersecurity coverage. SentinelOne has seen strong momentum and growing traction within the public sector in the past few quarters, especially within the federal arena. In the last two quarters, management called out several large federal agency deals, with one agency in particular in F3Q24 utilizing SentinelOne to consolidate solutions across endpoint, data/SIEM, and Cloud security.

For quick background, within the federal sector, FedRAMP stands for the Federal Risk and Authorization Management Program, and is a government-based program for providing standardized accreditation to Cloud Service Providers (CSPs) that plan to work with federal organizations. Importantly, FedRAMP certifications typically only include providers using cloud-based technologies that are focused on securing and protecting federal data. FedRAMP certification is required for a cybersecurity vendor to work with any executive agency and helps to speed up the sales cycle for faster adoption of security tools.

Peer CrowdStrike also discussed at its 2022 investor day that the TAM within the public sector (includes government, education, federal/state agencies) remains highly underpenetrated for EDR vendors, at <1%, and likely still remains a large growth opportunity for both CrowdStrike and SentinelOne. SentinelOne only achieved FedRAMP certification in October 2020, while CrowdStrike received its FedRAMP certification in 2018 and likely benefitted as a first mover in the federal space.



Exhibit 6: Snippet of Public Sector Contracts for SentinelOne and CrowdStrike

Information on public sector deals for S and CRWD (Only included CrowdStrike's 10 largest deals)

Vendor	Agency	Start Date	End Date	Total Obligation to Date (in USD)
SentinelOne	NASA	9/9/2023	9/27/2024	\$1,232,330
SentinelOne	NASA	5/9/2023	5/8/2024	\$113,781
SentinelOne	Department of Transportation	9/17/2019	9/17/2020	\$51,000
SentinelOne	Department of State	5/23/2016	8/31/2017	\$40,166
CrowdStrike	Department of Health	2/10/2021	2/9/2022	\$4,864,952
CrowdStrike	Department of Defense	1/28/2022	1/27/2024	\$3,305,471
CrowdStrike	Department of Homeland Security	1/29/2021	1/31/2022	\$2,785,765
CrowdStrike	Department of Commerce	6/11/2021	6/10/2024	\$2,546,217
CrowdStrike	Department of the Treasury	7/1/2021	2/10/2024	\$2,293,937
CrowdStrike	Department of Defense	11/3/2022	11/3/2024	\$2,267,890
CrowdStrike	Department of the Treasury	9/27/2023	9/26/2024	\$2,053,475
CrowdStrike	Department of Defense	1/28/2021	1/27/2022	\$1,499,998
CrowdStrike	Department of Justice	9/13/2023	9/12/2024	\$1,441,085
CrowdStrike	Department of the Treasury	2/1/2024	1/31/2025	\$1,277,133

Source: BofA Global Research, USASpending.gov

BofA GLOBAL RESEARCH

Per publicly available data, CrowdStrike may be more penetrated within the public sector at this point (see Exhibit 6 above), yet in our view, this remains a significant growth opportunity for SentinelOne. Lastly, we note that public sector deals may be lumpier in terms of revenue recognition given the consumption/usage-based contracts vs. typical recurring revenues, and total recognized revenues may not equal stated obligations within the public contract data.

Partner Commentary

"4Q deal flow for CrowdStrike ramped quite quickly and was largely driven by their enablement of the channel partners. We did not work with them in the beginning of 2023, but ramped up with us throughout the year. Finally started really doing deals with the partners in 4Q. Our understanding is that they have recently been focusing more on developing the channel relationships." – **North American Partner**

"SentinelOne is one of the favorites in endpoint security and they have great relationships within the channels. Alongside Palo Alto, SentinelOne would come up more within the channel as CrowdStrike's penetration with partners was not as mature. Saw solid budget flush benefits for SentinelOne in 4Q." – **North American Partner**

"Saw many net new customers for SentinelOne in 4Q but have not seen them take any deals from CrowdStrike. SentinelOne continues to win with the smaller customers, while CrowdStrike beats them head-to-head at larger enterprises." – **Global Partner**

"We have seen a good majority of the mid-market that has already made the transition away from legacy vendors to the SentinelOne's and CrowdStrike's of the world." – **Global Partner**

"CrowdStrike is still 15-25% more expensive than SentinelOne, though they have more of the platform consolidation focus." – **North American Partner**

Glossary

EDR: Endpoint Detection & Response

ARR: Annual Recurring Revenue

nnARR: net new Annual Recurring Revenue

CISO: Chief Information Security Officer

NRR: Net Retention Rate



Summary of Model Changes and P&L

Exhibit 7: Summary of model changes

We tweak our estimates to reflect our more positive view on SentinelOne's ability to outperform expectations

