



Cisco Software-Defined Access

Introducing an entirely new era in networking.

Cisco® Software-Defined Access (SD-Access), built on the principles of the Cisco Digital Network Architecture (Cisco DNA), provides a transformational shift in building and managing networks: faster, easier and with improved business efficiency. By decoupling network functions from hardware, SD-Access helps ensure policy consistency, enabling faster launches of new business services and significantly improving issue resolution times while being open and extensible and reducing operational expenses.

Digital transformation is forcing enterprises to search for new ways to enable digital capabilities, deliver IT services and manage assets. We're moving toward a very different world. We need a very different network to get us there.

Benefits

- **Secure your organization and achieve regulatory compliance** with end-to-end segmentation that keeps user, device and application traffic separate without redesigning the network
- **Improve the workforce experience** by automating user access policy and applying the right policies for users or devices to any application across the network
- **Boost operational effectiveness** by enabling a consistent user experience anywhere without compromise – all with a single network fabric
- **Expand business insights beyond the Traditional network** by bringing outdoor, rugged, and industrial IoT endpoints into the IT fold

Common user policy for the branch, campus, WAN and cloud

End-to-End Segmentation

Secure users, devices and applications with identity-based policy, regardless of location

Network Automation

Design, provision, and manage your network with improved business efficiency

Single Network Fabric

Enable a consistent user experience anywhere without compromising on security

Reduce operational expenses and increase business agility

Why does a digital enterprise need SD-Access? Several studies have shown that over \$60 billion is being spent on IT operations (in-house and outsourced).

Network deployment challenges include complexity in network provisioning, difficulty in securing the entire network and inconsistency among disparate networks.

Network operations challenges include outdated change management tools, difficulty in maintaining productivity and slow issue resolution.

SD-Access addresses these challenges by enabling policy-based automation from the edge to the cloud. Built on industry-leading software and hardware elements, SD-Access provides next-generation capabilities and investment protection for existing deployments.

Network architects and administrators now have the tools to orchestrate key business functions, such as user mobility, secure segmentation, user onboarding, Internet of Things (IoT) integration, guest access, context-based troubleshooting and data center and cloud integration.

Administrators can also execute full network lifecycle tasks, including design, provisioning and operations with Cisco DNA Center.

With Cisco SD-Access, enable network access in minutes for any user or device to any application, all without compromising on security.