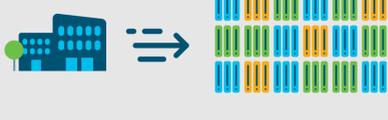


Accelerate IoT deployments and achieve OT cost efficiencies

Expand IT's reach to centrally secure IoT endpoints.



The installed base of IoT endpoints will reach over **36 billion** units by end of 2021.*

Extend your intent-based networking journey for IoT in four easy steps:



Step 1: Simplify and expand IT's control

Are you juggling to secure multiple disparate networks?

[See more](#)



Step 2: Enhance IoT security

Are IoT endpoint-related risks holding you back?

[See more](#)



Step 3: Automate at scale

Can your IT team scale to support IoT?

[See more](#)



Step 4: Increase visibility and assurance

Do you have visibility across your organization?

[See more](#)

Accelerate into IoT networking

[Read Extended Enterprise white paper](#)

Step 1: Simplify and expand IT's control



Ask yourself

Will your organization benefit from connecting your extended enterprise (warehouses, distribution centers, and outdoor spaces) to your IT network?



Something to consider

You can increase operational efficiencies, security, and service levels by bringing industrial, IoT, and outdoor environments into the IT fold.



Recommended solution

• [Extended Enterprise](#)

Benefits: Expand IT reach beyond the traditional enterprise network. Use Cisco's latest intent-based networking technologies and ruggedized network devices to power policy-based automation, service assurance, and security.



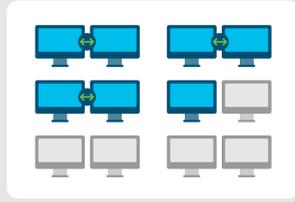
Find out more

[Read Extended Enterprise At-a-Glance](#)

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Did you know?

By 2020, 46% of network devices will be machine-to-machine (M2M)/IoT.



Source: Cisco Visual Networking Index report, 2016.

Step 2: Enhance IoT security



Ask yourself

Are you concerned that IoT endpoint-related security risks might harm your extended network?



Something to consider

Identifying different device types and categories (sensors, cameras, machines) can facilitate network segmentation and prevent threats from propagating.



Recommended solutions

• [ISE integration with Cisco Industrial Network Director](#)
• [Security services for ISE](#)

Benefits: Enhance visibility and access control for devices that are typically not under IT control. Set up the network for policy-based segmentation to minimize the IoT attack surface.



Find out more

[Manage IoT threats](#)

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Did you know?

Attackers can infect 100,000 IoT devices in 24 hours.



Source: Cisco 2017 Midyear Cybersecurity Report.

Step 3: Automate at scale



Ask yourself

Can your IT team easily manage and deploy connectivity to scale to multiple facilities in the extended enterprise?



Something to consider

By centralizing management, IT can simplify deployment and operations of the ruggedized IoT network across the extended enterprise.



Recommended solutions

• [Extended Enterprise](#)
• [DNA Center with automation and extended SD-Access](#)
• [DNA Advise and Implement Service](#)

Benefits: Deploy centralized segmentation and policy management beyond the traditional corporate network to the extended enterprise. Increase operational efficiency and reduce exposure to threats.



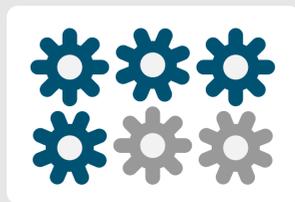
Find out more

[Watch Extended Enterprise video](#)

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Did you know?

Automation can save 61% in network operating costs.



Source: Internal TCO analysis with large enterprise customer.

Step 4: Increase visibility and assurance



Ask yourself

Do you have visibility across your entire organization?



Something to consider

The critical factor for these environments is availability of the network and related business processes. Without visibility, IT and your business are driving blind.



Recommended solutions

• [DNA Center with assurance](#)
• [DNA Center advise and implement service](#)

Benefits: Get proactive troubleshooting to prevent issues before service levels are impacted.



Find out more

[Get assurance with DNA Center](#)

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Did you know?

Network monitoring is in the top three resource-intensive activities.



Source: Cisco and McKinsey automation research, 2017.

Accelerate into IoT networking

[Read Extended Enterprise white paper](#)

[Transform to an intent-based network with Cisco DNA](#)

* Source: IDC, Worldwide Internet of Things Forecast, Carrie MacGillivray, Marcus Torchia, Andrea Siviero, Nigel Wallis, Milan Kalal, Vernon Turner, Yuta Torisu, Roberto Membria, Ashutosh Bisht, 2017.