		Sales			EPS		G	ross Margi	n	Оре	erating Ma	rgin		ARR		Fr	ee Cash Flo)W
	Old	New	Delta	Old	New	Delta	Old	New	Delta	Old	New	Delta	Old	New	Delta	Old	New	Delta
FY24E																		
1Q24	133.39	133.39	-	(0.15)	(0.15)	-	75.0%	75.0%	0.0%	-38.1%	-38.1%	0.0%	563.60	563.60	-	(31.43)	(31.43)	-
2Q24	149.42	149.42	-	(80.0)	(80.0)	-	76.9%	76.9%	0.0%	-22.4%	-22.4%	0.0%	612.20	612.20	-	(15.19)	(15.19)	-
3Q24	164.17	164.17	-	(0.03)	(0.03)	-	79.3%	79.3%	0.0%	-11.1%	-11.1%	0.0%	663.90	663.90	-	(26.38)	(26.38)	-
4Q24E	169.26	169.26	-	(0.04)	(0.04)	-	77.5%	77.5%	0.0%	-14.0%	-14.0%	0.0%	722.66	722.66	-	(9.22)	(9.22)	-
Total	616.24	616.24	-	(0.30)	(0.30)	-	77.3%	77.3%	0.0%	-20.5%	-20.5%	0.0%	722.66	722.66	-	(82.22)	(82.22)	-
FY25E																		
1Q25E	186.08	186.08	-	(0.02)	(0.03)	(0.01)	77.0%	77.1%	0.1%	-9.1%	-10.6%	-1.5%	768.88	768.88	-	(16.97)	(11.63)	5.35
2Q25E	198.90	199.48	0.59	(0.00)	0.01	0.01	77.5%	77.6%	0.1%	-5.4%	-4.2%	1.2%	821.11	823.57	2.47	(7.08)	(5.51)	1.57
3Q25E	209.95	213.51	3.56	0.00	0.04	0.04	77.5%	77.6%	0.1%	-4.3%	1.1%	5.4%	875.23	881.01	5.79	2.09	13.07	10.98
4Q25E	225.44	228.89	3.45	0.03	0.07	0.03	78.5%	78.6%	0.1%	-0.4%	4.1%	4.5%	939.45	944.08	4.63	15.23	27.61	12.38
Total	820.36	827.96	7.60	0.01	0.08	0.07	77.7%	77.8%	0.1%	-4.6%	-2.0%	2.6%	939.45	944.08	4.63	(6.73)	23.55	30.28
FY26E																		
1Q26E	236.96	243.71	6.75	0.05	0.07	0.02	77.5%	77.6%	0.1%	1.6%	4.1%	2.4%	989.90	997.39	7.49	18.44	28.82	10.38
2Q26E	252.40	260.00	7.60	0.08	0.09	0.02	78.0%	78.1%	0.1%	5.2%	7.0%	1.8%	1,053.39	1,063.10	9.71	24.14	26.15	2.01
3Q26E	268.53	276.84	8.32	0.09	0.13	0.03	78.0%	78.1%	0.1%	6.7%	10.2%	3.5%	1,119.97	1,131.28	11.32	25.23	32.45	7.22
4Q26E	288.59	295.77	7.18	0.10	0.14	0.03	79.0%	79.1%	0.1%	7.4%	10.4%	3.1%	1,203.22	1,208.08	4.86	27.77	41.86	14.09
Total	1,046.48	1,076.33	29.85	0.32	0.43	0.10	78.2%	78.3%	0.1%	5.4%	8.1%	2.7%	1,203.22	1,208.08	4.86	95.58	129.29	33.70

Source: BofA Global Research estimates, company report, Bloomberg

BofA GLOBAL RESEARCH



Exhibit 8: Income statementWe model SentinelOne's revenues/EPS to reach \$616mn/-30c in FY24, respectively

