

EQUITY RESEARCH

August 3, 2023

Earnings Update

OPEN TEXT CORPORATION

FQ4 Results In Line; Micro Focus Integration Progressing Well

Our Conclusion

OTEX reported FQ4 results that were in line with consensus on headline metrics. OTEX reiterated its F24 outlook with slight tweaks: the F24 revenue growth outlook is 2%-3% lower, which management attributed to FX, and Micro Focus restructuring expenses have increased by \$30MM through F25. We calculate roughly flat FQ4 constant currency organic growth in the base Open Text business in what is typically a seasonally strong FQ4, and organic growth of 1.2% for F23. Management is forecasting organic growth of 1%-2% for F24; however, we continue to see a challenging path to driving sustained organic growth out of Micro Focus given the mix of legacy businesses. With FQ4 results, we are rolling our valuation year over to F25 and our price target goes to \$42 (from \$41). We retain our Neutral rating and continue to view OTEX as fairly valued at current levels.

Key Points

FQ4 Results Highlights: OTEX reported revenue of \$1,491MM, in line with consensus of \$1,489MM. Adjusted EBITDA of \$463MM was also in line with consensus (\$464MM), with adjusted EBITDA margin of 31%. FCF of \$91MM was above consensus of \$38MM. Cloud bookings were +12% Y/Y, with ARR of \$1,200 in line with CIBCe at \$1,236MM. FQ4 renewal rates (excluding Micro Focus) were reported at 94% for cloud and 95% for customer support.

Micro Focus Integration Continues: Micro Focus contributed \$602MM in revenue at a 28% adj. EBITDA margin in FQ4. Margins were up sequentially from ~23% in FQ3 as the integration continues. OTEX completed the Micro Focus sales integration by the end of FQ4 and is beginning to look at cross-selling, with security and AI two areas of cross-selling focus. The company is working to drive Micro Focus to organic growth exiting F24. We view the maintenance renewal rate as a key to the return to organic growth. Management did not disclose Micro Focus' maintenance renewal rate in the quarter, but noted that it is targeting a Micro Focus renewal rate in the high 80% range exiting F24. OTEX provided additional details around the MicroFocus integration, with \$260MM of the \$400MM in annualized cost savings actualized in F23 and another \$144MM expected in F24 (primarily headcount reductions/facilities reduction and vendor consolidation). The company expects to incur \$180MM to \$200MM in special charges in F24.

Announces AI Offering: OTEX provided additional details on its AI strategy with FQ4 results, including details on its Aviator product offering for both its public and private cloud solutions. OTEX's AI solutions bring together predictive AI-led analytics, AI-powered conversational search, and generative AI for Information Management. Aviator is expected to be generally available next quarter and we expect additional pricing details with general availability. The development costs related to Aviator have been included in Open Text's F24 target model of R&D of 14%-16% of revenue. We do not expect these offerings to be material to F24 (AI and Analytics represented ~5% of F23 revenue), but see upside as OTEX rolls out a full suite of AI solutions.

All figures in US dollars unless otherwise stated.

Please see "Price Target Calculation and Key Risks to Price Target" information on page 5. For required regulatory disclosures please refer to "Important Disclosures" beginning on page 6.

CIBC CAPITAL MARKETS

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Neutral

| OTEX-NASDAQ, Sector | or: Information |
|----------------------------|--------------------|
| | Technology |
| Current Price (8/3/23): | US\$40.48 |
| Price Target (12-18 mos.): | 1 US\$42.00 |
| Previous: | US\$41.00 |

