
CENTRAL BANK POLICY HAS CATALYZED A VALUATION OPPORTUNITY IN THE SOFTWARE SPACE

Christopher Gannatti – Global Head of Research
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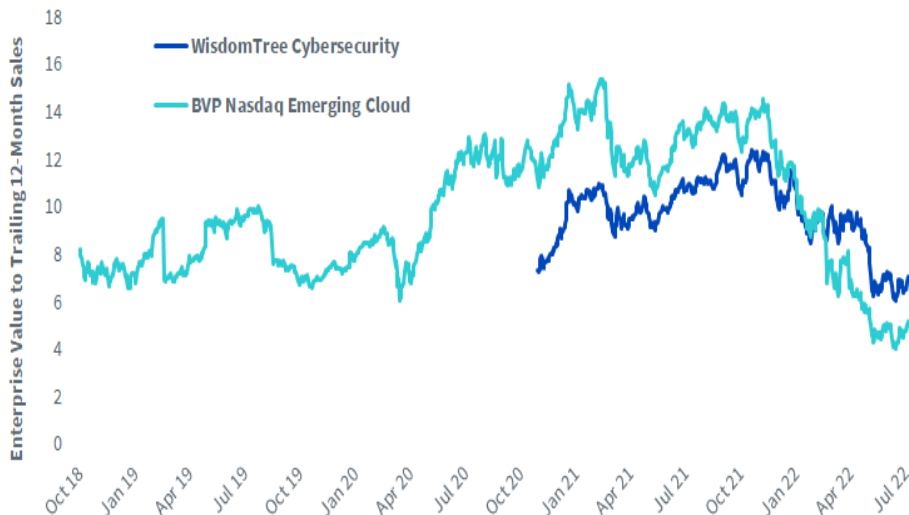
In 2020 and 2021, investors put record amounts of investments into thematic funds—another way to describe strategies fairly far out on the [growth](#) end of the spectrum. While there is no way in which every thematic fund is the same, two common aspects were noticeable:

1. Strategies focused on software were able to showcase very strong revenue growth metrics, often by providing solutions that were more broadly used during the COVID-19 lockdown periods. Investors were attracted to these growth metrics—and in many cases, the assets piled in.
2. As performance accelerated, so did [valuations](#), at least as measured by [enterprise value to trailing 12-month sales \(EV-Sales\)](#). This tells us that even though sales were growing, investors were pushing up valuations because of their excitement about future potential. Obviously, the environment in 2022 has changed.

The result—well, we see it in figure 1:

- The [WisdomTree Team8 Cybersecurity Index \(WisdomTree Cybersecurity\)](#) and [BVP Nasdaq Emerging Cloud Index](#) are distinct indexes aimed at capturing companies in two megatrends, both heavily focused on software.
- Looking at the EV-Sales metric, we can see the BVP Nasdaq Emerging Cloud Index has been through three phases. From October 2018 to April 2020, valuation moved around but stayed below 10 times. Then, from April 2020, the valuation ratio expanded toward a level of 12 to 14 times, more or less, until November 2021. Then, the ratio fell off and seems to have stabilized at roughly 4 to 5 times, as of July 2022. It's clear to see how these dates correspond to different stages of the COVID-19 pandemic and then the announcements of shifts in [central bank](#) policies.
- WisdomTree Cybersecurity, during its shorter live history, has behaved with high [correlation](#) to the BVP Nasdaq Emerging Cloud Index. It is notable that 'cloud security' is an important part of cybersecurity today, and there is overlap between these indexes. Today, one can consider if the fact that cybersecurity is essential to the strategy of any company translates to a higher valuation multiple than what we'd see for the general cloud computing company.

Figure 1: Historical Evolution of the Enterprise Value to Trailing 12-Month Sales Ratio for Specified Indexes



Source: Bloomberg, with data shown over the live calculation, available history for each index. WisdomTree Cybersecurity started its time series on 10/30/20; BVP Nasdaq Emerging Cloud Index started its time series on 10/2/18. Past performance is not indicative of future results. You cannot invest directly in an index.

Conclusion—A Signal to Invest?

We wish the matter was as simple as, valuation is down a certain percentage, therefore, it has bottomed and it is a great time to enter. Unfortunately, the indexes shown in figure 1 could drop further from here. We can note the revenue growth of some select cloud computing companies, recognizing that the BVP Nasdaq Emerging Cloud Index saw the larger overall drop in the EV-Sales ratio.