(\$mn except EPS)	1Q23	2Q23	3Q23	4Q23	FY23	1Q24	2Q24	3Q24	4Q24E	FY24E	1Q25E	2Q25E	3Q25E	4Q25E	FY25E
Total ARR	322.00	417.00	463.00	521.70	521.70	563.60	612.20	663.90	722.66	722.66	768.88	823.57	881.01	944.08	944.08
Total revenue	78.26	102.51	115.32	126.10	422.18	133.39	149.42	164.17	169.26	616.24	186.08	199.48	213.51	228.89	827.96
YoY growth (%)	109.3%	124.1%	105.9%	92.1%	106.1%	70.5%	45.8%	42.4%	34.2%	46.0%	39.5%	33.5%	30.1%	35.2%	34.4%
Total gross profit	53.51	73.97	82.45	94.64	304.56	100.08	114.89	130.11	131.18	476.25	143.47	154.80	165.68	179.90	643.85
Gross margin	68.4%	72.2%	71.5%	75.1%	72.1%	75.0%	76.9%	79.3%	77.5%	77.3%	77.1%	77.6%	77.6%	78.6%	77.8%
Sales & Marketing	53.21	66.48	69.01	73.14	261.84	84.10	82.21	81.91	86.00	334.22	92.37	91.44	90.53	95.96	370.30
Research & Development	35.38	41.04	37.84	39.56	153.82	39.95	38.26	36.26	38.43	152.90	39.78	40.10	40.82	42.04	162.74
General & Administrative	22.36	24.54	25.19	25.67	97.77	26.84	27.84	30.13	30.43	115.24	31.07	31.65	31.96	32.60	127.28
Operating Income / (Loss)	(57.44)	(58.10)	(49.59)	(43.74)	(208.87)	(50.81)	(33.43)	(18.19)	(23.69)	(126.11)	(19.75)	(8.39)	2.37	9.30	(16.46)
Operating margin	-73.4%	-56.7%	-43.0%	-34.7%	-49.5%	-38.1%	-22.4%	-11.1%	-14.0%	-20.5%	-10.6%	-4.2%	1.1%	4.1%	-2.0%
Net Income	(56.98)	(55.87)	(44.39)	(37.39)	(194.63)	(42.30)	(24.61)	(7.73)	(13.23)	(87.86)	(9.29)	2.07	12.83	19.76	25.38
Non-GAAP EPS	(0.21)	(0.20)	(0.16)	(0.13)	(0.70)	(0.15)	(0.08)	(0.03)	(0.04)	(0.30)	(0.03)	0.01	0.04	0.07	0.08
GAAP EPS	(0.33)	(0.35)	(0.35)	(0.33)	(1.36)	(0.37)	(0.29)	(0.24)	(0.25)	(1.15)	(0.27)	(0.22)	(0.19)	(0.15)	(0.84)
Total share count	270	277	281	284	278	288	293	297	301	295	301	302	302	302	302
Net Cash from Operating Activities	(49.35)	(62.12)	(59.74)	(22.07)	(193.29)	(28.06)	(11.90)	(22.23)	(3.83)	(66.02)	(6.11)	(1.51)	19.64	31.15	43.17
Free cash flow	(54.73)	(66.87)	(64.72)	(25.37)	(211.69)	(31.43)	(15.19)	(26.38)	(9.22)	(82.22)	(11.63)	(5.51)	13.07	27.61	23.55
FCF Margin	-69.9%	-65.2%	-56.1%	-20.1%	-50.1%	-23.6%	-10.2%	-16.1%	-5.4%	-13.3%	-6.2%	-2.8%	6.1%	12.1%	2.8%
Cash & Cash Equivalents	766.10	269.49	210.47	137.94	137.94	150.10	133.07	127.34	118.12	118.12	106.49	100.98	114.06	141.67	141.67
Margin Analysis															
Total Gross Margin	68.4%	72.2%	71.5%	75.1%	72.1%	75.0%	76.9%	79.3%	77.5%	77.3%	77.1%	77.6%	77.6%	78.6%	77.8%
Sales & Marketing	68.0%	64.9%	59.8%	58.0%	62.0%	63.0%	55.0%	49.9%	50.8%	54.2%	49.6%	45.8%	42.4%	41.9%	44.7%
Research & Development	45.2%	40.0%	32.8%	31.4%	36.4%	29.9%	25.6%	22.1%	22.7%	24.8%	21.4%	20.1%	19.1%	18.4%	19.7%
General & Administrative	28.6%	23.9%	21.8%	20.4%	23.2%	20.1%	18.6%	18.4%	18.0%	18.7%	16.7%	15.9%	15.0%	14.2%	15.4%
Operating Margin	-73.4%	-56.7%	-43.0%	-34.7%	-49.5%	-38.1%	-22.4%	-11.1%	-14.0%	-20.5%	-10.6%	-4.2%	1.1%	4.1%	-2.0%
Net Income	-72.8%	-54.5%	-38.5%	-29.7%	-46.1%	-31.7%	-16.5%	-4.7%	-7.8%	-14.3%	-5.0%	1.0%	6.0%	8.6%	3.1%
YoY Growth															
Total Revenue	109.3%	124.1%	105.9%	92.1%	106.1%	70.5%	45.8%	42.4%	34.2%	46.0%	39.5%	33.5%	30.1%	35.2%	34.4%
Total Operating Expenses	64.5%	80.0%	73.4%	60.0%	69.2%	36.0%	12.3%	12.3%	11.9%	17.3%	8.2%	10.0%	10.1%	10.2%	9.6%
Operating Income	21.0%	29.1%	28.0%	0.9%	19.7%	-11.5%	-42.5%	-63.3%	-45.8%	188.3%	-61.1%	-74.9%	-113.0%	-139.3%	-30.5%
Net Income	17.5%	21.5%	11.1%	-15.0%	9.1%	-25.8%	-56.0%	-82.6%	-64.6%	135.0%	-78.0%	-108.4%	-266.1%	-249.4%	-291.8%
QoQ Growth															
Total revenue	19.2%	31.0%	12.5%	9.3%		5.8%	12.0%	9.9%	3.1%		9.9%	7.2%	7.0%	7.2%	
Total Operating expenses	28.3%	-56.5%	19.0%	4.8%		9.0%	-1.7%	0.0%	4.4%		5.4%	0.0%	0.1%	4.5%	
Operating Income	32.5%	-66.7%	-13.7%	-24.7%		16.2%	-34.2%	-45.6%	30.3%		-16.6%	-57.5%	-128.3%	291.9%	
Net Income	29.6%	-68.7%	-22.1%	-33.1%		13.1%	-41.8%	-68.6%	71.3%		-29.8%	-122.3%	518.7%	54.0%	

Source: BofA Global Research estimates, company report

BofA GLOBAL RESEARCH

Price objective basis & risk

SentinelOne, Inc. (S)

Our PO of \$35 is based on 13x our FY25E EV/Sales, a discount to the roughly 14x multiple at which its key competitor trades, reflecting SentinelOne's lower scale, margins, and free cash flow generation. We choose EV/Sales as our valuation metric due to SentinelOne's early growth stage and investment period creating outsized operating losses in the near-term.

