

Networking Academy Day

DigitalPakt jetzt!

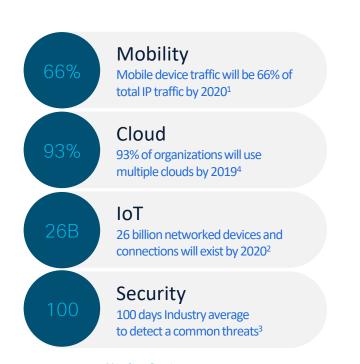
Frank Slawitzki EN SE / TSA April 24, 2020

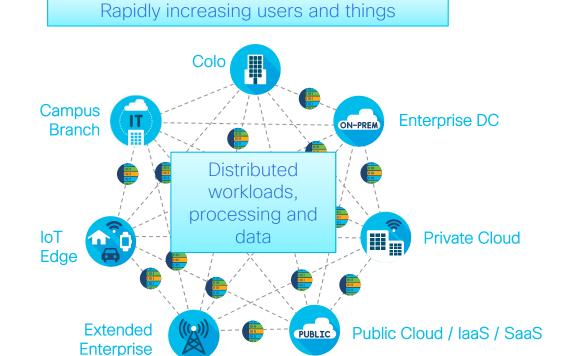


Cisco Intent-Based Networking

Vision & Strategy

New world network requirements Increased application distribution, device scale and threats





Cisco Complete VNI Forecast C97-74293 <u>១ ខេត្ត ១ ខេត្ត ១ ខេត្ត ១ ខេត</u>្ត ១ ខេត្ត ១ ខេត

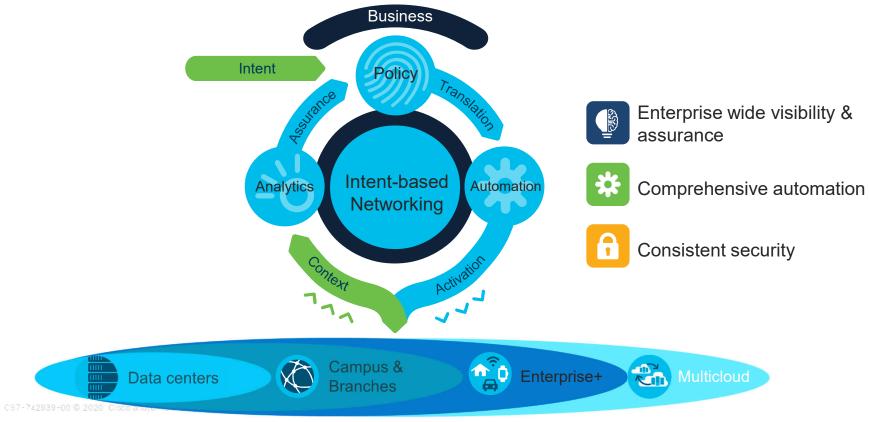
No clear perimeters; increased risk



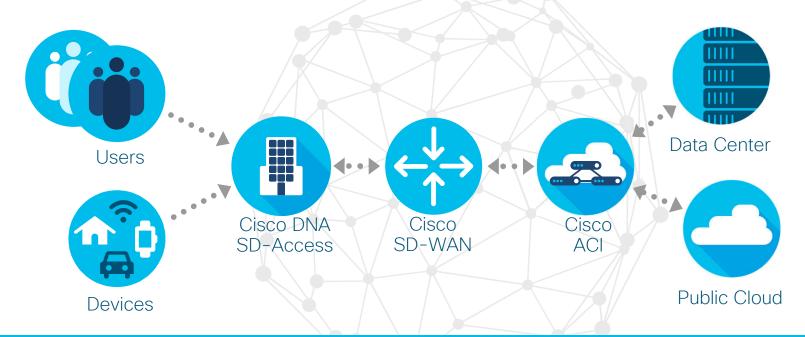
```
Building configuration...
Current configuration: 130873 bytes
! Last configuration change at 09:35:14 Bahrain Wed Oct 17 2018
by root
! NVRAM config last updated at 11:29:03 Bahrain Wed Oct 17 2018
by root
version 16.9
no service pad
service timestamps debug datetime msec
service timestamps log datetime msec
service call-home
no platform punt-keepalive disable-kernel-core
hostname C9500-Core
vrf definition Mgmt-vrf
 address-family ipv4
 exit-address-family
 address-family ipv6
 exit-address-family
enable secret 5 <removed>
enable password < removed>
```