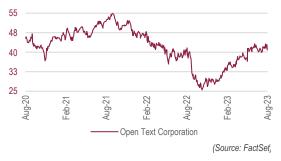
CIBC Estimates and Valuation

| | 0.20 20 | | | |
|------------------|----------|----------|----------|----------|
| (Jun. 30) | 2022 | 2023 | 2024 | 2025 |
| Adj. EPS | 3.22A | 3.30A | 4.88E | 4.86E |
| Prior | | 3.24E | 5.03E | |
| Adj. EBITDA(mln) | 1,265.0A | 1,473.0A | 2,153.6E | 2,226.8E |
| Prior | | 1,510.6E | 2,199.6E | |
| | | | | |
| Adj. EPS | Q1 | Q2 | Q3 | Q4 |
| 2024 | 0.97E | 1.21E | 1.28E | 1.42E |
| Prior | 1.06E | 1.22E | 1.30E | 1.44E |
| 2023 | 0.77A | 0.89A | 0.73A | 0.91A |
| Prior | | | | 0.85E |
| | | | | |
| Adj. EBITDA(mln) | Q1 | Q2 | Q3 | Q4 |
| 2024 | 462.8E | 535.7E | 557.6E | 597.5E |
| Prior | 491.5E | 540.2E | 562.3E | 605.6E |
| 2023 | 304.1A | 340.9A | 365.2A | 462.8A |
| Prior | | | | 500.4E |
| | | | | |
| Valuation | 2022 | 2023 | 2024 | 2025 |
| P/E | 12.6x | 12.3x | 8.3x | 8.3x |
| EV/EBITDA | 16.0x | 13.7x | 9.4x | 9.1x |
| | | | | |

Stock Performance and Key Indicators

| Enterprise Valu | e US\$20,245M | Shares O/S: | 270.8M |
|-----------------|-----------------------|---------------|----------------|
| Market Cap .: | US\$10,961M | Float: | 256.4M |
| 52-wk Range: | JS\$25.50 - US\$43.18 | Div. / Yield: | US\$0.88/2.18% |

OTEX-NASDAQ



Open Text Corporation (OTEX-NASDAQ) — Neutral

Price (8/3/23) US\$40.48 12-18 mo. Price Target US\$42.00 Sector: Information Technology Stephanie Price, CFA +1 416-594-7047 Stephanie.Price@cibc.com