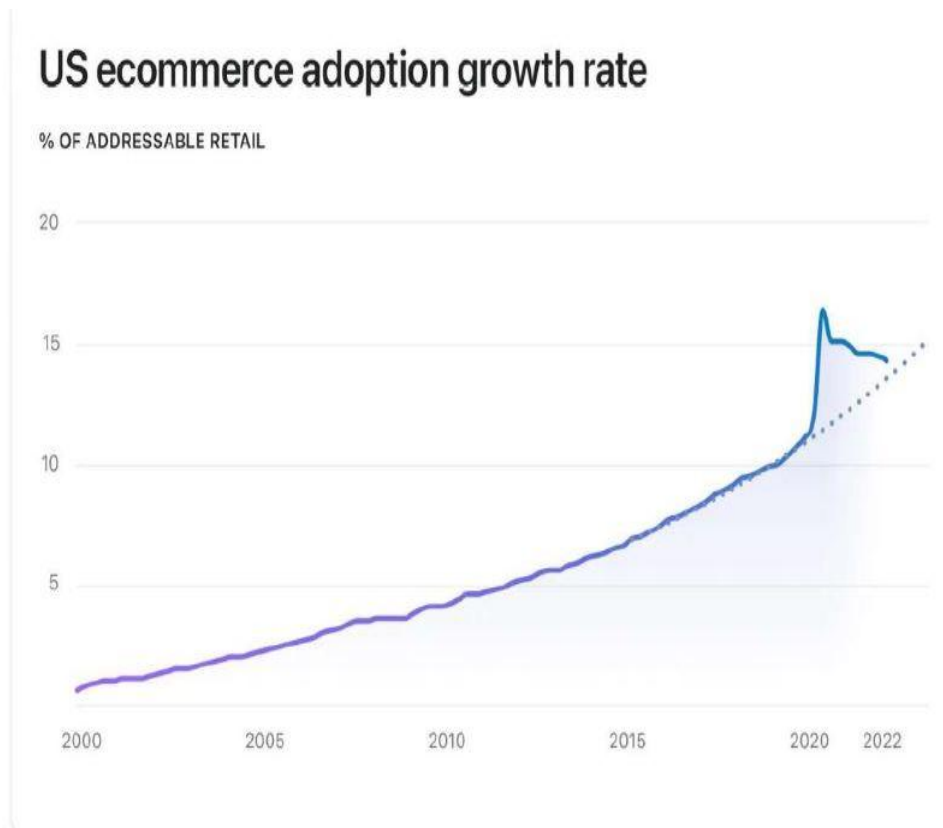
- Squarespace, Tenable, ServiceNow, Appfolio, 2U, Shopify and Zendesk reported quarterly results during the week of July 25, 2022, on the early end of the quarterly earnings reporting cycle.¹
- If we think in terms of ranges, SquareSpace and 2U saw revenue growth in the 0%–10% range, Shopify was between 10% and 20%, Zendesk, ServiceNow and Tenable were in the 20%–30% range and then Appfolio was the leader at 32% year-over-year revenue growth.²

We are tending to see cloud computing companies guiding in the range of either stable or slightly lower growth for 2022.³ As yet, we have not seen revenue growth ‘disasters,’ but that doesn’t mean it couldn’t happen as companies continue to report.

Tobias Lutke, CEO of Shopify, wrote a letter posted to Shopify’s public site concerning their strategic decision to let go about 10% of the company’s workforce. Included was the chart that we show as figure 2, which we think is illustrative of what we are seeing in a lot of the software space.

- Shopify is focused on e-commerce, so the e-commerce adoption rate is critical to their business.
- E-commerce is still on a significant growth trend, but it’s clear the slope is moderating back to the longer-term trend after a very large spike. Many software companies might have been priced as though the ‘COVID spike’ in growth was going to continue, and what we are seeing in 2022 is the need to moderate to a still growing but more sustainable growth figure. In Shopify’s case, the big news in the week of July 25, 2022, was the need to lay off 10% of staff in order to deal with this e-commerce moderation.

Figure 2: U.S. e-commerce adoption growth rate



Source: US Census Bureau

We think that growth equals opportunity but recognize that it will be critical to see central banks transitioning from aggressive tightening to slowing or pausing their tightening. A massive rally in software company [share prices](#) would be difficult to see in the face of continued 75 [basis point](#) hikes. One way to manage this [risk](#) could be a longer investment horizon, where the risks associated with any singular macroeconomic environment may be lessened.

Those interested in [cloud computing](#) or [cybersecurity](#) can click to find out more about WisdomTree's unique options within the thematic equity space.

¹ Source: Bloomberg for the aggregation of quarterly earnings reporting dates.

² Sources: Respective Company investor relations website for each specified company where they post a press release and presentation reporting the most recent results.

³ Sources: Company investor relations websites, recognizing that not all companies provide guidance or provide it based on the same exact metrics or time periods.

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Christopher Gannatti is an employee of WisdomTree UK Limited, a European subsidiary of WisdomTree Asset Management Inc.'s parent company, WisdomTree Investments, Inc.

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As of August 9, 2022, WCBR held 0%, 3.20%, 0%, 0%, 0%, 0% and 0% of its weight in Squarespace, Tenable, ServiceNow, Appfolio, 2U, Shopify and Zendesk, respectively.

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DEFINITIONS

Growth: Characterized by higher price levels relative to fundamentals, such as dividends or earnings. Price levels are higher because investors are willing to pay more due to their expectations of future improvements in these fundamentals.

Valuation: Refers to metrics that relate financial statistics for equities to their price levels to determine if certain attributes, such as earnings or dividends, are cheap or expensive.

Enterprise Value-to-Sales (EV/Sales): A financial valuation measure that compares the enterprise value (EV) of a company to its annual sales. The EV/sales multiple gives investors a quantifiable metric of how to value a company based on its sales while taking account of both the company's equity and debt.

BVP Nasdaq Emerging Cloud Index: designed to track the performance of emerging public companies primarily involved in providing cloud software to their customers.

Central bank: Refers to the the monetary authority of any country.

Correlation: Statistical measure of how two sets of returns move in relation to each other. Correlation coefficients range from -1 to 1. A correlation of 1 means the two subjects of analysis move in lockstep with each other. A correlation of -1 means the two subjects of analysis have moved in exactly the opposite direction.

Share price: Measured as the cumulative change in share price for the 12 months leading up to the Index screening date. Higher values indicate greater growth orientation.

Basis point: 1/100th of 1 percent.

Risk: Also standard deviation, which measures the spread of actual returns around an average return during a specific period. Higher risk indicates greater potential for returns to be farther away from this average.