



# AGILITY TRUMPS FRAGILITY

It is time to automate your network and bring agility  
back with Cisco Digital Network Architecture



# Say goodbye to inefficiencies

The world is changing at a rapid speed and to stay competitive, businesses need to adapt to today's evolving landscape. New demands are putting more pressure on the network, expecting agility, automation, zero-error and quick deployment.

IT struggles to keep up with the pace of such change as **network updates remain costly and time consuming**. Configuring and reconfiguring network branches, branch by branch and device by device can **turn a "simple" update into a bottleneck for the entire business**.

At Cisco, we believe in **unleashing network agility**. Our solutions provide a way to manage and deploy networks rapidly and securely whether it is for one or many sites. With **Cisco Digital Network Architecture**, all you need to do is simply establish a policy and manage updates at scale. Quickly turn-up new branch locations with plug-and-play capabilities, add new functionalities, deploy new applications... all in just a few clicks.

Big changes can feel seamless if done in the right way with the right tools and knowledge. Make Cisco a central part of your DNA and quickly see how we can make meeting deadlines automatic.



# Bring agility into your network configuration and provisioning

Today, IT is under an increasing pressure to reduce manual tasks, speed up deployment and simplify network management. Thanks to **network automation**, IT can finally enable new innovative networking solutions and start work smartly.

**Cisco® Application Policy Infrastructure Controller - Enterprise Module (APIC-EM)** is a Cisco DNA controller that delivers **software-defined networking** to the enterprise branch, campus, and WAN. Cisco APIC-EM enables IT to automate policy-based application profiles and manage all network domains as one unit from a single, centralized location. This makes network updates quicker and IT teams more agile in network management. The controller is a combination 4 innovative applications:

## Plug-and-Play

With **Plug-and-Play**, you no longer need to spend valuable time configuring each device. Simply plug your devices and the defined network policies will be automatically deployed! **Cisco Plug-and-Play reduces deployment time from 4 weeks to days and decreases day-zero deployment costs by up to 79 percent compared to traditional methods.**

## EasyQoS

**EasyQoS** will change the way you think about quality of service. You will no longer need to manually set up quality policies for all your devices. Simply define your policies and deploy them to the entire network in just one click.

## Path Trace

With **Path Trace**, you save valuable time at connection troubleshooting. This application gives you full visibility on a connectivity problem and helps pinpoint which switch or router is not performing well.

## Intelligent WAN

Employing **Intelligent WAN**, the software-defined WAN solution of Cisco, you will even be able to automate network policies for multiple resources at your remote branch locations, from one central point instead of doing it manually, from node to node.

An added bonus is that APIC-EM is compatible with your existing infrastructure and can be downloaded at **no additional charge** from the **Cisco DevNet community!**



# Virtualize everything

To further help IT managers reduce operational complexity, we have introduced **Cisco Enterprise Network Functions Virtualization** (Enterprise NFV).

Enterprise NFV lets you **abstract the network services from their underlying hardware**, meaning that infrastructure functions can be quickly deployed as software on any infrastructure when needed. For example, instead of installing and operating a physical firewall, Enterprise NFV allows network operators to simply load a virtual firewall on a virtual machine.

With less dependency on physical devices, you can now optimize the use of your infrastructure and **respond more dynamically** to changing market demands by deploying

new applications and services on demand. Enterprise NFV also **speeds up deployment time** for new services because it allows a more automated and agile approach to service delivery.

**Cisco is able to speed the deployment and reduce deployment costs by 79% by decoupling software from hardware and virtualizing the (WAN) edge.**

By redefining your network with software, you will suddenly have the **agility to deploy new applications and services on demand**, keeping you ahead of the game.



# Solutions for any deployment model

Whether you are looking for customizability of an **on-premises infrastructure** or the ease of use of **cloud-managed infrastructure** – Cisco DNA has the solution that meets your needs.

Many businesses are increasingly considering the benefits of cloud-managed IT vs those of on-premises networking, or a hybrid solution. A decision not to be taken lightly.

## How can you choose the right infrastructure for your business?

If you are looking for **in-depth visibility, security and full customization** – Cisco DNA **on-premises solutions** could be the best choice available to you. On-premises networks also provide additional benefits such as intelligent caching for best user experience, advanced optimization techniques and customized deployments.



If you are operating with a lean IT model and looking for simplified, centralized plug-and-play network management solution – consider our **Meraki® cloud-managed IT solutions**. Meraki provides maximum **agility, security, ease of use and flexibility** combined with full network visibility through a centralized dashboard.

*“Cisco Meraki is so easy to handle that you don’t need in-depth technical training. A two-hour briefing was enough. Configuring the device is almost as easy as building with LEGO bricks.”*

Uwe Fabian, IT director, SternPartner GmbH & Co. KG.

Finally, if you are running a business with highly distributed branches, you might consider a **hybrid environment** where on Cisco’s on-premises solutions are deployed in the core and cloud-managed IT solutions are deployed in the branch.

Whether you are adopting cloud-managed IT, on-premises or hybrid solutions, with Cisco DNA you can build an agile network architecture that is ideal for your application strategy, your IT staff’s capabilities and your business requirements.



To find out more:

Cisco Meraki

Cisco On-premise

# Bring agility into your software management with Cisco One

To help make buying, managing and upgrading your network much easier, we've bundled hundreds of software features into one solution for our on-premise networks – **Cisco ONE™ Software**. It is a truly **valuable and flexible way to buy software** for your data center, WAN and access domains.

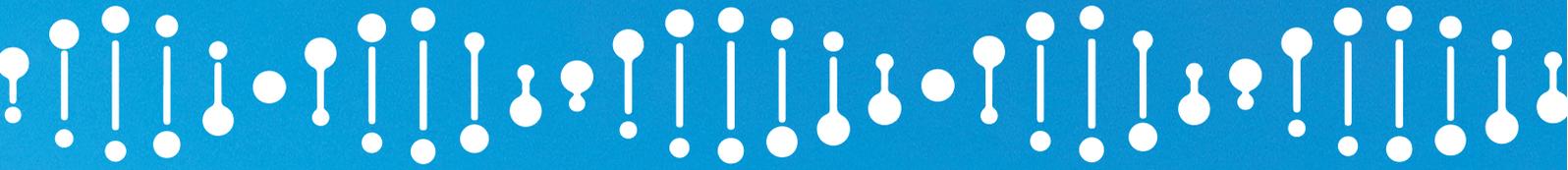
Say goodbye to the tiresome thought of painfully comparing hundreds of separately priced software features. You can now simply purchase a single Cisco ONE Software product. We deliver flexibility with a choice of licensing options, making Cisco ONE Software licenses transferable to the next generation of applicable devices, so you can save on costs when you upgrade.

With Cisco ONE, you can focus on what's really important for your business and stop spending time on license management.

To find out more:

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Reduce your operational complexity  
and increase the speed of deployment.

Automate your network today with  
Cisco Digital Network Architecture.

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