



Simplify Your Network with Cisco SD-Access DXC Software Defined-LAN



DXC SD-LAN enterprises a centrally orchestrated and automated software defined LAN and WLAN service with integrated segmentation and unified access and lower TCO.

As organizations provide more flexibility for users and devices to connect to corporate networks, they often find that significant enhancements to their branch network environments are required. Some of the major challenges are to make the branch networks able to identify users and devices, provide the right level of trust and access and be flexible and agile to adapt to new requirements.

DXC is partnering with Cisco to build a scalable Software Defined-LAN solution which provides central orchestration enhanced with zero-trust macro and micro segmentation to simplify, modernize, automate, and secure the LAN/WLAN at lower TCO.

Increased requirements

The quantity and variety of end-devices is growing rapidly. This creates significant challenges for branch networks based on traditional LAN and WLAN architectures. There is a need to identify users and apply the appropriate trust level considering the connectivity medium as well as the type of device.

Identification and applying the appropriate trust level needs to be available in a flexible and agile way, to accommodate changing business requirements. Traditional branch networks are slow in adapting to changing business requirements and typically rely on a lot of manual configuration work, which is costly and time consuming.

Next to knowing who is connecting, where and how there is also a need to understand how users and devices are experiencing applications and services provided over the branch network. This is key to proactively identify and remediate potential service issues.

DXC SD-LAN

The inherent architectural complexity in many existing environments results in high operational complexity and cost with an inability to scale. DXC SD-LAN reflects enterprises' changing business needs requiring a central orchestrated, secure and agile branch network infrastructure.

WHY DXC?

- Ability to leverage extensive partnership with Cisco to collaborate and co-develop next generation solutions and deliver at scale
- +2500 network professionals located near our customers and in leveraged delivery centers globally, with expertise in managing next generation network solutions
- DXC's ability to provide the service fully end to end.
- Proven industrialized transformation approach with DXC's Modernization Director
- Consulting expertise to provide deep analysis using DXC's best practices
- Exclusive DXC intellectual property, experience and tools coupled with continuous innovation

DXC SD-LAN

Technical improvements

DXC SD-LAN is a modern network environment with an architectural model that is scalable and provides a range of benefits, such as:

- Highly efficient infrastructure using centralized orchestration and automation
- Increased resilience based upon fabric architecture improves reliability
- Integrated wired and wireless enabling a uniform, consistent and accurate access privilege level across all connectivity methods for users and devices.
- Simplified, agile network and security operations
- No compromise between performance and security

At the center of DXC SD-LAN is the Cisco Catalyst switching platform, Cisco Wireless LAN Controllers and Cisco' Next Generation access-point. Cisco Identity Service Engine controls the network access policies throughout the SD-LAN fabric domains, enabling a consistent and simplified security architecture.

Centralized orchestration with Cisco DNA-Center combines all Cisco Catalyst switches, wireless LAN controllers and next gen access points into a single fabric, simplifying and accelerating network provisioning, enabling automation of various configuration and lifecycle events. The centralized controller also enables deep insights in traffic flows, end-device, and application performances in real-time and historical fashion.

Why DXC?

- Decades of experience in consulting and advisory across all industry verticals allows us to perform deep dive assessments using DXC Digital Twin

- Agile industrialized approach to accelerate transformation using DXC's Modernization Director
- AIOps and data analytics utilizing DXC's Network tools platform
- DXC's strategic partnership with Cisco allows us to collaborate at the highest levels to deliver products and services that enhance platform capabilities to the benefit of our customers.

Conclusion

The integration of DXC expertise and tools plus the powerful Cisco portfolio yields an agile, secure, and cost-effective Software Defined LAN solution for enterprises of all sizes. These benefits include:

Micro and macro segmentation

The embedded segmentation capability based on Cisco Trustsec allows for macro and micro segmentation within the branch network, improving security and control.

Centralized orchestration

Centralized orchestration combines all branch network devices (switches, wireless LAN controllers and Next Gen APs) into a single secure fabric, simplifies troubleshooting, provides enhanced insights and enables centralized policy management.

Reliable and secure operations

Using DXC's Platform X and leveraging automation, analytics, and AIOps capabilities, DXC is providing world-class network management services to hundreds of customers globally.

Cost optimization

The DXC SD-LAN simplifies branch network and security architecture—saving cost with improved security features.

KEY RESULTS

DXC SD-LAN

94%

reduction in cost to manage and optimize network policies

67%

reduction in network provisioning time

80%

reduction in time to resolve issues

About DXC

DXC Technology (NYSE: DXC) is a leading enterprise technology and innovation partner delivering software, services, and solutions to global enterprises and public sector organizations — helping them harness AI to drive outcomes at a time of exponential change with speed. With deep expertise in Managed Infrastructure Services, Application Modernization, and Industry-Specific Software Solutions, DXC modernizes, secures, and operates some of the world's most complex technology estates. Learn more on dxc.com.

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