

HOW TO SOLVE

SD-WAN ISSUES

BY REDUCING I.T. COMPLEXITY

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Centralized management,
automation and simplified
operations.

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How to Solve SD-WAN Issues by Reducing IT Complexity

SD-WAN helps solve IT complexity by **simplifying network management**, reducing the number of *manual* configurations, and providing centralized control over the network infrastructure. Here are some ways SD-WAN addresses IT complexity:

- **Automated Provisioning:** SD-WAN enables **automated** provisioning and deployment of network services and configurations. IT teams can define **templates** or policies that automatically apply network settings and security policies to new branch locations or devices. This *eliminates* the need for manual configurations, *reduces human errors*, and speeds up the onboarding process for new network sites.
- **Centralized Management:** SD-WAN centralizes network management through a software controller or management interface. This provides a **single pane of glass** for administrators to configure, monitor, and troubleshoot the entire network. Instead of managing each network device individually, IT teams can set policies, define routing rules, and enforce security measures from a centralized location, streamlining network management tasks.
- **Application-Aware Routing:** SD-WAN incorporates **application-aware routing** capabilities, which dynamically steer network traffic based on application requirements and performance needs. The SD-WAN solution can identify and prioritize critical applications, such as real-time voice or video conferencing, and allocate network resources accordingly. This eliminates the need for manual traffic engineering and ensures that

applications receive the necessary bandwidth and quality of service (QoS).

- **Dynamic Path Selection:** SD-WAN **intelligently** selects the optimal path for network traffic based on real-time conditions, such as latency, congestion, and packet loss. It can leverage multiple network connections, including MPLS, broadband internet, or wireless, and dynamically route traffic over the most suitable path. This automated and dynamic path selection simplifies network configuration and optimization, ensuring efficient utilization of network resources.
- **Simplified Branch Connectivity:** SD-WAN simplifies connectivity for branch offices and remote locations. Instead of relying on complex and manual configurations at each branch, SD-WAN provides a simplified approach to connecting remote sites. IT teams can deploy SD-WAN edge devices or appliances at branch locations, which can be easily provisioned and managed centrally. This reduces the need for on-site IT expertise, simplifies deployment, and ensures consistent connectivity across branches.
- **Consistent Security Policies:** SD-WAN allows for **consistent** application of security policies across the *entire network*. By centralizing security management, IT teams can define and enforce security measures, such as encryption, firewall rules, and threat detection, uniformly across all network locations. This simplifies security administration, reduces potential vulnerabilities, and ensures compliance with security standards and regulations.
- **Visibility and Analytics:** SD-WAN provides **enhanced visibility** into network performance and application behavior. IT teams can monitor network traffic, track application performance metrics, and gain insights into the overall network health. This visibility enables **proactive** monitoring, faster troubleshooting, and data-driven decision-making for network optimization.

By simplifying network management, automating configurations, optimizing traffic routing, and providing centralized control and visibility, SD-WAN **reduces**

IT complexity and streamlines network operations. IT teams can focus on strategic initiatives rather than being burdened by *manual configurations* and troubleshooting tasks, ultimately improving operational efficiency and reducing the potential for errors.



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Some things should be easy to manage.

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