Cisco Intent-based Networking

Transformation Ihres Netzwerks

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Digital transformation drives new business priorities

Transform processes and business models

Foster innovations
Decrease time to market

Empower workforce with efficiency and innovation

Increased productivity
Better retention

Personalize customer experiences

Greater insights
Increased loyalty

But new priorities raise IT and network complexity

Mobility
5-7X business mobile traffic growth through 2022[1]

IoT
28.5 billion networked devices and connections will exist by 2022[1]

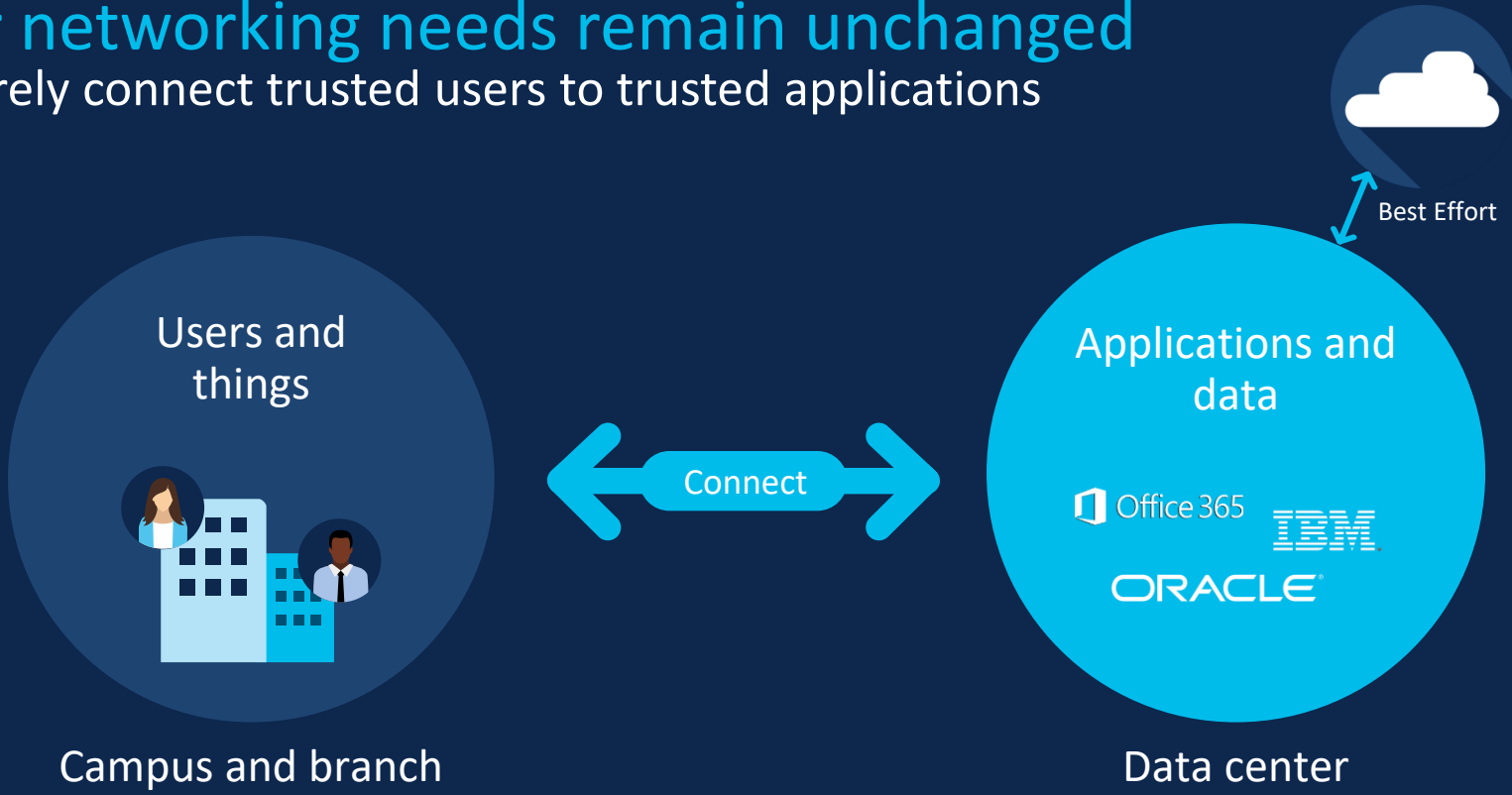
Cloud
93% of public cloud users have two or more providers.

