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BEST ENTERPRISE

SD-WAN

DEPLOYMENT FRAMEWORKS

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SD-WAN Best Deployment Options

SD-WAN offers several deployment options, and the choice depends on the organization's specific needs, infrastructure, and preferences.

Here are some commonly considered SD-WAN deployment options:

- **On-Premises Appliance:** Deploying SD-WAN as on-premises appliances involves installing **physical** or virtual SD-WAN edge devices at each branch location. These appliances provide local connectivity and perform traffic routing, optimization, and security functions. This deployment option offers full control over the SD-WAN infrastructure and is suitable for organizations that prefer to manage the hardware and software components themselves.
- **Virtual Edge:** Instead of using physical appliances, SD-WAN can be deployed as virtual instances or software-defined virtual appliances running on **existing server infrastructure**. Virtual edge deployment is beneficial for organizations that prefer a software-based approach, have virtualization capabilities, or aim to leverage existing server resources.
- **Cloud-Delivered SD-WAN:** Cloud-delivered SD-WAN involves utilizing a service provider's cloud infrastructure to host and manage the SD-WAN solution. **Organizations can connect their branch locations to the cloud-based SD-WAN service**, allowing for simplified deployment, centralized management, and scalability. This deployment option reduces the need for on-premises hardware and provides flexibility for organizations that prioritize cloud-based solutions.
- **Hybrid Deployment:** A hybrid deployment combines multiple deployment options to meet specific requirements. For example, an organization may opt for on-premises SD-WAN appliances at some branch locations while

using a cloud-delivered SD-WAN service for others. Hybrid deployments allow organizations to leverage the benefits of different deployment models based on their unique needs, connectivity options, and scalability requirements.

- **Managed SD-WAN Services:** Organizations can choose to outsource the management and operation of their SD-WAN infrastructure to a managed service provider (MSP). In this deployment option, the MSP handles the configuration, monitoring, and maintenance of the SD-WAN solution, relieving the organization's IT staff from day-to-day management tasks. Managed SD-WAN services are suitable for organizations that prefer to focus on their core business while relying on an external provider for SD-WAN management.

When considering the best SD-WAN deployment option, organizations should evaluate factors such as their existing infrastructure, scalability requirements, management preferences, IT resources, and the need for control and customization. It's advisable to assess these factors and consult with SD-WAN vendors or managed service providers to determine the most suitable deployment option for their specific needs.



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