

# EQUITY RESEARCH

August 3, 2023

Industry Update

# Canadian VC Funding – Bits & Bytes Weekly

Canadian Venture Capital Revival

#### **Our Conclusion**

After an explosive year of venture capital (VC) investing in 2021, start-up funding came to a near standstill in late 2022. The first quarter of 2023 represented a three-year low for Toronto in terms of total venture capital invested, with \$120 million raised, down 94% Y/Y. However, Canadian venture capitalists appeared to return to the playing field in Q2, with tech start-ups in Toronto raising \$1 billion during the quarter, up significantly over Q1 and up 71% Y/Y. The Q2 uptick in Canada contrasts with the broader North American environment, where start-up funding continues to decline Y/Y. The current valuation environment could prove to be an attractive entry point for Canadian venture capitalists; data from the BDC shows that Canadian VC managers that raised funds in 2011-2013 after the financial crisis delivered their best net returns over the last 10 years.

#### **Key Points**

**Deal Volume Remains Low, But Average Deal Size Is Increasing:** The \$1 billion raised in Toronto in Q2 was spread over 33 deals, a sharp increase over the 16 deals in Q1/23 but still marking a 27% Y/Y decline in total number of deals. Despite this, the average deal size in Toronto for Q2 was \$33 million, vs. \$13 million in Q2/22. In Vancouver, BC tech start-ups raised ~\$640 million in Q2/23, a 213% increase Y/Y. BC deals totalled 16 in Q2/23, for an average deal size of \$40 million, vs. 21 deals at an average size of \$10 million in Q2/22. Notable large funding raises in Q2 included Cohere's \$360 million Series C and AbCellera's \$300 million raise.

**Seed Funding In Canada Remains Relatively Absent:** In 2021, Toronto and British Columbia started to see a decline in seed-stage and early-stage deals, and an increase in later-stage investments. That trend has continued, with only five seed-stage deals and five pre-seed deals closed in Toronto in Q2/23, while the remainder of the 33 deals were Series A or later, according to briefed.in data. In BC, only six of the 16 deals in Q2 were pre-seed or seed-stage. Canadian venture capitalists appear to be narrowing their focus to larger investments in Series A or later rounds in a few start-ups vs. small seed-stage investments spread across multiple start-ups.

#### Canada's Individual Performance Contrasts With Overall North

**America:** Despite the increase in funding for start-ups in Toronto and BC during Q2, venture funding for the whole of North America decreased Y/Y, according to Crunchbase data. Seed-stage funding fell 39% Y/Y to \$3 billion, representing a decrease of 13% Q/Q. Early-stage funding dipped to \$13.5 billion, decreasing 47% Y/Y, though only 2% Q/Q. The largest Y/Y declines were in late-stage funding, which totaled \$15.3 billion in Q2/23, decreasing 54% Y/Y and 48% Q/Q. Given late-stage valuations are often tied to the IPO market, which has only just begun to recover, the weakness in late-stage funding Y/Y is not necessarily surprising. On the upside, as the IPO market <u>comes back</u>, late-stage funding in pre-IPO rounds should also return.

All figures in U.S. unless otherwise stated.

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### Sector: Information Technology

For required regulatory disclosures please refer to "Important Disclosures" beginning on page 9.

## **Canadian VC Historical Activity**

Canada's VC industry has experienced significant growth over the last 10 years, which can be attributed to the government's incentive programs, including the Venture Capital Action Plan, and the Venture Capital Catalyst Initiative, which was introduced with the 2021 Budget and provides government funding and in 2022 attracted 2.5 dollars of private investment for each government dollar. The line chart in Exhibit 1 showcases Canadian VC activity since 2000, plotted against Y/Y GDP growth and the BoC overnight rate.