Downside risks to our PO are 1) investor sentiment and sensitivity to the premium valuation levels, 2) a lower take-rate of new offerings, 3) material slowdown in new customer adoption and platform expansion deals, 4) risk of security breaches, and 5) an increase in competition from incumbent vendors and other next-gen players.

Upside risks to our PO are 1) increased growth within the endpoint security market, 2) higher adoption of adjacent products, 3) better-than-expected enterprise IT spending, 4) material increase in new customer adds, and 5) further growth of offerings into new markets.

Analyst Certification

I, Tal Liani, hereby certify that the views expressed in this research report accurately reflect my personal views about the subject securities and issuers. I also certify that no part of my compensation was, is, or will be, directly or indirectly, related to the specific recommendations or view expressed in this research report.

US - Telecom and Data Networking Equipment Coverage Cluster

Investment rating	Company	BofA Ticker	Bloomberg symbol	Analyst
BUY				
	Akamai	AKAM	AKAM US	Madeline Brooks
	Amdocs	DOX	DOX US	Tal Liani
	Arista Networks	ANET	ANET US	Tal Liani
	Check Point Software Technologies	CHKP	CHKP US	Tal Liani
	Ciena	CIEN	CIEN US	Tal Liani
	CrowdStrike Holdings Inc.	CRWD	CRWD US	Tal Liani
	CyberArk	CYBR	CYBR US	Tal Liani
	Fastly	FSLY	FSLY US	Madeline Brooks
	Fortinet	FTNT	FTNT US	Tal Liani
	Gen Digital, Inc.	GEN	GEN US	Jonathan Eisenson
	InterDigital, Inc.	IDCC	IDCC US	Tal Liani
	Motorola Solutions	MSI	MSI US	Tomer Zilberman
	Qualcomm	QCOM	QCOM US	Tal Liani
	SentinelOne, Inc.	S	S US	Tal Liani
	Zscaler	ZS	ZS US	Tal Liani
NEUTRAL				
	Cellebrite	CLBT	CLBT US	Tal Liani
	Cisco Systems	CSCO	CSCO US	Tal Liani
	Palo Alto Networks	PANW	PANW US	Tal Liani
UNDERPERFORM				
	Cloudflare	NET	NET US	Madeline Brooks
	CommScope	COMM	COMM US	Tal Liani
	F5 Inc	FFIV	FFIV US	Tal Liani
	Okta Inc	OKTA	OKTA US	Madeline Brooks
	SecureWorks	SCWX	SCWX US	Tal Liani

IQmethod[™] Measures Definitions

Business Performance	Numerator	Denominator
Return On Capital Employed	NOPAT = (EBIT + Interest Income) \times (1 - Tax Rate) + Goodwill Amortization	Total Assets — Current Liabilities + ST Debt + Accumulated Goodwill
		Amortization
Return On Equity	Net Income	Shareholders' Equity
Operating Margin	Operating Profit	Sales
Earnings Growth	Expected 5 Year CAGR From Latest Actual	N/A
Free Cash Flow	Cash Flow From Operations – Total Capex	N/A
Quality of Earnings	Numerator	Denominator
Cash Realization Ratio	Cash Flow From Operations	Net Income
Asset Replacement Ratio	Capex	Depreciation
Tax Rate	Tax Charge	Pre-Tax Income
Net Debt-To-Equity Ratio	Net Debt = Total Debt — Cash & Equivalents	Total Equity
Interest Cover	EBIT	Interest Expense
		'
Valuation Toolkit	Numerator	Denominator
Price / Earnings Ratio	Current Share Price	Diluted Earnings Per Share (Basis As Specified)
Price / Book Value	Current Share Price	Shareholders' Equity / Current Basic Shares
Dividend Yield	Annualised Declared Cash Dividend	Current Share Price
Free Cash Flow Yield	Cash Flow From Operations – Total Capex	Market Cap = Current Share Price × Current Basic Shares
Enterprise Value / Sales	EV = Current Share Price × Current Shares + Minority Equity + Net Debt +	Sales
•	Other LT Liabilities	

EV / EBITDA Enterprise Value Basic EBIT + Depreciation + Amortization

Menethod 3*is the set of BofA Global Research standard measures that serve to maintain global consistency under three broad headings: Business Performance, Quality of Earnings, and validations. The key features of iQmethod are: A consistently structured, detailed, and transparent methodology. Guidelines to maximize the effectiveness of the comparative valuation process, and to identify some common pitfalls.

Redatabase is our real-time global research database that is sourced directly from our equity analysts' earnings models and includes forecasted as well as historical data for income statements, balance sheets, and cash flow statements for companies covered by BofA Global Research.

IQprofile^{≤M}, **IQ**method^{≤M} are service marks of Bank of America Corporation. **IQ**database® is a registered service mark of Bank of America Corporation.

Disclosures

Important Disclosures

SentinelOne (S) Price Chart



B: Buy, N: Neutral, U: Underperform, PO: Price Objective, NA: No longer valid, NR: No Rating

The Investment Opinion System is contained at the end of the report under the heading 'Fundamental Equity Opinion Key'. Dark grey shading indicates the security is restricted with the opinion suspended. Medium grey shading indicates the security is under review with the opinion withdrawn. Light grey shading indicates the security is not covered. Chart is current as of a date no more than one trading day prior to the date of the report.