| Test Source 2022 2023 2024E 2025E P/FCF - Open Text 11.5x - - - Key Financial Metrics 2022 2023 2024E 2025E Net Debt 2,526 7,651 7,045 5,971 Total Debt 4,220 8,883 8,283 7,683 Net Debt/EBITDA 2,0x 5,2x 3,3x 2,7x Free Cash Flow 889 655 843 1,313 Sales Growth 3,2% 28,4% 31,5% 2,0% Per Share Data 2022 2023 2024E 2025E FCFPS 3,27 2,42 3,11 4,85 Adj. EPS Dil. 3,22 3,30 4,88 4,86 Wgt Avg # of Shares 271.3 270.3 270.8 270.8 Rotio 2022 2023 2024E 2025E Rolic 16.7% 9.9% 16.5% 18.1% Income Statement 2022 2023 2024E | Peer Comparison | 2022 | 2023 | 2024E | 2025E |
|---|----------------------|--------|--------|--------|--------|
| P/FCF - Open Text 11.5x - Key Financial Metrics 2022 2023 2024E 2025E Net Debt 2,526 7,651 7,045 5,971 Total Debt 4,220 8,883 8,283 7,683 Net Debt/EBITDA 2.0x 5.2x 3.3x 2.7x Free Cash Flow 889 655 843 1,313 Sales Growth 3.27 2.42 3.11 4.85 FCFPS 3.27 2.42 3.11 4.85 Adj. EPS Dil. 3.22 3.30 4.88 4.86 Wgt Avg # of Shares 271.3 270.3 270.9 271.1 FD Number of Shares 271.9 270.4 270.8 270.8 Ratio 2022 2023 2024E 2025E RolC 16.7% 9.9% 16.5% 18.1% Income Statement 2022 2023 2024E 2025E Revenue 3,494 4,485 5,898 6,016 | · · · | - | 2023 | 2024 | 20232 |
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| Adj EBITDA Margin 36.2% 32.8% 36.5% 37.0% D&A (504) (657) (918) (919) Interest Expense (158) (329) (463) (428) Pretax profit 516 221 742 850 Tax Expense 119 71 104 170 Adjusted Net Income 876 891 1,320 1,315 Adjusted Net Margin 25.1% 19.9% 22.4% 21.9% Cash Flow Statement 2022 2023 2024E 2025E Net CFO 982 779 939 1,409 Capex (93) (124) (96) (96) Free Cash Flow 889 655 843 1,313 Balance Sheet 2022 2023 2024E 2025E Cash & ST Investment 1,694 1,232 1,238 1,712 Goodwill 5,245 8,663 7,869 7,076 Total Assets 10,179 17,089 15,858 15,519 LT Int-Bearing Debt | Tot Operating Exp | 1,104 | 1,104 | 1,104 | 1,104 |
| D&A (504) (657) (918) (919) Interest Expense (158) (329) (463) (428) Pretax profit 516 221 742 850 Tax Expense 119 71 104 170 Adjusted Net Income 876 891 1,320 1,315 Adjusted Net Margin 25.1% 19.9% 22.4% 21.9% Cash Flow Statement 2022 2023 2024E 2025E Net CFO 982 779 939 1,409 Capex (93) (124) (96) (96) Free Cash Flow 889 655 843 1,313 Balance Sheet 2022 2023 2024E 2025E Cash & ST Investment 1,694 1,232 1,238 1,712 Goodwill 5,245 8,663 7,869 7,076 Total Assets 10,179 17,089 15,858 15,519 LT Int-Bearing Debt 4,220 8,883 | Adj. EBITDA | 1,265 | 1,473 | 2,154 | 2,227 |
| Interest Expense (158) (329) (463) (428) Pretax profit 516 221 742 850 Tax Expense 119 71 104 170 Adjusted Net Income 876 891 1,320 1,315 Adjusted Net Margin 25.1% 19.9% 22.4% 21.9% Cash Flow Statement 2022 2023 2024E 2025E Net CFO 982 779 939 1,409 Capex (93) (124) (96) (96) Free Cash Flow 889 655 843 1,313 Balance Sheet 2022 2023 2024E 2025E Cash & ST Investment 1,694 1,232 1,238 1,712 Goodwill 5,245 8,663 7,869 7,076 Total Assets 10,179 17,089 15,858 15,519 LT Int-Bearing Debt 4,220 8,883 8,283 7,683 Total Liabilities 6,148 | Adj EBITDA Margin | 36.2% | 32.8% | 36.5% | 37.0% |
| Pretax profit 516 221 742 850 Tax Expense 119 71 104 170 Adjusted Net Income 876 891 1,320 1,315 Adjusted Net Income 876 891 1,320 1,315 Adjusted Net Margin 25.1% 19.9% 22.4% 21.9% Cash Flow Statement 2022 2023 2024E 2025E Net CFO 982 779 939 1,409 Capex (93) (124) (96) (96) Free Cash Flow 889 655 843 1,313 Balance Sheet 2022 2023 2024E 2025E Cash & ST Investment 1,694 1,232 1,238 1,712 Goodwill 5,245 8,663 7,869 7,076 Total Assets 10,179 17,089 15,858 15,519 LT Int-Bearing Debt 4,220 8,883 8,283 7,683 Total Liabilities 6,148 1 | D&A | (504) | (657) | (918) | (919) |
| Tax Expense 119 71 104 170 Adjusted Net Income 876 891 1,320 1,315 Adjusted Net Margin 25.1% 19.9% 22.4% 21.9% Cash Flow Statement 2022 2023 2024E 2025E Net CFO 982 779 939 1,409 Capex (93) (124) (96) (96) Free Cash Flow 889 655 843 1,313 Balance Sheet 2022 2023 2024E 2025E Cash & ST Investment 1,694 1,232 1,238 1,712 Goodwill 5,245 8,663 7,869 7,076 Total Assets 10,179 17,089 15,858 15,519 LT Int-Bearing Debt 4,220 8,883 8,283 7,683 Total Liabilities 6,148 13,068 11,535 10,725 | | (158) | (329) | (463) | (428) |