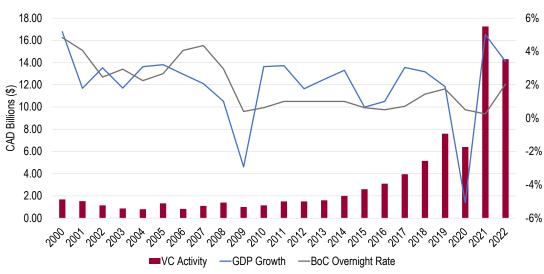


Exhibit 1: Canada – VC Funding, 2000 - Present

Source: BDC and CIBC World Markets Inc.

When the BoC shifted to monetary tightening in 2022, VC activity began to decline, as can be seen by the sharp drop in funding and volume from Q1/22 to Q2/22 in the bar chart in Exhibit 2. Data from briefed in shows a continuous decline in deal volume from Q1/22 to Q1/23, with Q2/23 marking the first quarter of increased deal volume in Canada since early 2022, and the total investment of \$2.5 billion increasing significantly over Q1/23.

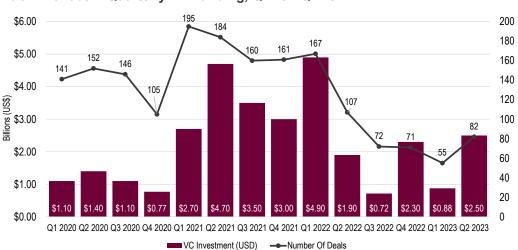


Exhibit 2: Canada – Quarterly VC Funding, Q1/20 - Q2/23

Source: briefed.in and CIBC World Markets Inc.

# **News Impacting Our Coverage**

### **Research Highlights**

TRI – Downgrading To Neutral On Valuation: Waiting For A Better Entry Point: As of August 2, we downgraded Thomson Reuters from Outperformer to Neutral, as strong YTD share price performance has reduced the return to our price target. Our downgrade is not the result of a change in view on TRI's strategy or of concerns about the impact of generative AI on the business, and we continue to believe that TRI remains a high-quality, defensive business with a solid management team. We are positive on TRI's build/partner/buy AI strategy, although meaningful revenue contribution from the technology is unlikely until the back half of 2024 and we expect some level of margin dilution in 2024 once Casetext is added to our model and TRI invests to best position itself. At 21.5x our 2024 EBITDA estimate, TRI shares are trading in line with the average peer multiple and we prefer to await a more attractive entry point rather than bank on additional multiple expansion. Our price target of \$140 remains unchanged, with limited changes to our 2024 estimates.

**ISV – Q2/23 First Look: Updated Guidance In Line With Expectations:** ISV reported a second quarter that was slightly below expectations, with revenue that was 2% below consensus and adjusted EBITDA 4% below consensus. ISV provided updated 2023 guidance to account for the extended and amended MSA with the Government of Saskatchewan and the updated figures were in line with our expectations. We do not expect the slight miss in the quarter to be viewed overly negatively, particularly with updated guidance in line with expectations.

### **Kinaxis Enhances Executive Leadership Team**

Kinaxis announced the appointment of a new Chief Product Officer and Chief Operating Officer. Andrew Bell, previously the company's VP Product Management, has been promoted to Chief Product Officer. He will oversee the company's engineering, development and product management teams. The Chief Product Officer role had been vacant for the past year. Kinaxis also promoted its former Chief Human Resources Officer, Megan Paterson, to the role of Chief Operating Officer, a newly created role. Ms. Paterson will have responsibility over cloud services, corporate IT, corporate strategy, HR and global real estate.

### Enghouse Completes Acquisition Of Lifesize Technologies For \$20.7 Million

Enghouse announced the completion of its acquisition of substantially all the assets of Lifesize, which was previously announced. The acquisition was approved under U.S. bankruptcy court for a purchase price of \$20.7 million. Lifesize's offerings include a cloud contact center solution with workforce management capabilities. Lifesize's offerings are designed for hybrid workforce environments, and include cloud-based video collaboration solutions that management expects to complement Enghouse's existing Vidyo suite of products.

