Simplify and Enhance Multi-Cloud Applications with Fortinet Secure SD-WAN

Executive Summary

Most organizations today work with multiple cloud providers for a host of benefits, including disaster recovery, global coverage, avoiding vendor lock-in, and leveraging best-of-breed solutions. But this diversity of public and/or private clouds increases the complexity of both network and security infrastructure, which in turn slows down operations. A secure software-defined wide-area networking (SD-WAN) solution can help enable multi-cloud adoption by simplifying

infrastructure at the network edge, eliminating performance bottlenecks for cloud- originated traffic, and reducing connectivity costs.

Fortinet Secure SD-WAN delivers both networking and security capabilities in a unified solution. It supports application performance, consolidated management capabilities, and advanced protection

against threats. As a first-of-its-kind innovation, Fortinet Secure SD-WAN provides the best in infrastructure support for communications within multi-cloud environments.

Traditional WAN Infrastructure Inhibits Multi-Cloud Capabilities

Most enterprises by now are familiar with the benefits that multi-cloud can bring to today's businesses but solving the complexities of managing and securing an assortment of different private and public cloud services remains a problem for many. Multi-cloud deployments suffer from lack of visibility across all environments, disjointed tools for management and control, and subsequent security issues.

To address operational complexity with using multi-cloud, customers connect multiple clouds at their on-premises data-center WAN edge. But traditional WAN relies on multiprotocol label switching (MPLS) links, which carry a premium price for connectivity. They are also built on an outdated "hub-and-spoke" architecture that funnels cloud application traffic back to an on-premises data center for filtering and security checks. As cloud application workloads continue to increase, this bottleneck chokes network bandwidth and creates performance problems for users across the organization.

Fortinet Connects and Secures Traffic Between Clouds

The Fortinet approach to SD-WAN infrastructure uniquely offers a secure and effective infrastructure for maximizing the benefits of enterprise multi-cloud strategies.

Fortinet Secure SD-WAN for Multi-Cloud automates deployment of a seamless overlay network across different cloud networks.

It offers visibility, control, and centralized management that unifies functionality across multiple cloud environments. It secures cloud traffic without necessarily backhauling through the data center and intelligently selects connections based on awareness of the specific application—improving performance and reducing dependence on costly MPLS links.Fortinet Secure SD-WAN for Multi-Cloud automates deployment of a seamless overlay network across different cloud networks.

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