| Adjusted Net Income 876 891 1,320 1,315 Adjusted Net Margin 25.1% 19.9% 22.4% 21.9% Cash Flow Statement 2022 2023 2024E 2025E Net CFO 982 779 939 1,409 Capex (93) (124) (96) (96) Free Cash Flow 889 655 843 1,313 Balance Sheet 2022 2023 2024E 2025E Cash & ST Investment 1,694 1,232 1,238 1,712 Goodwill 5,245 8,663 7,869 7,076 Total Assets 10,179 17,089 15,858 15,519 LT Int-Bearing Debt 4,220 8,883 8,283 7,683 Total Liabilities 6,148 13,068 11,535 10,725 | Pretax profit | 516 | 221 | 742 | 850 |
| Adjusted Net Margin 25.1% 19.9% 22.4% 21.9% Cash Flow Statement 2022 2023 2024E 2025E Net CFO 982 779 939 1,409 Capex (93) (124) (96) (96) Free Cash Flow 889 655 843 1,313 Balance Sheet 2022 2023 2024E 2025E Cash & ST Investment 1,694 1,232 1,238 1,712 Goodwill 5,245 8,663 7,869 7,076 Total Assets 10,179 17,089 15,858 15,519 LT Int-Bearing Debt 4,220 8,883 8,283 7,683 Total Liabilities 6,148 13,068 11,535 10,725 | Tax Expense | 119 | 71 | 104 | 170 |
| Cash Flow Statement 2022 2023 2024E 2025E Net CFO 982 779 939 1,409 Capex (93) (124) (96) (96) Free Cash Flow 889 655 843 1,313 Balance Sheet 2022 2023 2024E 2025E Cash & ST Investment 1,694 1,232 1,238 1,712 Goodwill 5,245 8,663 7,869 7,076 Total Assets 10,179 17,089 15,858 15,519 LT Int-Bearing Debt 4,220 8,883 8,283 7,683 Total Liabilities 6,148 13,068 11,535 10,725 | Adjusted Net Income | 876 | 891 | 1,320 | 1,315 |
| Net CFO 982 779 939 1,409 Capex (93) (124) (96) (96) Free Cash Flow 889 655 843 1,313 Balance Sheet 2022 2023 2024E 2025E Cash & ST Investment 1,694 1,232 1,238 1,712 Goodwill 5,245 8,663 7,869 7,076 Total Assets 10,179 17,089 15,858 15,519 LT Int-Bearing Debt 4,220 8,883 8,283 7,683 Total Liabilities 6,148 13,068 11,535 10,725 | Adjusted Net Margin | 25.1% | 19.9% | 22.4% | 21.9% |
| Capex (93) (124) (96) (96) Free Cash Flow 889 655 843 1,313 Balance Sheet 2022 2023 2024E 2025E Cash & ST Investment 1,694 1,232 1,238 1,712 Goodwill 5,245 8,663 7,869 7,076 Total Assets 10,179 17,089 15,858 15,519 LT Int-Bearing Debt 4,220 8,883 8,283 7,683 Total Liabilities 6,148 13,068 11,535 10,725 | Cash Flow Statement | 2022 | 2023 | 2024E | 2025E |
| Free Cash Flow8896558431,313Balance Sheet202220232024E2025ECash & ST Investment1,6941,2321,2381,712Goodwill5,2458,6637,8697,076Total Assets10,17917,08915,85815,519LT Int-Bearing Debt4,2208,8838,2837,683Total Liabilities6,14813,06811,53510,725 | Net CFO | 982 | 779 | 939 | 1,409 |
| Balance Sheet 2022 2023 2024E 2025E Cash & ST Investment 1,694 1,232 1,238 1,712 Goodwill 5,245 8,663 7,869 7,076 Total Assets 10,179 17,089 15,858 15,519 LT Int-Bearing Debt 4,220 8,883 8,283 7,683 Total Liabilities 6,148 13,068 11,535 10,725 | Capex | (93) | (124) | (96) | (96) |
| Cash & ST Investment 1,694 1,232 1,238 1,712 Goodwill 5,245 8,663 7,869 7,076 Total Assets 10,179 17,089 15,858 15,519 LT Int-Bearing Debt 4,220 8,883 8,283 7,683 Total Liabilities 6,148 13,068 11,535 10,725 | Free Cash Flow | 889 | 655 | 843 | 1,313 |
| Goodwill 5,245 8,663 7,869 7,076 Total Assets 10,179 17,089 15,858 15,519 LT Int-Bearing Debt 4,220 8,883 8,283 7,683 Total Liabilities 6,148 13,068 11,535 10,725 | Balance Sheet | 2022 | 2023 | 2024E | 2025E |
| Total Assets 10,179 17,089 15,858 15,519 LT Int-Bearing Debt 4,220 8,883 8,283 7,683 Total Liabilities 6,148 13,068 11,535 10,725 | Cash & ST Investment | 1,694 | 1,232 | 1,238 | 1,712 |
| LT Int-Bearing Debt 4,220 8,883 8,283 7,683 Total Liabilities 6,148 13,068 11,535 10,725 | Goodwill | 5,245 | 8,663 | 7,869 | 7,076 |
| Total Liabilities 6,148 13,068 11,535 10,725 | Total Assets | 10,179 | 17,089 | 15,858 | 15,519 |
| | LT Int-Bearing Debt | 4,220 | 8,883 | 8,283 | 7,683 |
| Shareholders' Equity 4,031 4,021 4,323 4,794 | Total Liabilities | 6,148 | 13,068 | 11,535 | 10,725 |
| | Shareholders' Equity | 4,031 | 4,021 | 4,323 | 4,794 |

