



AWS Connectivity for Software Enterprises

Challenge

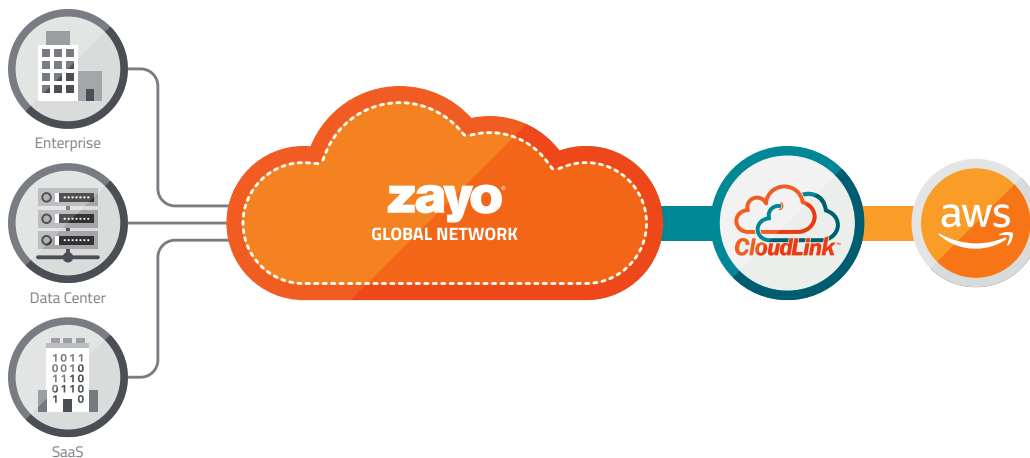
Today's software industry is on the leading edge of cloud adoption. However, though most software enterprises currently rely heavily on the cloud, many enterprises are facing pressure to support higher and higher bandwidth consumption activities including artificial intelligence, machine learning, immersive experiences (AR/VR), autonomous vehicles and smart places. Software companies need private connectivity to AWS in order to provide high-quality, interactive computing experiences to end users.

A low-latency, high-performance, direct connection to Amazon Web Services (AWS) is key.

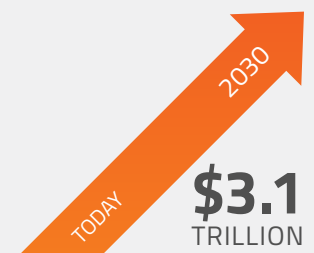
- "Among companies that adopt AI technology, 70 percent will obtain AI capabilities through cloud-based enterprise software, and 65 percent will create AI applications using cloud-based development services in 2019." ¹
- "Organizations are steadily — but not exclusively — shifting their content environments to SaaS. Gartner expects that by 2019, the current enterprise content management (ECM) market will devolve into purpose-built, cloud-based content solutions and solution services applications." ³
- "By 2022, 90% of all apps will feature microservices architectures that improve the ability to design, debug, update, and leverage third-party code; 35% of all production apps will be cloud-native." ²

Solution

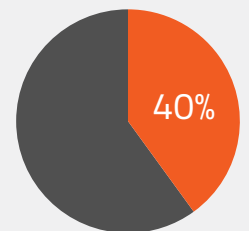
- ➔ **CloudLink by Zayo** is an AWS Direct Connect Network Infrastructure Competency Partner enabling the Software Industry to connect to AWS directly, securely and reliably.
- ➔ **AWS Direct Connect** is a cloud service solution that makes it easy to establish a dedicated network connection from an enterprise's premises to AWS. Using AWS Direct Connect, software organizations can establish private connectivity between AWS and their locations to keep applications performing at top speeds for end users. CloudLink combined with AWS Direct Connect reduces network costs, increases bandwidth throughput and provides a more consistent network experience than internet-based connections.



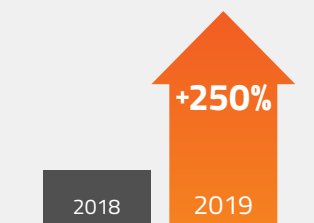
At a Glance



BLOCKCHAIN IS ESTIMATED TO BE A \$3.1 TRILLION BUSINESS BY 2030. ⁴



BY 2022, IT IS ESTIMATED THAT 40% OF NEW APPLICATION DEVELOPMENT WILL INVOLVE AI CO-DEVELOPERS. ⁴



THE NUMBER OF DEVELOPERS USING AWS FOR MACHINE LEARNING INCREASED BY 250% OVER LAST YEAR. ¹

1. <https://www2.deloitte.com/insights/us/en/industry/technology/technology-media-and-telecom-predictions.html>

2. <https://www.techrepublic.com/article/10-predictions-for-how-the-tech-industry-will-change-in-2019-and-beyond/>

3. <https://www.gartner.com/en/newsroom/press-releases/2018-09-12-gartner-forecasts-worldwide-public-cloud-revenue-to-grow-17-percent-in-2019>

4. <https://www.forbes.com/sites/steveandriole/2018/10/22/gartners-10-technology-trends-for-2019-the-good-the-obvious-and-the-missing/#224e3c15999a>



Partnership

Why CloudLink by Zayo for AWS Direct Connect?