Security
50-70% of web malware will be encrypted[3]

[1] 2019 Cisco VNI: Global Fixed and Mobile Internet Traffic Forecasts | [2] 2019 Gartner survey: Why choose multiple clouds | [3] 2017 Gartner: Gartner Predicts 2017: Network and Gateway Security, Dec 13 2016, ID G00317597

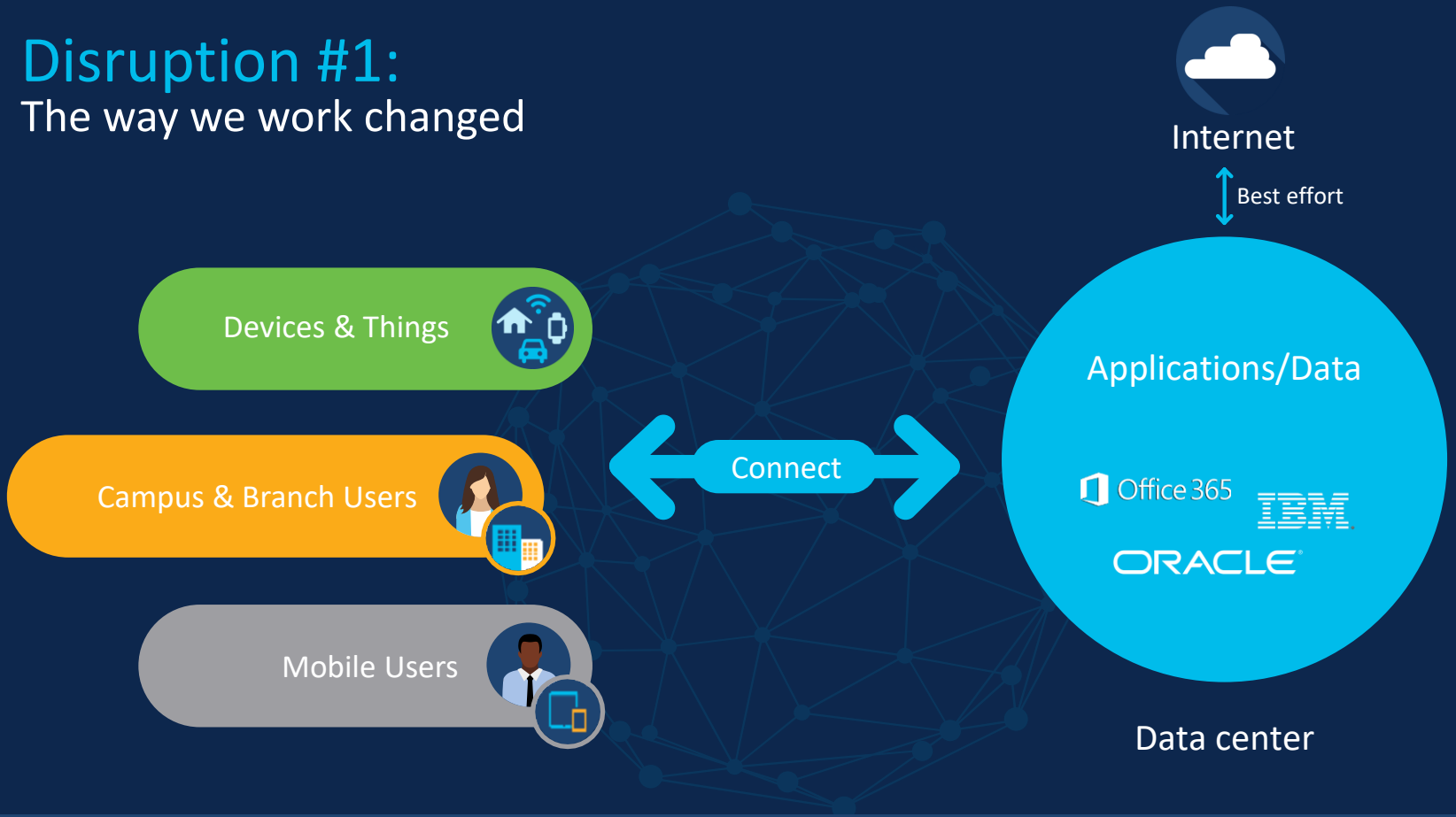
Our networking needs remain unchanged