Intent-Based Networking Model

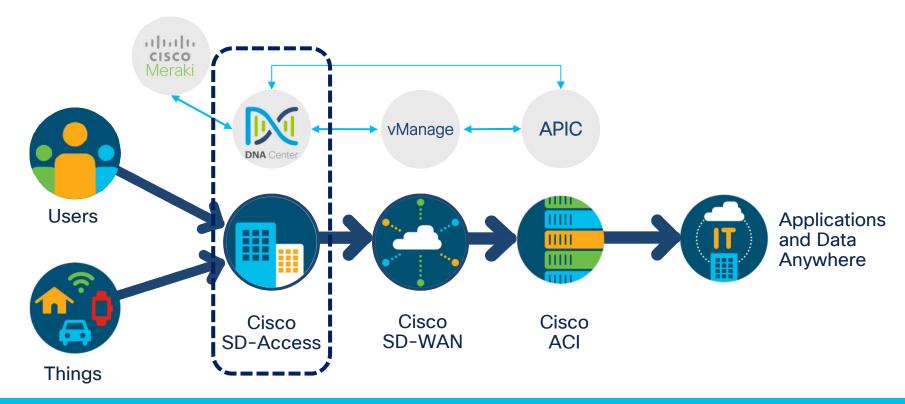


Cisco Intent-based networking solutions from access to application



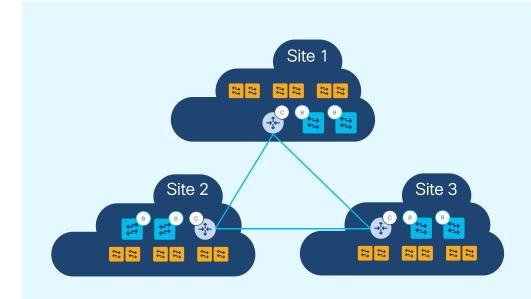
Delivering intent-based networking across all networking domains

Building Cross-Domain Intent-Based Networking



ML/Al Driven Analytics | Cloud Delivered Software | More Security Integration

Introducing SD-Access for Distributed Campus Enhanced resiliency and scale for large deployments



Extend SD-Access benefits campuswide

- End-to-end policy and segmentation
- Enhanced resiliency and local isolation
- Direct Internet access per site
- Automated intersite connectivity
- Scalable to 100+ sites
- Flexible: 50 to 100,000 users per site

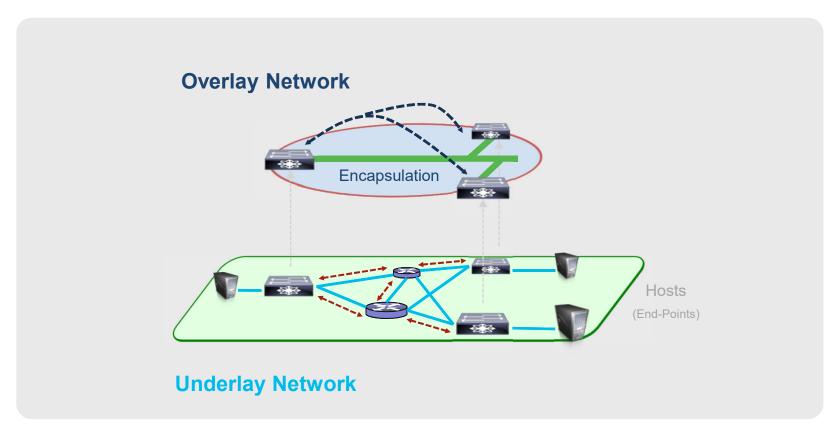
Automation and Assurance managed through Cisco DNA Center.