Equity Investment Rating Distribution: Telecommunications Group (as of 31 Dec 2023)

Coverage Universe	Count	Percent	Inv. Banking Relationships R1	Count	Percent
Buy	57	51.82%	Buy	43	75.44%
Hold	27	24.55%	Hold	17	62.96%
Sell	26	23.64%	Sell	12	46.15%

Equity Investment Rating Distribution: Global Group (as of 31 Dec 2023)

Coverage Universe	Count	Percent	Inv. Banking Relationships R1	Count	Percent
Buy	1895	53.62%	Buy	1083	57.15%
Hold	832	23.54%	Hold	454	54.57%
Sell	807	22.84%	Sell	383	47.46%

RI Issuers that were investment banking clients of BofA Securities or one of its affiliates within the past 12 months. For purposes of this Investment Rating Distribution, the coverage universe includes only stocks. A stock rated Neutral is included as a Hold, and a stock rated Underperform is included as a Sell.

FUNDAMENTAL EQUITY OPINION KEY: Opinions include a Volatility Risk Rating, an Investment Rating and an Income Rating. VOLATILITY RISK RATINGS, indicators of potential price fluctuation, are: A - Low, B - Medium and C - High. INVESTMENT RATINGS reflect the analyst's assessment of both a stock's absolute total return potential as well as its attractiveness for investment relative to other stocks within its Coverage Cluster (defined below). Our investment ratings are: 1 - Buy stocks are expected to have a total return of at least 10% and are the most attractive stocks in the coverage cluster; 2 - Neutral stocks are expected to remain flat or increase in value and are less attractive than Buy rated stocks and 3 - Underperform stocks are the least attractive stocks in a coverage cluster. An investment rating of 6 (No Rating) indicates that a stock is no longer trading on the basis of fundamentals. Analysts assign investment ratings considering, among other things, the 0-12 month total return expectation for a stock and the firm's guidelines for ratings dispersions (shown in the table below). The current price objective for a stock should be referenced to better understand the total return expectation at any given time. The price objective reflects the analyst's view of the potential price appreciation (depreciation).

Total return expectation (within 12-month period of date of initial Ratings dispersion guidelines for coverage cluster^{R2} **Investment rating** rating)

Buy	≥ 10%	≤ 70%
Neutral	≥ 0%	≤ 30%
Inderperform	N/A	> 20%

R2Ratings dispersions may vary from time to time where BofA Global Research believes it better reflects the investment prospects of stocks in a Coverage Cluster.

INCOME RATINGS, indicators of potential cash dividends, are: 7 - same/higher (dividend considered to be secure), 8 - same/lower (dividend not considered to be secure) and 9 - pays no cash dividend. Coverage Cluster is comprised of stocks covered by a single analyst or two or more analysts sharing a common industry, sector, region or other classification(s). A stock's coverage cluster is included in the most recent BofA Global Research report referencing the stock.

Price Charts for the securities referenced in this research report are available on the Price Charts website, or call 1-800-MERRILL to have them mailed.

BofAS or one of its affiliates acts as a market maker for the equity securities recommended in the report: SentinelOne.

BofAS or an affiliate has received compensation from the issuer for non-investment banking services or products within the past 12 months: SentinelOne.

The issuer is or was, within the last 12 months, a non-securities business client of BofAS and/or one or more of its affiliates: SentinelOne.

BofAS or one of its affiliates is willing to sell to, or buy from, clients the common equity of the issuer on a principal basis: SentinelOne.

BofA Global Research personnel (including the analyst(s) responsible for this report) receive compensation based upon, among other factors, the overall profitability of Bank of America Corporation, including profits derived from investment banking. The analyst(s) responsible for this report may also receive compensation based upon, among other factors, the overall profitability of the Bank's sales and trading businesses relating to the class of securities or financial instruments for which such analyst is responsible.



12

Other Important Disclosures

From time to time research analysts conduct site visits of covered issuers. BofA Global Research policies prohibit research analysts from accepting payment or reimbursement for travel expenses from the issuer for such visits.

Prices are indicative and for information purposes only. Except as otherwise stated in the report, for any recommendation in relation to an equity security, the price referenced is the publicly traded price of the security as of close of business on the day prior to the date of the report or, if the report is published during intraday trading, the price referenced is indicative of the traded price as of the date and time of the report and in relation to a debt security (including equity preferred and CDS), prices are indicative as of the date and time of the report and are from various sources including BofA Securities trading desks.

The date and time of completion of the production of any recommendation in this report shall be the date and time of dissemination of this report as recorded in the report timestamp.

Recipients who are not institutional investors or market professionals should seek the advice of their independent financial advisor before considering information in this report in connection with any investment decision, or for a necessary explanation of its contents.

Officers of BofAS or one or more of its affiliates (other than research analysts) may have a financial interest in securities of the issuer(s) or in related investments. Refer to BofA Global Research policies relating to conflicts of interest.

'BofA Securities' includes BofA Securities, Inc. ('BofAS') and its affiliates. Investors should contact their BofA Securities representative or Merrill Global Wealth Management financial advisor if they have questions concerning this report or concerning the appropriateness of any investment idea described herein for such investor. 'BofA Securities' is a global brand for BofA Global Research.