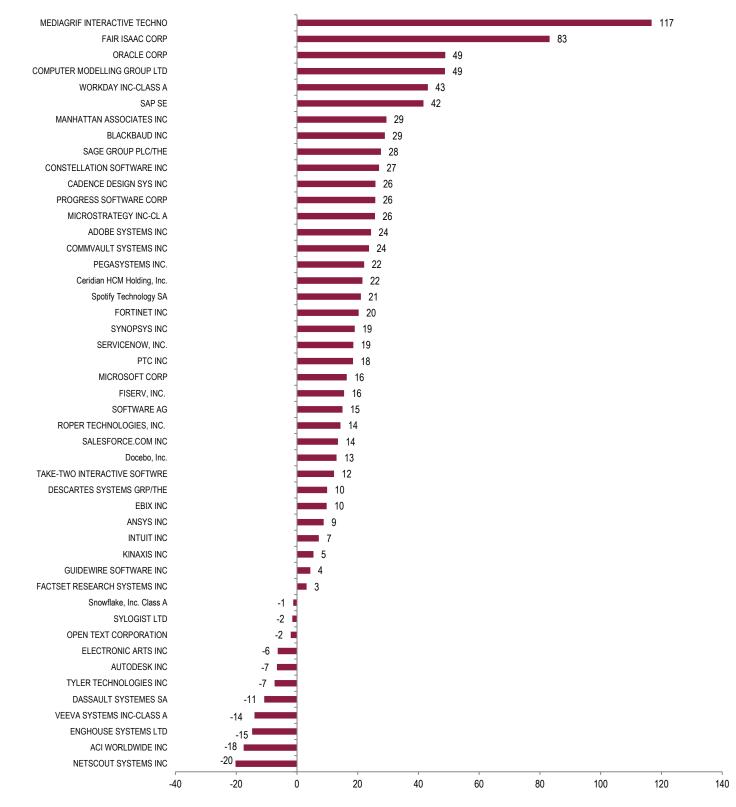
### Exhibit 3: CIBC Coverage – Price Returns, For The Period Ending August 3, 2023

Software & Systems	Price	1 Week	1 Month	3 Month	6 Month	1 Year	YTD	52W High	52W Low
Constellation Software Inc	2,670.01	(2.8)	(2.7)	(1.9)	14.2	27.0	28.9	2829.34	1747.83
Descartes Systems	74.55	(3.6)	(5.7)	(0.2)	(2.3)	5.6	7.0	82.02	61.26
Enghouse Systems Limited	28.21	(4.8)	(12.4)	(24.6)	(31.0)	(14.8)	(21.6)	44.59	27.30
Open Text Corp	40.26	(2.9)	(3.2)	7.1	16.0	(2.1)	35.8	43.25	24.91
Kinaxis	168.03	(5.3)	(11.2)	(5.3)	3.7	5.4	10.6	191.80	124.90
Docebo, Inc.	49.78	0.3	(5.1)	(2.4)	(7.6)	13.1	11.3	55.72	31.66
Dye & Durham	18.65	(2.1)	3.0	32.2	(15.6)	1.2	13.6	23.14	11.62
Altus Group	45.04	2.4	2.5	(13.2)	(21.8)	(13.9)	(16.7)	61.60	40.00
Q4 Inc.	4.12	1.2	24.8	14.4	66.1	NA	28.3	4.85	1.88
Average		(2.0)	(1.1)	0.7	2.4	2.7	10.8		