Source: FactSet, Company Reports & CIBC World Markets Inc.

Company Profile

Open Text develops enterprise information management (EIM) solutions, which enable companies to control and better utilize all forms of information.

Investment Thesis

1) Largest Independent EIM vendor 2) Broad range of EIM solutions sold directly and through partnerships 3) Strong track record of Capital Allocation and Acquisition Integration.

Price Target (Base Case): US\$42.00

Our price target is calculated using 2.0% revenue growth, 37% EBITDA margins and a 8.5x EV/EBITDA multiple

Upside Scenario: US\$66.00

Our upside scenario is calculated using 12% revenue growth, 38% EBITDA margins and a 10x EV/EBITDA multiple.

Downside Scenario: US\$15.00

Our downside scenario is calculated using a 1% revenue growth, 32% EBITDA margins and a 6x EV/EBITDA multiple.

Scenario Analysis:



FQ4 Results

Exhibit 1: Open Text – Financial Summary, Q4/F23 (\$MM except per share)

| | Q4-F | 2023 | | | | |
|---------------------------|--------|--------|----------|--------|----------|--------|
| | Actual | Cons | Q4-F2022 | Y/Y% | Q3-F2023 | Q/Q% |
| Consolidated | | | | | | |
| Revenue (\$mln) | 1,491 | 1,489 | 902 | 65.2% | 1,245 | 19.8% |
| Product License | 229 | 223 | 95 | 141.6% | 140 | 63.8% |
| Cloud | 452 | 456 | 412 | 9.7% | 435 | 3.7% |
| Services | 105 | 108 | 68 | 54.9% | 94 | 12.3% |
| Maintenance | 705 | 687 | 328 | 114.8% | 576 | 22.5% |
| Adjusted EBITDA | 463 | 464 | 314 | 47.6% | 365 | 26.8% |
| EBITDA Margin | 31.0% | 31.2% | 34.8% | -10.7% | 29.3% | 5.8% |
| Adjusted EPS | \$0.91 | \$0.88 | \$0.80 | 13.9% | \$0.73 | 24.2% |
| Cash Flow from Operations | 115 | 89 | 252 | -54.2% | 337 | -65.8% |

Source: Company reports, FactSet and CIBC World Markets Inc.

Segmented Results: All revenue segments came in relatively in line with consensus, with License revenues of \$229MM vs. consensus of \$223MM; Cloud revenues of \$452MM vs. consensus \$456MM; Services revenue of \$105MM vs. consensus of \$108MM; and Maintenance revenue of \$705MM, above consensus of \$687MM. Constant-currency Cloud revenue growth was ~10.6% Y/Y.