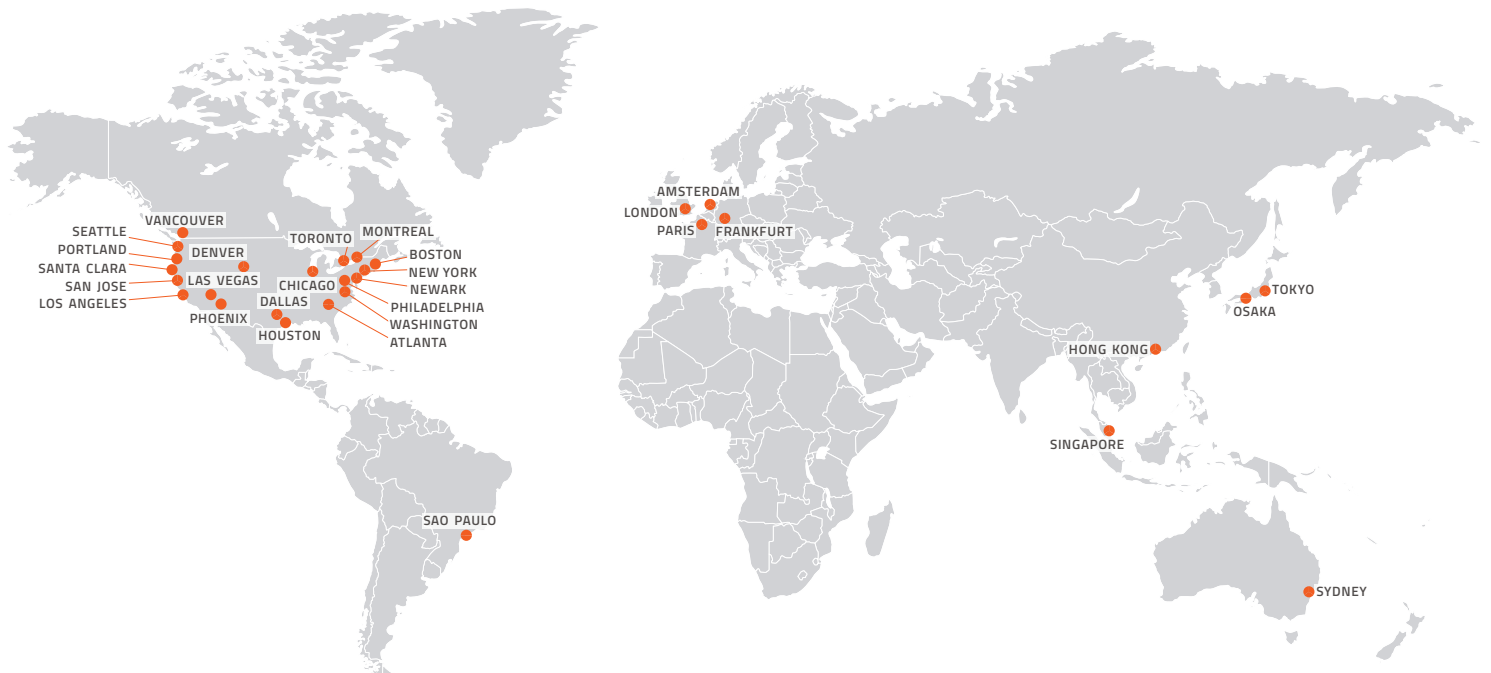
Zayo has a presence in 100% of North American AWS on-ramp locations—over 50 in total.



CloudLink by Zayo has been connecting customers to AWS via Direct Connect since 2011 and is an AWS Direct Connect Network Infrastructure Competency Partner.



Zayo gives customers access to emerging technology to connect to AWS.





Use Cases

Software enterprises implement CloudLink to improve the performance and security of their connection to applications, data and workloads hosted in AWS. This helps provide software users with high-quality application performance.



WORK WITH LARGE DATA SETS:

- Support artificial intelligence efforts with a dedicated, low-latency connection to AWS
- Store and quickly access large amounts of data from immersive experiences (AR/VR/MR) through a high bandwidth connection to AWS
- Prepare to support exponential amounts of data from e-commerce platforms, IoT applications, and robotics platforms with direct connectivity



IMPROVE CONNECTIVITY TO AWS:

- Achieve a consistent experience for software with augmented analytics built-in through a dedicated connection to AWS
- Support autonomous vehicle software with high-bandwidth, high-performance AWS connectivity
- Prevent software lags and delays for mission-critical applications with high-bandwidth needs



OPTIMIZE COSTS & LOWER EGRESS FEES:

- Lower monthly egress bills by about 3x with a dedicated connection
- Optimize data egress costs for high-bandwidth activities such as machine learning and augmented analytics with direct AWS connectivity
- Combine the elasticity & economic benefits of AWS with owned infrastructure



SATISFY REGULATORY REQUIREMENTS:

- Protect your connection to AWS to prevent a security breach of GDPR protected data and cloud-native applications
- Bypass the public internet to avoid threats of network hijacking on sensitive information
- Secure your connection to AWS to prevent the loss of user-generated records

ABOUT ZAYO

Zayo's team of dedicated subject matter experts have deep experience ready to serve you. We're committed to providing you with resilient and customized solutions that meet your needs.

ABOUT AWS

For over 12 years, Amazon Web Services has been the world's most comprehensive and broadly adopted cloud platform. To learn more about AWS, visit <https://aws.amazon.com>.

TO LEARN MORE ABOUT A LOW LATENCY CLOUD CONNECTION FROM SOFTWARE COMPANIES DIRECTLY TO AWS, REACH OUT TO ZAYO TODAY.

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