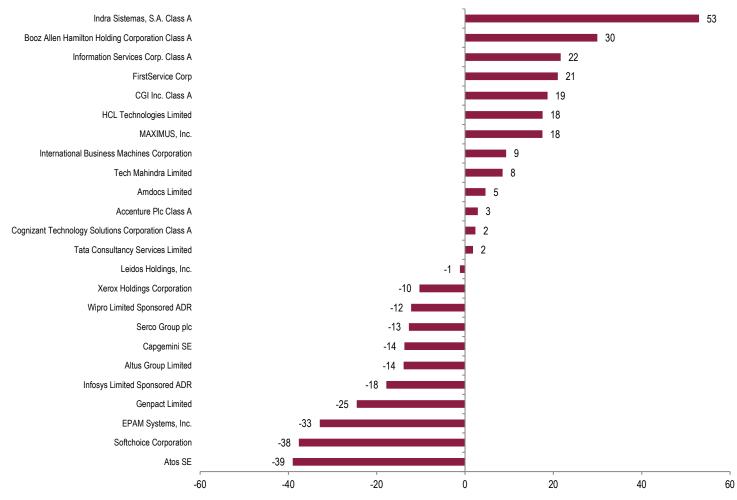
Business Services	Price	1 Week	1 Month	3 Month	6 Month	1 Year	YTD	52W High	52W Low
CGI Group Inc	131.17	0.7	(6.1)	(5.8)	7.5	18.7	12.4	142.31	100.74
Converge Technologies	3.06	(0.6)	(4.4)	(5.3)	(48.3)	(50.1)	(33.3)	7.51	2.59
Information Services Corp	25.79	(2.7)	21.7	15.3	16.7	21.7	6.7	26.98	20.16
Softchoice Corporation	14.89	(6.0)	(17.7)	(7.4)	(17.7)	(37.6)	(18.5)	25.56	13.57
Telus International	11.97	(4.0)	(40.4)	(55.3)	(61.7)	(65.9)	(55.2)	40.55	11.65
Average		(2.5)	(17.1)	(18.4)	(30.0)	(33.7)	(23.7)		

Indices	Price	1 Week	1 Month	3 Month	6 Month	1 Year	YTD
S&P/TSX Composite Index	20,149.77	(1.2)	(0.0)	(1.0)	(2.9)	3.1	3.9
S&P 500 Index	4,517.69	(0.4)	1.4	10.4	9.2	8.7	17.7
S&P/TSX Software Index	182.11	(2.5)	(4.7)	7.2	10.0	22.6	33.5
S&P500 Software Index	5,643.40	(0.7)	(1.0)	12.3	25.2	17.0	37.8

#### Exhibit 4: Software Stocks - Return Performance (%), 8/03/2022 - 8/03/2023



#### Exhibit 5: Business Services Stocks - Return Performance (%), 8/03/2022 - 8/03/2023



### Exhibit 6: Software Stocks – Comp Table, 2022 - 2024E

	Enterprise		EV/S			EV/EBITD/	A		P/E	
	Value (\$mlns.)	C22	C23E	C24E	C22	C23E	C24E	C22	C23E	C24E
Enterprise Application Software										
Constellation Software Inc.*	44,177	6.7x	5.6x	5.0x	26.0x	22.0x	19.5x	35.1x	32.4x	28.3x
BlackBerry Limited*	2,810	4.2x	2.5x	2.7x	NEG	>50	>50	NEG	NEG	NEG
Sage Group plc	10,270	5.1x	4.6x	4.3x	22.4x	19.7x	17.7x	34.6x	28.9x	25.8x
Tyler Technologies, Inc.	16,879	9.1x	8.6x	7.9x	35.5x	34.6x	30.6x	>50	49.6x	43.8x
Roper Technologies, Inc.	58,463	10.9x	9.6x	9.0x	26.7x	23.6x	22.1x	34.4x	29.8x	27.6x
Enghouse Systems Limited	1,342	3.2x	3.10x	3.05x	9.7x	10.0x	9.21x	14.2x	22.0x	19.56x
Oracle Corporation	397,624	8.5x	7.6x	7.0x	17.1x	15.2x	13.6x	22.9x	21.3x	19.1x
SAP SE	151,888	4.5x	4.9x	4.5x	19.2x	17.0x	14.7x	29.6x	23.6x	19.7x
Enterprise Application Software Avera	ige	6.5x	5.8x	5.4x	22.4x	20.3x	18.2x	28.5x	29.7x	26.3x