Information relating to Non-US affiliates of BofA Securities and Distribution of Affiliate Research Reports:

BofAS and/or Merrill Lynch, Pierce, Fenner & Smith Incorporated ("MLPF&S") may in the future distribute, information of the following non-US affiliates in the US (short name: legal name, regulator): Merrill Lynch (South Africa): Merrill Lynch South Africa (Pty) Ltd., regulated by The Financial Service Board; MLI (UK): Merrill Lynch International, regulated by the Financial Conduct Authority (FCA) and the Prudential Regulation Authority (PRA); BofASE (France): BofA Securities Europe SA is authorized by the Autorité de Contrôle Prudential et de Résolution (ACPR) and regulated by the ACPR and the Autorité des Marchés Financiers (AMF). BofA Securities Europe SA ("BofASE") with registered address at 51, rue La Boétie, 75008 Paris is registered under no 842 602 690 RCS Paris. In accordance with the provisions of French Code Monétaire et Financier (Monetary and Financial Code), BofASE is an établissement de crédit et d'investissement (credit and investment institution) that is authorised and supervised by the European Central Bank and the Autorité de Contrôle Prudentiel et de Résolution (ACPR) and regulated by the ACPR and the Autorité des Marchés Financiers. BofASE's share capital can be found at www.bofaml.com/BofASEdisclaimer; BofA Europe (Milan). Bank of America Europe Designated Activity Company, Milan Branch, regulated by the Bank of Italy, the European Central Bank (ECB) and the Central Bank of Ireland (CBI); BofA Europe (Frankfurt): Bank of America Europe Designated Activity Company, Frankfurt Branch regulated by BaFin, the ECB and the CBI; BofA Europe (Madrid): Bank of America Europe Designated Activity Company, Sucursal en España, regulated by the Bank of Spain, the ECB and the CBI; Merrill Lynch (Australia): Merrill Lynch (Hong Kong): Merrill (Hong Kong): Merr (Asia Pacific) Limited, regulated by the Hong Kong Securities and Futures Commission (HKSFC); Merrill Lynch (Singapore): Merrill Lynch (Singapore) Pte Ltd, regulated by the Monetary Authority of Singapore (MAS); Merrill Lynch (Canada): Merrill Lynch (Canada): Merrill Lynch (Canada): Merrill Lynch (Mexico): Merrill Ly de Bolsa, regulated by the Comisión Nacional Bancaría y de Valores; Merrill Lynch (Argentina): Merrill Lynch Argentina SA, regulated by Comisión Nacional de Valores; BofAS Japan: BofA Securities Japan Co., Ltd., regulated by the Financial Services Agency; Merrill Lynch (Seoul): Merrill Lynch International, LLC Seoul Branch, regulated by the Financial Supervisory Service; Merrill Lynch (Taiwan): Merrill Lynch Securities (Taiwan) Ltd., regulated by the Securities and Futures Bureau; BofAS India: BofA Securities India Limited, regulated by the Securities and Exchange Board of India (SEBI); Merrill Lynch (Israel): Merrill Lynch (Israel): Merrill Lynch (Israel) intended by Israel Securities Authority; Merrill Lynch (DIFC): Merrill Lynch International (DIFC Branch), regulated by the Dubai Financial Services Authority (DFSA); Merrill Lynch (Brazil): Merrill Lynch S.A. Corretora de Títulos e Valores Mobiliários, regulated by Comissão de Valores Mobiliários; Merrill Lynch KSA Company: Merrill Lynch Kingdom of Saudi Arabia Company, regulated by the Capital Market Authority.

This information: has been approved for publication and is distributed in the United Kingdom (UK) to professional clients and eligible counterparties (as each is defined in the rules of the FCA and the PRA) by MLI (UK), which is authorized by the PRA and regulated by the FCA and the PRA - details about the extent of our regulation by the FCA and PRA are available from us on request; has been approved for publication and is distributed in the European Economic Area (EEA) by BofASE (France), which is authorized by the ACPR and regulated by the ACPR and the AMF; has been considered and distributed in Japan by BofAS Japan, a registered securities dealer under the Financial Instruments and Exchange Act in Japan, or its permitted affiliates; is issued and distributed in Hong Kong by Merrill Lynch (Hong Kong) which is regulated by HKSFC; is issued and distributed in Taiwan by Merrill Lynch (Taiwan); is issued and distributed in India by BofAS India; and is issued and distributed in Singapore to institutional investors and/or accredited investors (each as defined under the Financial Advisers Regulations) by Merrill Lynch (Singapore) (Company Registration No 198602883D). Merrill Lynch (Singapore) is regulated by MAS. Merrill Lynch Equities (Australia) Limited (ABN 65 006 276 795), AFS License 235132 (MLEA) distributes this information in Australia only to 'Wholesale' clients as defined by s.761G of the Corporations Act 2001. With the exception of Bank of America N.A., Australia Branch, neither MLEA nor any of its affiliates involved in preparing this information is an Authorised Deposit-Taking Institution under the Banking Act 1959 nor regulated by the Australian Prudential Regulation Authority. No approval is required for publication or distribution of this information in Brazil and its local distribution is by Merrill Lynch (Brazil) in accordance with applicable regulations. Merrill Lynch (DIFC) is authorized and regulated by the DFSA Information in Germany and is regulated by Merrill Lynch (DIFC) is done so in accord

