Elevate cloud strategy with Verizon's Secure Cloud Fabric.

Discover how secure cloud fabric enables federal agencies on their digital transformation journey by empowering them with multi-cloud connectivity, simplified management, robust security, scalability and AI readiness.

Key features and benefits of Verizon's Secure Cloud Fabric

Connect to multiple cloud service providers

Simplify management

Secure devices, data, and transport enterprise services

Scalability and flexibility

With proven benefits, such as cost savings, improved security and quicker delivery of mission critical solutions, federal agencies are relying on the cloud to store, process and analyze their data. However, the challenges of managing and securing the vast amounts of data collected by the government each year in the cloud can be daunting. Further, establishing and maintaining secure connections can be complicated and costly, especially with agencies moving data more frequently between environments as they process data and put it to work. While data lakes alleviate some of these cost challenges, they present data privacy and security concerns. Verizon's Secure Cloud Fabric solution provides a comprehensive, secure and scalable network infrastructure that helps agencies overcome these challenges and take full advantage of the cloud's benefits.

verizon✓

Secure Cloud Fabric: what is it and how does it work?

Verizon's Secure Cloud Fabric is an innovative solution designed to provide customers with a reliable and flexible private cloud infrastructure that can evolve as their consumption needs change and as data usage policies evolve. The secure cloud fabric is integrated with the network to provide a structured network fabric between the customer and cloud service providers, as well as the ability to privately connect to other federal agencies data environments, including data lakes. It provides a secure and structured network environment that meets today's network requirements while also ensuring that the future needs of each agency's network are supported.

Key features and benefits

Connect to multiple cloud service providers:

Verizon's Secure Cloud Fabric enables seamless integration with hybrid cloud environments, including facilitating connections between federal agencies. With existing connections, agencies can easily establish cross connections, facilitating resource management and collaboration across public and private clouds. This unified infrastructure ensures secure and efficient data exchange, promoting streamlined operations and enhanced collaboration among government entities.

Simplify management:

Verizon's Secure Cloud Fabric simplifies cloud connectivity management from a single pane of glass, providing a holistic view of cloud infrastructure, network connections, and security policies. Decision-makers can efficiently monitor and manage the environment in near real-time, optimizing resource allocation, performance and compliance. This streamlined approach enhances operational efficiency, reduces complexity and enables data-driven decision-making.

Secure devices, data and transport enterprise services:

Verizon's Secure Cloud Fabric offers network peering, whether agency-to-cloud-service or agency-to-agency, through high-performance, secure connectivity and Equinix data centers, which meet FISMA-high cybersecurity standards. The solution helps ensure the security of sensitive government data and supports near real-time changes, monitoring and security across devices, landscapes and destinations. With Verizon's Secure Cloud Fabric, government agencies can securely store, process and transmit data while complying with federal regulations and internal policies.

Scalability and flexibility:

Verizon's Secure Cloud Fabric scales with government agencies' evolving needs, offering flexibility for changing workloads, resource and business demands. The solution enables seamless integration of new applications and cloud environments while maintaining consistent security and performance. This scalability empowers agencies to stay agile and responsive, delivering a future-proof solution that grows with their cloud consumption and mission focus.

Use cases

Secure, private multi-cloud connectivity:

Addressing the challenges faced by government agencies in managing and securing the vast amounts of data stored in the cloud, the solution offers a secure, private multi-cloud, software defined connection. The secure cloud fabric enables agencies to establish a non-bifurcated infrastructure that connects their different cloud environments, whether public or private, without relying on the vulnerable public internet. This ensures the confidentiality, integrity and availability of data during transmission within the agency or when shared with other federal agencies.

Support for data lake connectivity:

The secure cloud fabric helps agencies establish a data lake environment, which store raw data used for analytics, machine learning and data visualization. It offers a data connectivity framework that gives systems access to the information where it lives today. In addition, it enables the system to ingest the data it needs, reference the data it does not need to input, and output the data rapidly and efficiently to users.

Support for future AI development:

Verizon's Secure Cloud Fabric facilitates future AI development for government agencies. It enables the creation of a framework to deploy and augment AI infrastructure, harnessing the immense amount of data collected by the federal government. This connected framework builds the perfect environment to deploy the initial artificial intelligence systems to better support the governments mission. From hosting ChatGPT like systems for better customer service, to real-time analytics and AI driven analysis of inbound data, the Verizon Secure Cloud Fabric provides a framework for AI and for the future!

How might a government customer use Verizon's Secure Cloud Fabric?

To illustrate, consider how the US federal agencies are tackling the challenge of improper payments through the Payment Integrity Information Act of 2019. One aspect of this initiative focuses on improving death records management at the Social Security Administration and enhancing the utilization of death records by other federal agencies to ensure accurate payments. To achieve this, the Social Security Administration can securely store the data in a cloud solution. Other agencies can then query this data before making payments to verify that the intended recipient is still alive. Verizon's Secure Cloud Fabric provides a secure and high-performance pathway for multiple government agencies to access this sensitive data, enabling efficient and critical applications that involve checking trillions of dollars in payments.

Conclusion

Verizon's Secure Cloud Fabric is a comprehensive, private and scalable solution that empowers government agencies to meet their data management, connectivity and AI development needs. It offers a secure and private environment for multi-cloud connectivity, supports seamless connectivity to data lakes and provides a foundation for future AI advancements. By embracing this technology, government agencies can fully leverage the potential of cloud resources while maintaining security, privacy and compliance standards, thereby driving their digital transformation initiatives forward.