Extended ERP										
Adobe Incorporated Open Text Corporation	239,245 <b>18,942</b>	13.5x <b>5.4x</b>	12.3x <b>3.4x</b>	10.9x <b>3.1x</b>	27.4x <b>15.2x</b>	25.0x <b>10.9x</b>	22.9x <b>8.1x</b>	38.0x <b>12.7x</b>	33.2x <b>15.7x</b>	29.3x <b>7.5x</b>
Manhattan Associates, Inc.	11,361	14.8x	12.7x	11.4x	>50	46.6x	40.8x	>50	>50	>50
Pegasystems Inc.	4,488	3.4x	3.3x	3.0x	>50	25.2x	17.1x	>50	34.9x	22.4x
Software AG	2,531	2.6x	2.5x	2.4x	14.2x	14.2x	12.0x	34.3x	21.7x	18.1x
Fiserv, Inc.	97,452	5.8x	5.4x	5.0x	13.5x	12.1x	11.1x	19.3x	16.8x	14.7x
Extended ERP Average		7.6x	6.6x	6.0x	17.6x	22.3x	18.7x	26.1x	24.5x	18.4x

Software As A Service										
Descartes Systems Group Inc.	6,167	12.7x	10.9x	9.9x	28.7x	25.2x	22.0x	>50	>50	47.7x
Kinaxis, Inc.*	3,344	9.1x	7.7x	6.5x	42.1x	48.4x	39.8x	>50	>50	>50
Docebo, Inc.*	1,018	7.1x	5.7x	4.3x	>50	>50	33.3x	>50	>50	>50
Lightspeed Commerce Inc*	1,784	2.6x	2.1x	1.6x	NEG	NEG	47.1x	NEG	>50	>50
Veeva Systems Inc Class A	28,333	13.3x	12.1x	10.2x	34.5x	34.1x	27.4x	46.3x	43.1x	36.2x
Shopify, Inc. Class A	71,697	12.8x	10.4x	8.8x	>50	>50	>50	>50	>50	>50
Q4 Inc*	101	1.8x	1.8x	1.7x	NEG	NEG	NEG	NEG	NEG	NEG
Ceridian HCM Holding, Inc.	11,901	9.5x	7.9x	6.9x	47.5x	30.9x	25.4x	>50	>50	44.1x
ServiceNow, Inc.	112,104	15.5x	12.6x	10.3x	49.0x	40.0x	31.8x	>50	>50	45.7x
Workday, Inc. Class A	57,003	9.3x	8.0x	6.8x	36.3x	29.9x	24.5x	>50	44.3x	36.5x
Software As A Service Average		9.4x	7.9x	6.7x	39.7x	34.7x	31.4x	>50	>50	>50
Infrastructure Vendors										
Microsoft Corporation	2,410,379	11.7x	10.8x	9.6x	23.8x	21.7x	18.9x	34.6x	31.6x	27.6x
Infrastructure Vendors Average		11.7x	10.8x	9.6x	23.8x	21.7x	18.9x	34.6x	31.6x	27.6x
Software Average		8.1x	7.0x	6.2x	27.2x	25.3x	23.2x	29.7x	29.9x	28.5x