This information has been prepared and issued by BofAS and/or one or more of its non-US affiliates. The author(s) of this information may not be licensed to carry on regulated activities in your jurisdiction and, if not licensed, do not hold themselves out as being able to do so. BofAS and/or MLPF&S is the distributor of this information in the US and accepts full responsibility for information distributed to BofAS and/or MLPF&S clients in the US by its non-US affiliates. Any US person receiving this information and wishing to effect any transaction in any security discussed herein should do so through BofAS and/or MLPF&S and not such foreign affiliates. Hong Kong recipients of this information should contact Merrill Lynch (Asia Pacific) Limited in respect of any matters relating to dealing in securities or provision of specific advice on securities or any other matters arising from, or in connection with, this information. Singapore recipients of this information should contact Merrill Lynch (Singapore) Pte Ltd in respect of any matters arising from, or in connection with, this information. For clients that are not accredited investors, expert investors or institutional investors Merrill Lynch (Singapore) Pte Ltd accepts full responsibility for the contents of this information distributed to such clients in Singapore.

General Investment Related Disclosures:

Taiwan Readers: Neither the information nor any opinion expressed herein constitutes an offer or a solicitation of an offer to transact in any securities or other financial instrument. No part of this report may be used or reproduced or quoted in any manner whatsoever in Taiwan by the press or any other person without the express written consent of BofA Securities. This document provides general information only, and has been prepared for, and is intended for general distribution to, BofA Securities clients. Neither the information nor any opinion expressed constitutes an offer or an invitation to make an offer, to buy or sell any securities or other financial instrument or any derivative related to such securities or instruments (e.g., options, futures, warrants, and contracts for differences). This document is not intended to provide personal investment advice and it does not take into account the specific investment objectives, financial situation and the particular needs of, and is not directed to, any specific person(s). This document and its content do not constitute, and should not be considered to constitute, investment advice for purposes of ERISA, the US tax code, the Investment Advisers Act or otherwise. Investors should seek financial advice regarding the appropriateness of investing in financial instruments and implementing investment strategies discussed or recommended in this document and should understand that statements regarding future prospects may not be realized. Any decision to purchase or subscribe for securities in any offering must be based solely on existing public information on such security or the information in the prospectus or other offering document issued in connection with such offering, and not on this document.

Securities and other financial instruments referred to herein, or recommended, offered or sold by BofA Securities, are not insured by the Federal Deposit Insurance Corporation and are not deposits or other obligations of any insured depository institution (including, Bank of America, N.A.). Investments in general and, derivatives, in particular, involve numerous risks, including, among others, market risk, counterparty default risk and liquidity risk. No security, financial instrument or derivative is suitable for all investors. Digital assets are extremely speculative, volatile and are largely unregulated. In some cases, securities and other financial instruments may be difficult to value or sell and reliable information about the value or risks related to the security or financial instrument may be difficult to obtain. Investors should note that income from such securities and other financial instruments, if any, may fluctuate and that price or value of such



securities and instruments may rise or fall and, in some cases, investors may lose their entire principal investment. Past performance is not necessarily a guide to future performance. Levels and basis for taxation may change.

This report may contain a short-term trading idea or recommendation, which highlights a specific near-term catalyst or event impacting the issuer or the market that is anticipated to have a short-term price impact on the equity securities of the issuer. Short-term trading ideas and recommendations are different from and do not affect a stock's fundamental equity rating, which reflects both a longer term total return expectation and attractiveness for investment relative to other stocks within its Coverage Cluster. Short-term trading ideas and recommendations may be more or less positive than a stock's fundamental equity rating.

BofA Securities is aware that the implementation of the ideas expressed in this report may depend upon an investor's ability to "short" securities or other financial instruments and that such action may be limited by regulations prohibiting or restricting "shortselling" in many jurisdictions. Investors are urged to seek advice regarding the applicability of such regulations prior to executing any short idea contained in this report.

Foreign currency rates of exchange may adversely affect the value, price or income of any security or financial instrument mentioned herein. Investors in such securities and instruments, including ADRs, effectively assume currency risk.

BofAS or one of its affiliates is a regular issuer of traded financial instruments linked to securities that may have been recommended in this report. BofAS or one of its affiliates may, at any time, hold a trading position (long or short) in the securities and financial instruments discussed in this report.

BofA Securities, through business units other than BofA Global Research, may have issued and may in the future issue trading ideas or recommendations that are inconsistent with, and reach different conclusions from, the information presented herein. Such ideas or recommendations may reflect different time frames, assumptions, views and analytical methods of the persons who prepared them, and BofA Securities is under no obligation to ensure that such other trading ideas or recommendations are brought to the attention of any recipient of this information. In the event that the recipient received this information pursuant to a contract between the recipient and BofAS for the provision of research services for a separate fee, and in connection therewith BofAS may be deemed to be acting as an investment adviser, such status relates, if at all, solely to the person with whom BofAS has contracted directly and does not extend beyond the delivery of this report (unless otherwise agreed specifically in writing by BofAS). If such recipient uses the services of BofAS in connection with the sale or purchase of a security referred to herein, BofAS may act as principal for its own account or as agent for another person. BofAS is and continues to act solely as a broker-dealer in connection with the execution of any transactions, including transactions in any securities referred to herein.