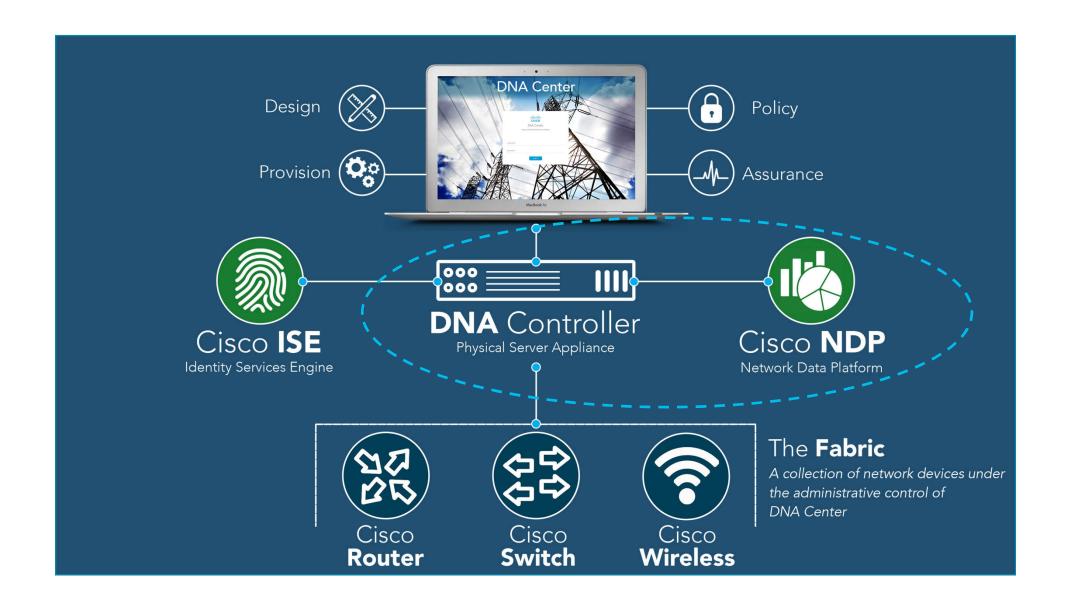


Cisco Software-Defined Access

Introduction and Overview

SD-Access Fabric - The Fabric Concept

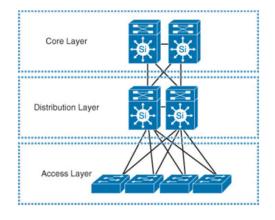


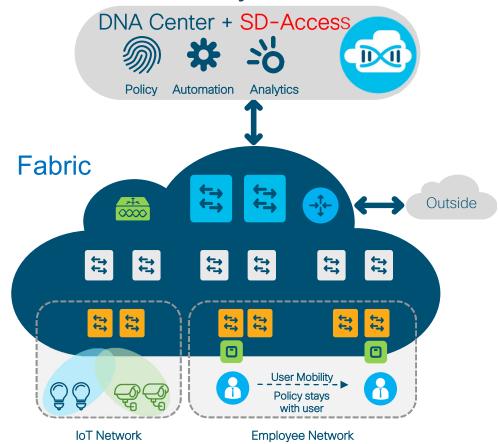


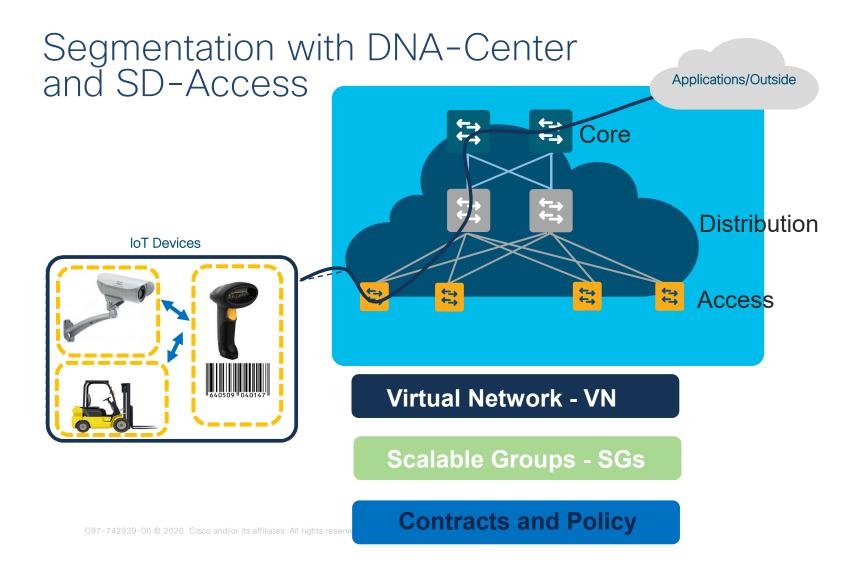
You decide what DNA-Center will do for you

