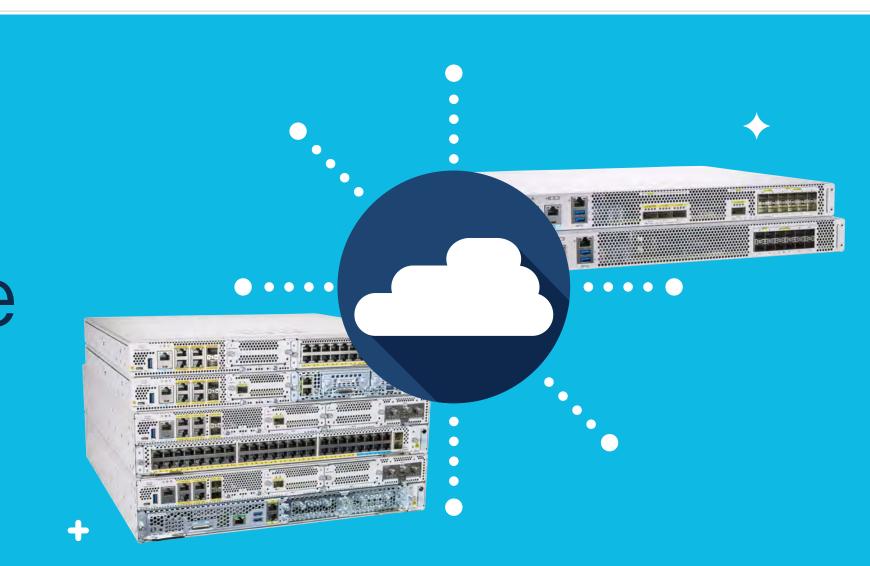
8 Ways to Enable the Cloud Edge

Use cases for the Cisco Catalyst 8000 **Edge Platforms Family**





Increased demands on the cloud edge call for new solutions

Legacy WAN architectures that are not automated and are complex

to manage hinder the ability to adopt new technology to access cloud applications.

In this situation, migrating to faster connectivity or adding new services or cloud applications could increase costs, compromise security, and increase downtime.

can negatively impact the user experience and decrease productivity for a distributed workforce.

Plus a lack of visibility when consuming applications over the internet



expect the majority of apps to be SaaS by 2021

60% of organizations

Cisco 2020 Global **Networking Trends Report**



43% of network teams identified

improving embedded network security capabilities as a priority Cisco 2020 Global

Networking Trends Report



Over 70 percent of the global population will have mobile connectivity by 2023. The total number of global mobile subscribers will grow from 5.1 billion (66 percent of population) in 2018 to 5.7 billion (71 percent of population) by 2023. Source: Cisco Annual Internet

Report White Paper (2020)



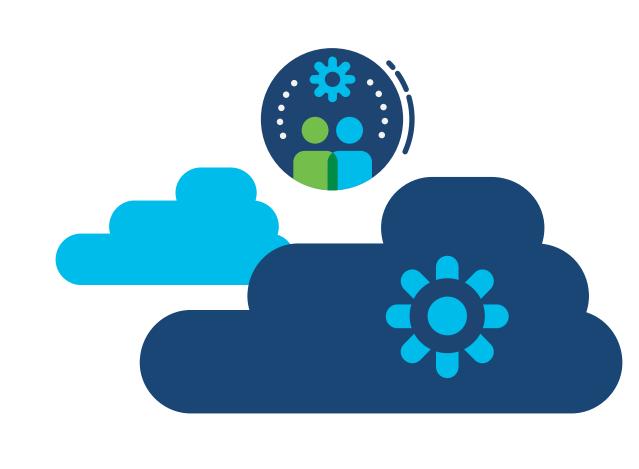
and visibility in a cloud-based, as-a-service solution to bridge the WAN edge to the cloud edge.

The Cisco Catalyst 8000 Edge Platforms Family delivers greater agility

and automation than ever before. They offer agility, pervasive security,

the Catalyst 8000 Edge Platforms Family

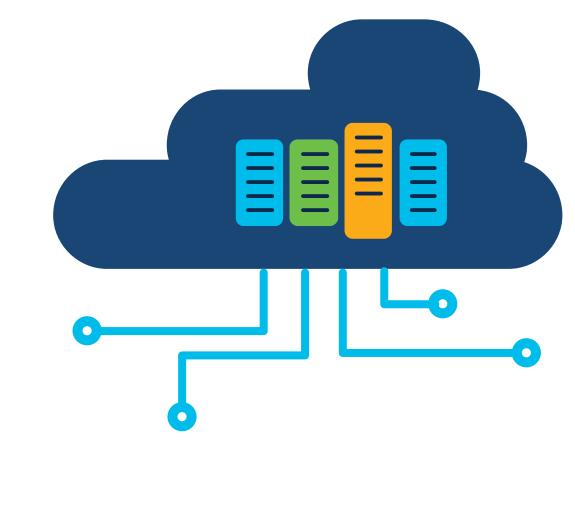
Discover 8 possibilities at the new cloud edge with



experience Exceptional experience has become an imperative. With a distributed workforce consuming applications as a service,

