

Software-Defined Wide Area Networking(SD-WAN)

Software-Defined Wide Area Networking (SD-WAN) is a technology that enables enterprises to distribute network traffic dynamically across multiple hybrid WANs based on their current network status, to automatically determine the most effective way to route traffic to and from remote locations. Bandwidth Aggregation is a comprehensive solution that boosts network data rates and flexibility, enhances performance of high-bandwidth applications, and enables network usage to grow cost-efficiently and central site.

SD-WAN Features:

1. Multi Tenancy:

This allows multiple entities to work into a single instance of a software application. With each entity being called as a tenant, they only have access to their own software instance and they cannot view or access other entity data which is managed by Orchestration. Integrated orchestrated for wireless LAN (WLAN)/LAN/security/SD-WAN to form SD-Branch, Edge support Bandwidth from 50 Mbps to 10 Gbps.

2. Ease of Deployment

- Zero Touch Provision for secure and optimized connectivity to applications and data.
- Automation of all configuration process.
- Template based provision.
- Eliminating the manual labour involved.

3. Best Path Selection

- Performance based routing.
- Packet De-Duplication.
- Overcoming Packet Loss with Forward Error Correction (FEC).
- Application aware routing.
- Network parameters for path selection include - latency, jitter, PLR,
- network capacity WAN policies to override or customize link selection.
- Flow based load balancing.

4. Enterprise Data Security

- Transport Traffic with highest level Secure Encryption.
- End-to-End Threat Intelligence/Protection.
- Next-Gen Firewall and Unified access Security.
- Regular System Updates and Patches.

- Vulnerability management tools integrated Cloud Cyber security.
- Unidirectional measurement and steering (Can be different upstream and downstream path, Asymmetric) on Edge end-points Tunnel sessions with multiple WAN links.
- MAC address based secure Access Control for Edge end-points