Classic









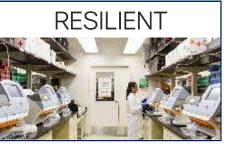


Cisco Catalyst for Education

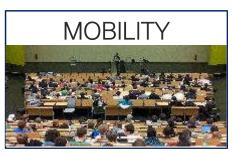
Enterprise grade sized for small deployments

Catalyst for Every Port















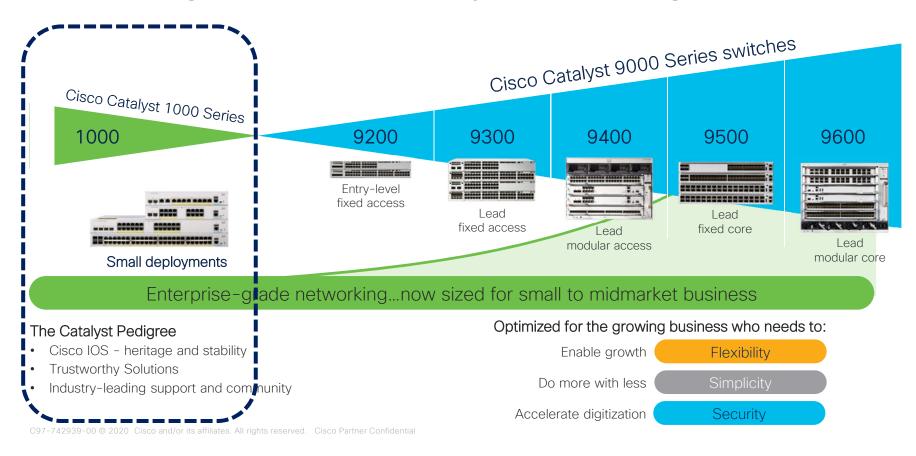


PROGRAMABILITY

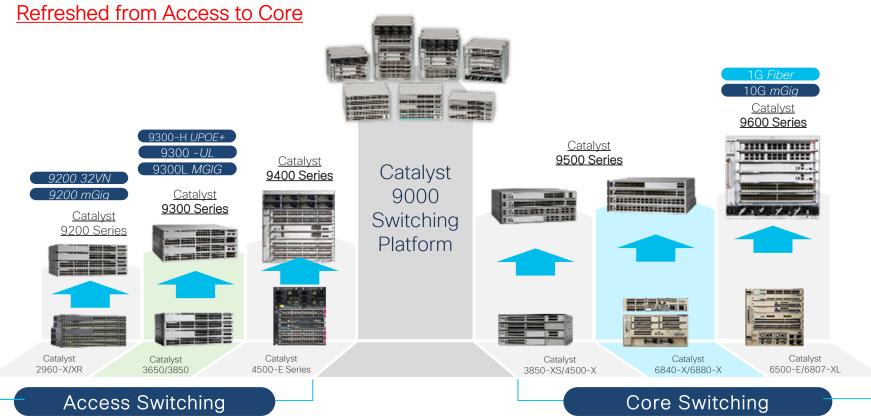
VISIBILITY & ASSURANCE

ONE PLATFORM MANY ARCHITECTURES

Expanding the Cisco Catalyst switching



Cisco Catalyst Switching Portfolio





Cisco Catalyst 9000 Family

Introduction and Overview

UADP - Next Generation of ASIC Innovation



Up to 20B Transistors









Flexible & Programmable ASIC - Adapts to the New Technologies

Catalyst 9K Family - x86 CPU

X86 based architecture helps with hosting containers and apps that are designed for x86 systems

x86 opens up the doors for IOT & Cloud Apps

Puppet/Chef/etc.



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