Software Average
\*Share Price Converted to USD

### Exhibit 7: Business Services Stocks – Comp Table, 2022 - 2024E

	Enterprise Value		EV/EBITD/	Ą		P/E			EV/S	
	(\$mlns.)	C22	C23E	C24E	C22	C23E	C24E	C22	C23E	C24E
Business & IT Services										
CGI Inc. Class A	33,168	12.8x	11.7x	10.8x	20.9x	18.0x	17.0x	2.5x	2.2x	2.2x
TELUS International (CDA), Inc.	4,235	7.0x	6.0x	5.2x	7.3x	7.2x	6.0x	1.7x	1.4x	1.3x
Accenture Plc Class A	206,065	17.9x	17.1x	15.8x	28.8x	26.7x	24.7x	3.3x	3.2x	3.0x
Booz Allen Hamilton	19,031	19.1x	17.5x	16.1x	27.9x	25.5x	22.8x	2.1x	1.9x	1.8x
CACI International Inc Class A	10,092	14.9x	13.7x	12.9x	19.6x	18.5x	16.8x	1.6x	1.5x	1.4x
DXC Technology Co.	7,484	3.1x	3.4x	3.4x	5.4x	5.6x	4.7x	0.5x	0.5x	0.5x
Genpact Limited	7,771	9.9x	9.3x	8.3x	13.3x	12.4x	11.1x	1.8x	1.7x	1.5x
International Business Machines	176,938	11.2x	12.0x	11.4x	15.8x	15.1x	14.4x	2.9x	2.8x	2.7x
Atos SE	2,603	3.0x	2.3x	2.4x	NEG	3.1x	2.5x	0.2x	0.2x	0.2x
Capgemini SE	33,725	9.6x	9.3x	8.6x	14.2x	14.4x	13.1x	1.5x	1.5x	1.4x
Sopra Steria Group SA	5,261	8.8x	7.7x	7.1x	14.3x	11.6x	9.9x	1.0x	0.9x	0.9x
Converge Technology Solutions Corp	956	6.7x	5.7x	5.2x	28.9x	48.2x	33.2x	0.4x	0.4x	0.4x
Business & IT Services Average		10.7x	10.0x	9.3x	16.8x	14.4x	13.0x	1.7x	1.6x	1.5x

HR Outsourcing			EV/EBITD/	4		P/E			EV/S	
Ceridian HCM Holding, Inc.	11,901	47.5x	30.9x	25.4x	>50	>50	44.1x	9.5x	7.9x	6.9x
Willis Towers Watson	26,799	11.3x	11.4x	10.5x	16.1x	15.4x	13.4x	3.0x	2.9x	2.7x
Aon Plc Class A	75,394	19.0x	17.4x	16.2x	23.9x	22.6x	20.0x	6.0x	5.7x	5.4x
Automatic Data Processing, Inc.	103,752	22.4x	19.9x	18.2x	32.5x	28.6x	25.9x	6.0x	5.6x	5.2x
Paychex, Inc.	44,349	20.7x	19.1x	17.8x	30.8x	27.8x	25.7x	9.2x	8.5x	8.0x
HR Outsourcing Average		24.2x	19.7x	17.6x	25.8x	23.6x	25.8x	6.8x	6.1x	5.7x

nformation Services		E	EV/EBITDA			P/E			EV/S		
Broadridge Financial Solutions, Inc.	23,449	17.9x	16.6x	15.5x	24.9x	23.0x	21.0x	4.0x	3.7x	3.5x	
Dye & Durham Ltd.	2,281	14.4x	13.0x	11.9x	>50	NEG	NEG	4.8x	5.0x	4.7x	
Deluxe Corporation	2,228	5.3x	5.5x	5.4x	4.9x	6.3x	6.0x	1.0x	1.0x	1.0x	
Information Services Corp	497	7.7x	7.6x	7.2x	12.9x	12.4x	11.4x	2.6x	2.5x	2.4x	
Information Services Average		11.3x	10.7x	10.0x	14.2x	13.9x	12.8x	3.1x	3.1x	2.9x	

