

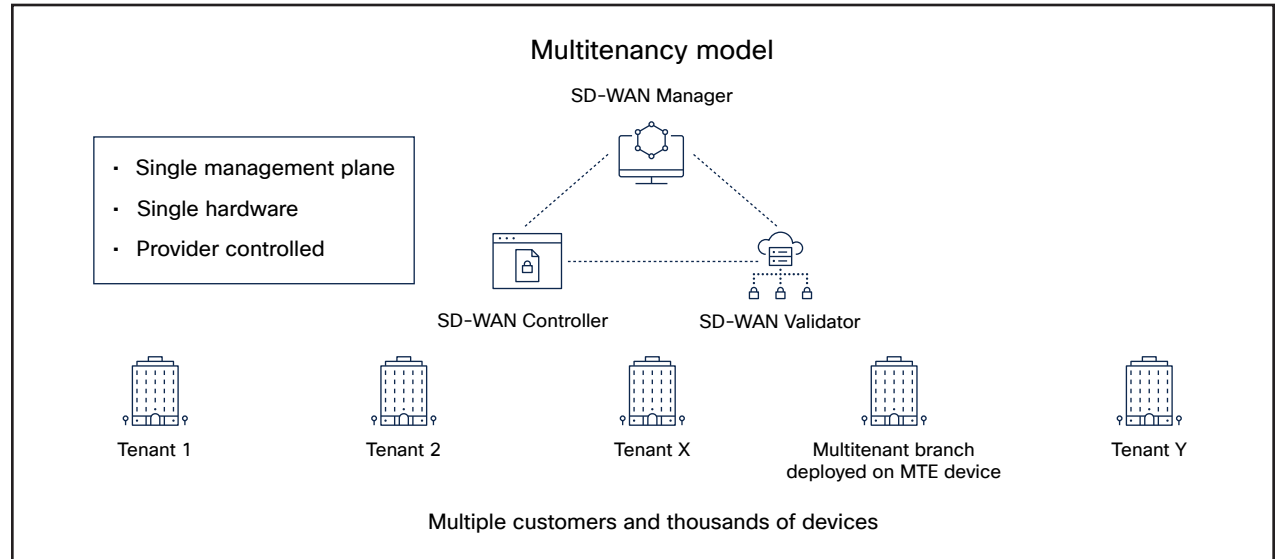
# Cisco Catalyst SD-WAN Multitenant Controllers and Edge Devices



## An overview for managed service providers

As a managed service provider, you've made scaling your implementation to manage customers efficiently while delivering exceptional services for each customer a central component of your business model.

Cisco Catalyst SD-WAN, with its multitenant controllers and edge devices, can help you manage your growing customer base in a cost-effective and operationally sound manner.











## Benefits

Cisco Catalyst SD-WAN multitenancy enables you to:

- Host multiple enterprise customers securely on a physical or virtual SD-WAN platform
- Simplify management across multiple customers (tenants) with a single pane of glass
- Onboard multiple customers and manage their networks using the same controller
- Reduce capital expenditures by efficiently hosting multiple customers on the same set of hosting servers for the controller set and the SD-WAN CPEs
- Save on operational expenses with simplified lifecycle management
- Launch customer-specific (tenant) views using a central controller
- Gain horizontal visibility for device and controller health through a common dashboard

### Cisco Catalyst SD-WAN multitenancy capabilities

 <p>Single Cisco Catalyst SD-WAN Manager dashboard for provider and tenants</p>	 <p>Security and segmentation for each tenant database and configurations</p>	 <p>Provider and tenant roles unique URLs for multitenant Cisco Catalyst SD-WAN Manager</p>	 <p>Telemetry and data driven quality metrics for each tenant</p>	 <p>The Tenant Resource Profile for MT-Edge facilitates the distribution of resources among tenants and enables monitoring of resource consumption at the tenant level</p>
 <p>Onboard single and multi-tenant edge device automatically using Zero Touch Provisioning</p>	 <p>Optimal cloud connectivity for tenants on multitenant controller</p>	 <p>UC Voice services for multitenant controllers</p>	 <p>Enable MSPs to run SD-WAN optimally</p>	 <p>The Multitenant Edge offers Tier definition support that can be leveraged for sites across the overlay network</p>

In a recent study IDC calculated that Cisco Catalyst SD-WAN customers will experience significant business benefits:

- 402% 5-year ROI
- 15.6 months to payback
- 39% lower total cost of operations
- 38% more efficient network management
- 167% more available bandwidth
- 71% more efficient help desk operations

- 38% savings in network infrastructure
- 94% reduction in unplanned downtime
- 77% reduction in network degradation
- \$1.5 million additional revenue gained or protected

IDC White Paper, sponsored by Cisco, The Business Value of Cisco Catalyst SD-WAN, Doc #US49579122, August 2022.

## Managing multiple Cisco Catalyst SD-WAN customers just got easier

### Multitenant controllers

With Cisco Catalyst SD-WAN multitenancy, control, visualization, and access to the overall configuration of each tenant are enabled using “provider” privileges. Each tenant has their own dashboard and can be assigned “tenant” privileges to build network policies specific to their organization’s requirements.

### Meet your customers’ unique requirements

One customer may require the ability to provide internet access to users directly from the branch. Another may prefer to divert all branch traffic to the internet via your data center. These configurations can be addressed through policies within the multitenancy environment.

## Easily scale when you need it

You can start small with a single node Cisco Catalyst SD-WAN Manager and expand to a six-node cluster as needed to accommodate a multitude of tenants and thousands of devices on the same SD-WAN network management system. You have the option to deploy controllers in your own data center(s) or request Cisco to deploy and manage the controller infrastructure in the Cisco cloud.

## Need multitenancy at the edge?

We've got you covered. Multitenant Edge for Cisco Catalyst SD-WAN enables a Managed Service Provider to host multiple enterprise customers securely on a single physical or virtual SD-WAN platform.

Use cases may include SD-WAN branch and data center Point-of-Presence (PoP) gateway deployments. Leverage the same SD-WAN network management system to efficiently utilize a set of resources across branch locations like airports, shopping malls, and large multistoried corporate facilities. Additionally, MSPs can benefit by using it for their PoP gateways that provide gateway services to Internet and data center applications.

## Reduce your expenses and delight your customers with an exceptional experience!

Cisco Catalyst SD-WAN multitenant controllers enable you to:

- **Deliver an exceptional customer experience:** Provide your customers individual dashboards for the visibility and control they want, and help ensure that you can perform expedited maintenance, updates, and upgrades when they need them.
- **Save on CapEx:** Make more efficient use of your platform investment by sharing the management, control, and orchestration plane across multiple customers. Achieve potential savings of greater than 85% by reducing servers, rack space, and cables for deploying controllers.
- **Save on OpEx:** Simplify your operations and accelerate deployments from a single pane of glass for management and operations of multiple customers. Achieve potential savings of greater than 90% with more efficient lifecycle management, disaster recovery, and reduced power consumption.

## Learn more

Ready to simplify your SD-WAN managed services operations while delivering customers a superior experience? For additional information, watch the [What Is Cisco Catalyst SD-WAN Multitenancy? video](#) and view the [configuration guide](#).