BofA ESGMeter Methodology:

ESGMeter is a proprietary metric based on quantitative analysis and fundamental analyst inputs that reflects our assessment of a company's Environmental, Social and Governance-related attributes. The ESGMeter is intended to indicate a company's likelihood of experiencing stronger financial stability (higher return on equity and lower earnings and price volatility) over the next three years relative to peer group. There are three ESGMeter levels - Low, Medium, and High - which indicate whether a company has attributes most likely to translate into superior financial stability (in the case of a High level) or weaker financial stability (in the case of a Low level) over the next three years relative to its peer group. A Medium level suggests that a company exhibits ESG characteristics that are likely associated with financial stability results in line with its peer group over the next three years. Full details of our methodology, financial stability definition and disclaimers are available at BofA ESGMeter methodology. ESGMeter is not indicative of a company's future stock price performance and is not an investment recommendation or rating. ESGMeter is independent of the BofA Global Research fundamental equity analyst's investment rating, volatility risk rating, income rating or price objective for that company.

Copyright and General Information:

Copyright 2024 Bank of America Corporation. All rights reserved. iQdatabase® is a registered service mark of Bank of America Corporation. This information is prepared for the use of BofA Securities clients and may not be redistributed, retransmitted or disclosed, in whole or in part, or in any form or manner, without the express written consent of BofA Securities. BofA Global Research information is distributed simultaneously to internal and client websites and other portals by BofA Securities and is not publicly-available material. Any unauthorized use or disclosure is prohibited. Receipt and review of this information constitutes your agreement not to redistribute, retransmit, or disclose to others the contents, opinions, conclusion, or information contained herein (including any investment recommendations, estimates or price targets) without first obtaining express permission from an authorized officer of BofA Securities. Materials prepared by BofA Global Research personnel are based on public information. Facts and views presented in this material have not been reviewed by, and may not reflect information known to, professionals in other business areas of BofA Securities, including investment banking personnel. BofA Securities has established information barriers between BofA Global Research and certain business groups. As a result, BofA Securities does not disclose certain client relationships with, or compensation received from, such issuers. To the extent this material discusses any legal proceeding or issues, it has not been prepared as nor is it intended to express any legal conclusion, opinion or advice. Investors should consult their own legal advisers as to issues of law relating to the subject matter of this material. BofA Global Research personnel's knowledge of legal proceedings in which any BofA Securities entity and/or its directors, officers and employees may be plaintiffs, defendants, co-defendants or co-plaintiffs with or involving issuers mentioned in this material is based on public inform

This information has been prepared independently of any issuer of securities mentioned herein and not in connection with any proposed offering of securities or as agent of any issuer of any securities. None of BofAS any of its affiliates or their research analysts has any authority whatsoever to make any representation or warranty on behalf of the issuer(s). BofA Global Research policy prohibits research personnel from disclosing a recommendation, investment rating, or investment thesis for review by an issuer prior to the publication of a research report containing such rating, recommendation or investment thesis.

Any information relating to the tax status of financial instruments discussed herein is not intended to provide tax advice or to be used by anyone to provide tax advice. Investors are urged to seek tax advice based on their particular circumstances from an independent tax professional.

The information herein (other than disclosure information relating to BofA Securities and its affiliates) was obtained from various sources and we do not guarantee its accuracy. This information may contain links to third-party websites. BofA Securities is not responsible for the content of any third-party website or any linked content contained in a third-party website. Content contained on such third-party websites is not part of this information and is not incorporated by reference. The inclusion of a link does not imply any endorsement by or any affiliation with BofA Securities. Access to any third-party website is at your own risk, and you should always review the terms and privacy policies at third-party websites before submitting any personal information to them. BofA Securities is not responsible for such terms and privacy policies and expressly disclaims any liability for them.

All opinions, projections and estimates constitute the judgment of the author as of the date of publication and are subject to change without notice. Prices also are subject to change without notice. BofA Securities is under no obligation to update this information and BofA Securities ability to publish information on the subject issuer(s) in the future is subject to applicable quiet periods. You should therefore assume that BofA Securities will not update any fact, circumstance or opinion contained herein.

Subject to the quiet period applicable under laws of the various jurisdictions in which we distribute research reports and other legal and BofA Securities policy-related restrictions on the publication of research reports, fundamental equity reports are produced on a regular basis as necessary to keep the investment recommendation current.

Certain outstanding reports or investment opinions relating to securities, financial instruments and/or issuers may no longer be current. Always refer to the most recent research report relating to an issuer prior to making an investment decision.

In some cases, an issuer may be classified as Restricted or may be Under Review or Extended Review. In each case, investors should consider any investment opinion relating to such issuer (or its security and/or financial instruments) to be suspended or withdrawn and should not rely on the analyses and investment opinion(s) pertaining to such issuer (or its securities and/or financial instruments) nor should the analyses or opinion(s) be considered a solicitation of any kind. Sales persons and financial advisors affiliated with BofAS or any of its affiliates may not solicit purchases of securities or financial instruments that are Restricted or Under Review and may only solicit securities under Extended Review in accordance with firm policies.

Neither BofA Securities nor any officer or employee of BofA Securities accepts any liability whatsoever for any direct, indirect or consequential damages or losses arising from any use of this information.

