

Lowering WAN costs and improving application performance

Reduce operational costs and help eliminate network downtime while securing your branches.



Recurring WAN service costs represent **21% to 25%** of the cost to support a typical end-user environment.*

Improve your WAN experience and evolve to an intent-based network in four easy steps:



Step 1: Move to hybrid WAN

Are WAN costs getting out of control?

[See more](#)



Step 2: Deploy SD-WAN

Is managing your branches a burden?

[See more](#)



Step 3: Secure branch connectivity

Are you concerned about security?

[See more](#)



Step 4: Improve application performance

Is application experience predictable?

[See more](#)

Learn about Cisco SD-WAN powered by Viptela

[Try our demos](#)

Step 1: Move to hybrid WAN



Ask yourself

Are increasing WAN bandwidth costs eating into your IT budget and delaying other critical initiatives?



Something to consider

By complementing or replacing costly MPLS connections with Internet or LTE/3G/4G links, you can increase available bandwidth while reducing costs.



Recommended solutions

- [Cisco SD-WAN powered by Viptela](#)
- [Cisco SD-WAN powered by Meraki](#)
- [Lifecycle services for SD-WAN](#)

Benefits: Save up to 40% on WAN OpEx costs by reducing WAN service charges and greatly simplifying management.



Find out more

[Explore other SD-WAN benefits](#)

[Back to top](#)

Did you know?

Enterprises expect 20% cost savings from hybrid WAN and SD-WAN.



Source: IDC Worldwide SD-WAN Survey Special Report, May 2016.

Step 2: Deploy SD-WAN



Ask yourself

How do you simplify management and reduce the OpEx of the WAN and distributed branches?



Something to consider

By centralizing policy-based management of all branches from the cloud, you simplify and automate management tasks, reducing costs even further.



Recommended solutions

- [vManage for Cisco SD-WAN](#)
- [Cisco Meraki dashboard for Cisco SD-WAN](#)
- [SD-WAN deployment services](#)

Benefits: Provision, monitor, and configure all branches from a central management console. Our Services experts can help you successfully create a detailed design and implement your SD-WAN solution.



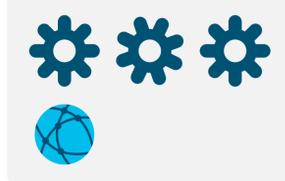
Find out more

[Read solution overview](#)

[Back to top](#)

Did you know?

Organizations spend three times more on network operations than on the network.



Source: Study of network operations for Cisco, McKinsey, 2016.

Step 3: Secure branch connectivity



Ask yourself

Are you being slowed down by the security concerns of using Internet broadband for branch connectivity?



Something to consider

To adequately protect your branches and data, you need a complete branch security solution, including VPNs, segmentation, secure direct Internet access, and multi-layered security at each branch.



Recommended solutions

- [SD-WAN security](#)
- [Cisco Meraki Security and SD-WAN](#)
- [Cisco Umbrella](#)

Benefits: Securely connect your users to applications, and protect your data from the WAN edge to the cloud.



Find out more

[See how to simplify](#)

[Back to top](#)

Did you know?

Of security professionals, 59% say that cloud infrastructure and mobile devices are among the most challenging to defend against attacks.



Source: Cisco 2018 Annual Cybersecurity Report.

Step 4: Improve application performance



Ask yourself

Are you concerned about the performance of business-critical applications when using Internet broadband for your branch connectivity?



Something to consider

By using WAN analytics, application-aware path optimization, prioritization, and virtualized cloud routers, you can deliver on-premises and cloud-application performance that meets SLAs and user expectations.



Recommended solutions

- [Cisco SD-WAN Cloud onRamp](#)
- [Cisco Meraki Insight](#)
- [Cisco vAnalytics](#)

Benefits: The Cisco SD-WAN solution uses analytics and learns through network, application, and device data to optimize the application and SaaS experience.



Find out more

[Optimize Office 365 performance](#)

[Back to top](#)

Did you know?

By 2020, more than 50% of WAN edge infrastructure refresh initiatives will be based on SD-WAN.



Source: Gartner, Technology Insight for Software-Defined WAN (SD-WAN), Andrew Lerner, Neil Rickard, Ted Corbett, 2017.

Learn about Cisco SD-WAN powered by Viptela

[Try our demos](#)

Transform to an intent-based network with Cisco DNA

* Source: Gartner, Cloud Needs a New WAN, Mark Fabbi, Neil Rickard, 2016.