Dividend Increase: Open Text declared a quarterly dividend of \$0.25 per share, resulting in an annualized dividend of \$1.00 per share for F24, an increase over F23's annualized dividend of \$0.97.

Changes To Our Model: We have updated our model for FQ4 results and the revised F2024 outlook. We are expecting revenue growth of 32% in F2024, with 36.5% adjusted EBITDA margin.

| | Revenues (\$MM) | EBITDA (\$MM) | Adjusted EPS | CFO |
|----------------|-----------------|---------------|--------------|-------|
| 2023A | 4,485 | 1,473 | 3.30 | 779 |
| 2024E | | | | |
| CIBC est new | 5,898 | 2,154 | 4.88 | 939 |
| CIBC est prior | 6,084 | 2,200 | 5.03 | 988 |
| Consensus | 5,991 | 2,213 | 4.68 | 981 |
| 2025E | | | | |
| CIBC est new | 6,016 | 2,227 | 4.86 | 1,409 |
| CIBC est prior | 6,132 | 2,240 | 4.89 | 977 |
| Consensus | 6,146 | 2,342 | 5.14 | 1,364 |

Exhibit 2: Open Text – Changes To Our Model, 2023 - 2025E

Source: Company reports, FactSet and CIBC World Markets Inc.

| | CIBO | ESG M | | | |
|---------------------------|-------|-------|-------|-------|-------|
| Governance Metrics | 2017 | 2018 | 2019 | 2020 | 2021 |
| Insider Ownership | 2.3% | 2.0% | 1.8% | 1.7% | 1.8% |
| Board Gender Diversity | 30.0% | 27.0% | 27% | 33% | 30% |
| Separation of Chair & CEO | YES | YES | YES | YES | YES |
| Dual-class Ownership? | NO | NO | YES | NO | NO |
| Disclose ESG Data? | YES | YES | YES | YES | YES |
| Social Metrics | 2017 | 2018 | 2019 | 2020 | 2021 |
| CEO Comp./Mkt Cap* | \$1.7 | \$0.9 | \$0.9 | \$0.9 | \$0.9 |
| Diversity Targets | NO | NO | NO | NO | NO |
| Women Managers | 8% | 33% | 21% | 7% | 29% |
| Environmental Metrics | 2017 | 2018 | 2019 | 2020 | 2021 |
| Emissions Intensity** | NA | 0 | 0 | 0 | 0 |
| Net-zero Targets? | NO | NO | NO | NO | NO |

*CEO Compensation is shown as per thousand dollars of market capitalization

**Emissions Itensity calculated as total emitted CO2e divided by million \$ of CAD revenue

Sustainalytics Material ESG Issues These are the Material ESG Issues driving the ESG Risk Report

Sustainalytics ESG Risk Rating

| 17.6 Updated on Apr 13, 2023 | +0. Momer | | w Risk | |
|---|--------------|-------|--------|--------|
| NEGL | LOW | MED | HIGH | SEVERE |
| 0-10 | 10-20 | 20-30 | 30-40 | 40+ |

Sustainalytics ESG Risk Rating Ranking

| UNIVERSE | RANK (1 st = lowest risk) | (1 st = lowest risk) |
|--|---|---------------------------------|
| Global Universe | 2323 /15536 | 16th |
| Software & Services INDUSTRY | 129 /1074 | 13th |
| Enterprise and Infrastructure Software SUBINDUSTRY | 41 /451 | 10th |

| Issue Name | ESG Risk Exposure | ESG Risk Management | ESG Risk Rating | Contribution to ESG Risk Rating |
|---------------------------|----------------------|------------------------|--------------------|------------------------------------|
| | Score Category | Score Category | Score Category | |
| Corporate Governance | 9.0 High | 57.7 Strong | 3.8 Low | 21.6% |
| Human Capital | 8.0 High | 57.6 Strong | 3.6 Low | 20.6% |
| Product Governance | 2.2 Low | 7.5 Weak | 2.0 Low | 11.6% |
| Resource Use | 2.0 Low | 11.9 Weak | 1.8 Negligible | 10.3% |
| Business Ethics | 3.0 Low | 63.0 Strong | 1.2 Negligible | 6.8% |
| Data Privacy and Security | 7.6 Medium | 70.0 Strong | 3.3 Low | 19.0% |
| Carbon -Own Operations | 2.3 Low | 22.4 Weak | 1.8 Negligible | 10.1% |
| Overall | 34.1 Low | 52.1 Strong | 17.6 Low | 100% |

