

Future proof data value and accelerate outcomes On Amazon Web Services (AWS)

BENEFITS

Accelerate time to insights:

Data is created constantly and keeping up with the changes can be difficult. By eliminating the amount of time to make data accessible before an application initiates operations, you can accelerate time to insights and outcomes (even as soon as the data is created).

Enhance business agility: Enable AWS applications instant, highly-available global access to decentralized data sources from edge to cloud to further improve efficacy of outcomes and flexibly deploy new workloads.

Unlock data from edge to cloud: Expedite cloud adoption while empowering users to leverage compute in AWS against data that can't be moved off premises due to regulations, security concerns, or lack of adequate connectivity.

Improve data governance and lineage: A single, globally-accessible dataset within AWS makes it easier to maintain, use, and protect the right data.

Reduce costs: Decrease project timelines and costs, such as migrations, by moving data faster; further reduce storage and transmission costs by keeping data in place (and reducing the number of copies).

Executive Summary

Many organizations choose Amazon Web Services™ (AWS™) as the foundation for their digital journey—seeking to take advantage of AWS' robust suite of microservices and market-ready solutions, almost infinite scalability and elasticity, enhanced security, and more. Leveraging the AWS cloud enables organizations to optimize resource allocation, accelerate innovation, and further their data-driven journeys. Organizations must approach future-proofing the value of their data as two separate yet equally critical steps: first, getting data (and, sometimes applications) to the AWS cloud, and second, delivering an end-to-end data pipeline that offers secure, global access to data. The outcome is maximizing the user and customer experience while minimizing delays in business value. Vcinity™ enables hyper fast data movement and seamless, real-time access to data anywhere—transforming organizations' abilities to derive value from their data, wherever their digital journey takes them.

Barriers to using Data in AWS

AWS cloud offers a wealth of benefits—but data inaccessibility can inhibit its realization. To start, many organizations look to migrate their workloads (including applications, databases, servers) and data centers from on-premises, public cloud, or other locations to AWS, but cloud migration can be a slow, costly, and cumbersome process.

Even after workloads and original datasets are migrated into AWS, data is being created constantly and at vast locations from edge to on-premise to cloud. For companies to mine this resource, their AWS applications need timely, secure access to these (often large) and geographically-distant datasets—introducing recurring time, cost, and complexity challenges each time data is moved. Additionally, due to regulations or security concerns, some data may be difficult or impossible to move into the cloud, which has historically restricted usability within cloud-native applications.

This time, cost, and complexity stifles the efficiency and agility of how a modern organization should derive value from its data—creating an increase in operational costs, hindering strategic infrastructure implementations, and impeding innovation.

Accelerate business outcomes on AWS with Vcinity

Vcinity transforms data movement and access by providing real-time access to distributed data at scale, regardless of distance and latency—delivering a continuous data pipeline.

Organizations can accelerate their adoption of the AWS cloud, as well as, optimize and scale use of its infrastructure and microservices. Whether rapidly moving data from point to point (such as into the AWS cloud, or from region to region) or instantly accessing data in place from a remote location (edge, core, or cloud), this continuous, seamless, secure, and global access unlocks data, new capabilities, and competitive advantage. This accelerates decision-making, expands innovation, streamlines IT cost structures, and enhances data security. Organizations can lay the foundation for a future-ready tech ecosystem, data strategy, and business by executing across two workstreams:

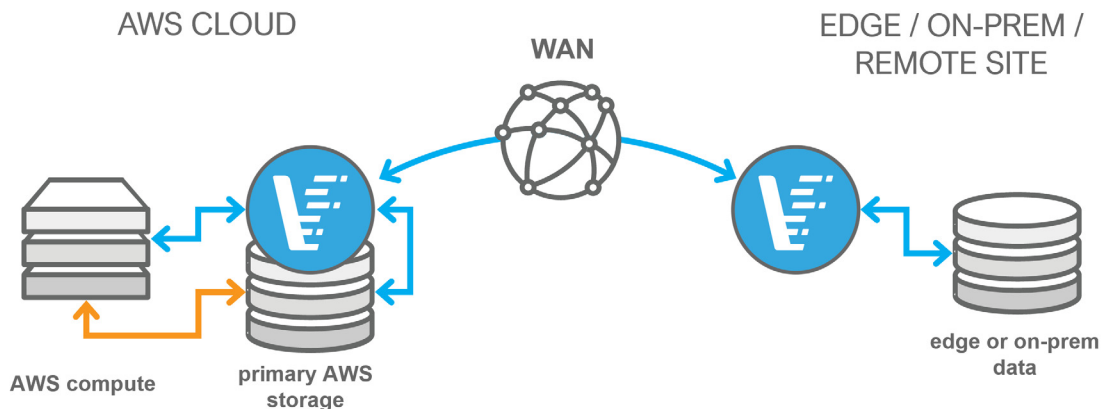


Figure 1. Vcinity transforms AWS' real-time global accessibility to data at scale.

Hyper-fast data movement: Whether moving data from the edge or on-premise into AWS, or from region to region, Vcinity expedites data transfers by using incumbent WAN connections and moving data at near line-speeds in a faster, more deterministic manner (with 90+ percent sustained bandwidth). A few examples of opportunities to transform your data movement include: AWS cloud migrations, consolidating or archiving Amazon S3 storage, centralizing data storage into a database (such as Amazon Redshift™), moving data from the edge (such as from AWS IoT Core or AWS Outposts) into the cloud, and/or backup/recovery of offsite workloads.

Real-time remote data access: Vcinity's revolutionary software enables your AWS applications to execute on remote data where and when it is created (such as on-prem or at the edge)—delivering local-like performance within your scalable AWS compute environment. This drives further control and security over data and its access, as well as, by reducing the need for copies, minimizes storage requirements and associated costs. A few examples of opportunities to transform data accessibility with remote data access include: burst compute for rendering, geo-distributed analytics at time of data-creation, training ML models on siloed data, enabling remote workstations, and more.

Let's Get Started

Ready to harness and further maximize access to your data—regardless of its location? Reach out to your AWS rep or contact us at Vcinity (sales@vcinity.io or vcinity.io/contact-us) to have a conversation around your goals, workflows—and how to accelerate your data's time to value on AWS.



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