Deliver an exceptional multicloud

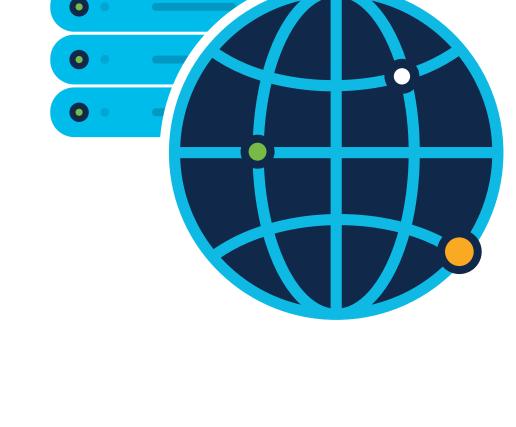
application optimization and SD-WAN connectivity can reduce costs and improve productivity. End-to-end visibility through analytics with access policies across the WAN provides the agility IT needs with the best user experience.



Gain secure, optimized connectivity to cloud applications with

Be ready for SD-WAN

segmentation, application optimization, and Cloud OnRamp connectivity. Cisco SD-WAN delivers a carrier-grade solution for predictable application experience, with one user interface for security and connectivity across the branch, cloud, and colocation facility.

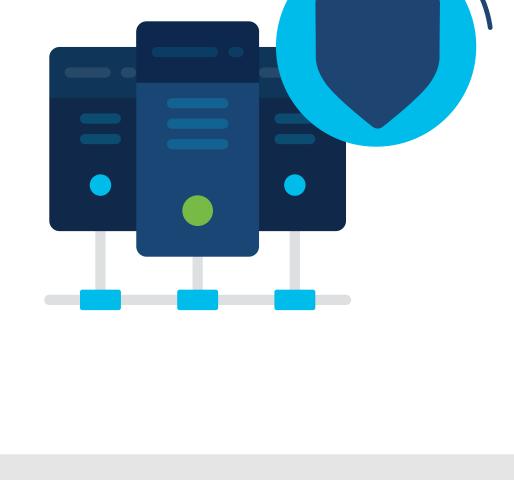


Deploy cloud-delivered multilayered security for direct internet access (DIA) and enhanced segmentation. The full SD-WAN

security stack provides secure, direct cloud access from the

Secure your DIA connections

branch to the cloud.1 ¹The accessible security features vary with the Cisco DNA Software subscription tier.



edge and cloud-based security are combined to create a robust secure access service edge (SASE) architecture. A full security stack is built into this "trustworthy solution" - it is

Enable a SASE architecture

With the Cisco Catalyst 8000 Edge Platforms Family, the WAN

secure by design.



Easily upgrade to the latest wireless WAN and cellular technology with 5G-ready platforms for uninterrupted access to cloud applications. When reliable connectivity from remote locations is not an option, deploy 5G-based

edge services on the Catalyst 8000 family.

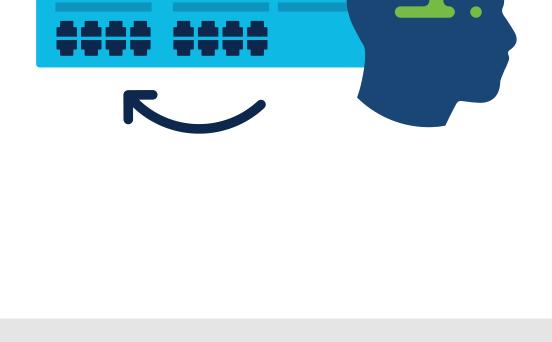
Become 5G ready at

remote sites

Deliver agility, assurance,

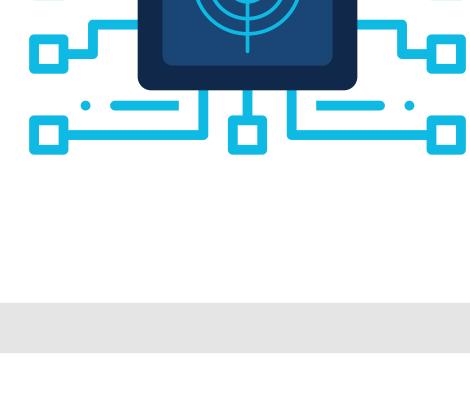
at the cloud edge

and self-healing capabilities



The Catalyst 8000 family has a distributed analytics architecture, with embedded, end-to-end analytics for AI/ML.

for lower latency



first - integrated 40G and 100G Ethernet ports - the Catalyst 8000 family enables you to experience three times the encrypted traffic performance. Our compact design shrinks your rack space requirements, enabling data center and

Host applications at the edge

Host your mission-critical workloads such as Internet of Things

(IoT) at the edge, and when latency in any application could

integrated circuit (ASIC) chip, and with an SD-WAN industry

impact business. Powered by a Cisco application-specific

colocation deployments to reduce footprint and cooling costs.

Consolidate services with

Cisco a software-defined branch



8000 family supports a robust third-party technology ecosystem with security, cloud, and network management

options and is open and programmable.

Get a solution that is purpose built for cloud networking, with

voice and compute capabilities at the edge. The Catalyst



3x the encrypted traffic

performance



a customized high-speed

Experience the agility, security, and visibility you need



alternatives on the market

Trademarks

Up to 5x greater IPsec

performance than current

port connection to the main processing engine

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