CIBC Quantitative Scorecard

| Within Sector | | Within S&P/TSX Comp. | | | |
|-------------------------|----------|----------------------|---------------------------|-----------|-------|
| Style | Rank | Delta | Style | Rank | Delta |
| Value | 2 | 0 | Value | 72 | +1 |
| Momentum | 3 | -2 | Momentum | 22 | -18 |
| Quality | 6 | 0 | Quality | 96 | 0 |
| Market | 4 | 0 | Market | 63 | 0 |
| Low Volatility | 3 | 0 | Low Volatility | 93 | -4 |
| Growth | 9 | -1 | Growth | 190 | -32 |
| Note: Ranking out of 12 | 1 stocks | | Note: Ranking out of 22 | 27 stocks | |
| | Conoral | Natas Dahin | d the Overstitetive Coord | anna | |

General Notes Behind the Quantitative Scorecard

Delta refers to the change in the ranking over the past month. Number of stocks "Within Sector" is defined by the number within the GICS. In the "Within S&P/TSX" category, we use all stocks in the S&P/TSX Composite. For detail on the Quant Factors included in each style above, please contact the CIBC Portfolio Strategy Team.

The table above is based upon quantitative, statistical, and mathematical analysis and is not intended to serve as a fundamental recommendation.

CIBC Technical Scorecard

| | TSM | | TSM |
|------------|--------------|----------------|-------|
| Factor | Score | Factor | Score |
| TSM | 7 | Momentum | В |
| Beta | 0.97 | MACD | А |
| Volatility | \downarrow | Alpha (Sector) | D |
| Trend | \uparrow | Alpha (Index) | В |
| RSI | Neutral | | |

General Notes Behind the Technical Scorecard

TSM: The Trendspotting Matrix uses technical factors to score uptrend durability. Momentum and alpha metrics compare performance over one-month, one-quarter and one-year timeframes, outputting a rating from A to D.

Trend/Volatility metrics measure price deviations relative to underlying moving averages. RSI is an oscillator that provides mean-reversion estimations.

MACD is a momentum indicator rated from A to D based off the strength of its signal.

The table above is based upon a technical methodology that examines the past trading patterns and trades and is not intended to serve as a fundamental recommendation.

Source: Sustainalytics, Compustat, FactSet, Bloomberg and CIBC World Markets Inc.

Price Target Calculation

Our price target of \$42 is calculated using 2.0% revenue growth, 37% EBITDA margins and a 8.5x EV/EBITDA multiple.

Key Risks To Price Target

The risks to our price target include, but are not limited to: the current uncertain economic climate and potential delays in and/or downsized spending on enterprise application software products; increasing competition from other enterprise application software vendors; the company's ability to meet future capital needs in order to support operations; the company's ability to introduce new or updated technology in a timely manner; the company's ability to successfully integrate and operate any current or future acquisitions; and the loss of key management or other employees.

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| 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 materi | | |
| 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 Detings | Abbroviation | Description | | |

| Sector Ratings | Abbreviation | Description | |
|----------------|--------------|---|--|
| Overweight | 0 | Sector is expected to outperform the broader market averages. | |
| Marketweight | Μ | Sector is expected to equal the performance of the broader market averages. | |
| Underweight | U | 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.

CIBC World Markets Inc. Price Chart

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| (as of 03 Aug 2023) | Count | Percent | Inv. Banking Relationships | Count | Percent |
|---------------------|-------|---------|----------------------------|-------|---------|
| Outperformer | 155 | 52% | Outperformer | 154 | 99% |
| 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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