Financial Services Technology		EV/EBITDA			P/E			EV/S		
Fidelity National Information Services	52,470	8.5x	8.6x	8.2x	8.7x	9.5x	8.9x	3.6x	3.6x	3.5x
Fiserv, Inc.	97,452	13.5x	12.1x	11.1x	19.3x	16.8x	14.7x	5.8x	5.4x	5.0x
Jack Henry & Associates, Inc.	12,590	20.0x	18.4x	17.0x	34.8x	33.4x	30.2x	6.3x	5.9x	5.5x
ACI Worldwide, Inc.	3,578	9.6x	9.3x	8.6x	19.0x	24.7x	16.2x	2.5x	2.5x	2.3x
Temenos AG	6,053	16.5x	15.7x	14.0x	25.1x	23.1x	20.3x	6.4x	6.1x	5.6x
Global Payments Inc.	43,933	11.3x	10.1x	9.3x	12.9x	11.6x	10.2x	5.4x	5.1x	4.7x
Financial Services Technology Average		13.2x	12.4x	11.4x	19.9x	19.9x	16.7x	5.0x	4.8x	4.5x

Diversified Real Estate Services		•	EV/EBITDA			P/E			EV/S		
Colliers International Group Inc.	6,693	10.6x	10.0x	9.0x	15.9x	16.5x	14.4x	1.5x	1.5x	1.4x	
Altus Group Limited	2,208	16.3x	16.5x	13.3x	23.6x	27.7x	24.8x	3.0x	2.8x	2.6x	
CBRE Group, Inc. Class A	28,087	9.6x	11.2x	9.8x	14.7x	18.5x	14.9x	0.9x	0.9x	0.8x	
Jones Lang LaSalle Incorporated	10,256	8.2x	10.1x	8.1x	10.4x	13.9x	10.0x	0.5x	0.5x	0.4x	
Diversified Real Estate Services Average		11.2x	12.0x	10.1x	16.2x	19.2x	16.0x	1.5x	1.4x	1.3x	

Software Focused IT Solutions/VARs		EV/EBITDA			P/E			EV/S**		
Softchoice Corporation* USD	751	9.2x	8.7x	7.8x	13.9x	14.1x	12.2x	2.4x	2.3x	2.1x
Softcat Plc*	2,837	16.5x	14.6x	13.3x	22.0x	20.5x	19.2x	6.8x	5.8x	5.2x
Crayon Group Holding ASA*	11,265	>50	>50	>50	>50	>50	>50	25.4x	20.9x	18.0x
Bytes Technology Group Plc*	1,140	16.6x	14.5x	12.8x	22.3x	20.3x	18.2x	NA	NA	NA
Software Focused IT Solutions/VARs Average	•	14.1x	12.6x	11.3x	19.4x	18.3x	16.5x	11.6x	9.6x	8.4x

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\*Share Price Converted to USD

\*\*Software Focused IT Solutions/VARs uses EV/GP metric.

### **Important Disclosures**

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# **CIBC World Markets Inc. Stock Rating System**

Stock Ratings	Abbreviation	Description			
Outperformer	OP	Stock is expected to outperform similar stocks in the coverage universe during the next 12-18 months.			
Neutral	NT	Stock is expected to perform in line with similar stocks in the coverage universe during the next 12-18 months.			
Underperformer	UN	Stock is expected to underperform similar stocks in the coverage universe during the next 12-18 months.			
Tender	TR	Shareholders are advised to tender shares to a specific offer as we do not believe a superior offer will material			
Not Rated	NR	CIBC World Markets does not maintain an investment recommendation on the stock.			
Restricted	R	CIBC World Markets is restricted (due to potential conflict of interest) from rating the stock.			
Sector Ratings	Abbreviation	Description			
Overweight	0	Sector is expected to outperform the broader market averages.			

Sector is expected to equal the performance of the broader market averages.

Sector is expected to underperform the broader market averages.

None NA Sector rating is not applicable.

Note: Broader market averages refer to S&P 500 in the U.S. and S&P/TSX Composite in Canada.

Marketweight

Underweight

Μ

U

## **CIBC World Markets Inc. Price Chart**

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(as of 03 Aug 2023)	Count	Percent	Inv. Banking Relationships	Count	Percent		
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Neutral	131	44%	Neutral	131	100%		
Underperformer	6	2%	Underperformer	6	100%		
Tender	1	0%	Tender	1	100%		
Restricted	4	1%	Restricted	4	100%		

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