Securely connect trusted users to trusted applications



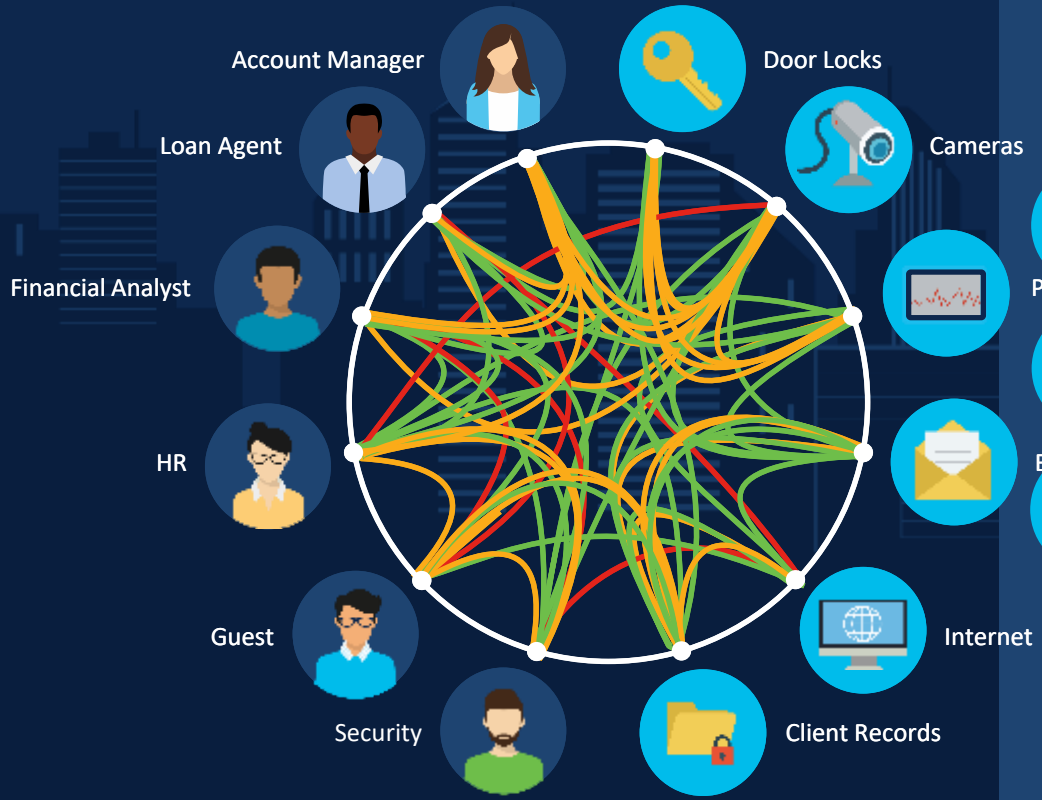
But IT is challenged by massive disruptions in users and applications

Disruption #1:
The way we work changed



Users demand secure access to any application,
from anywhere, on any device, at anytime

Traditional methods are unable to scale onboarding and segmentation

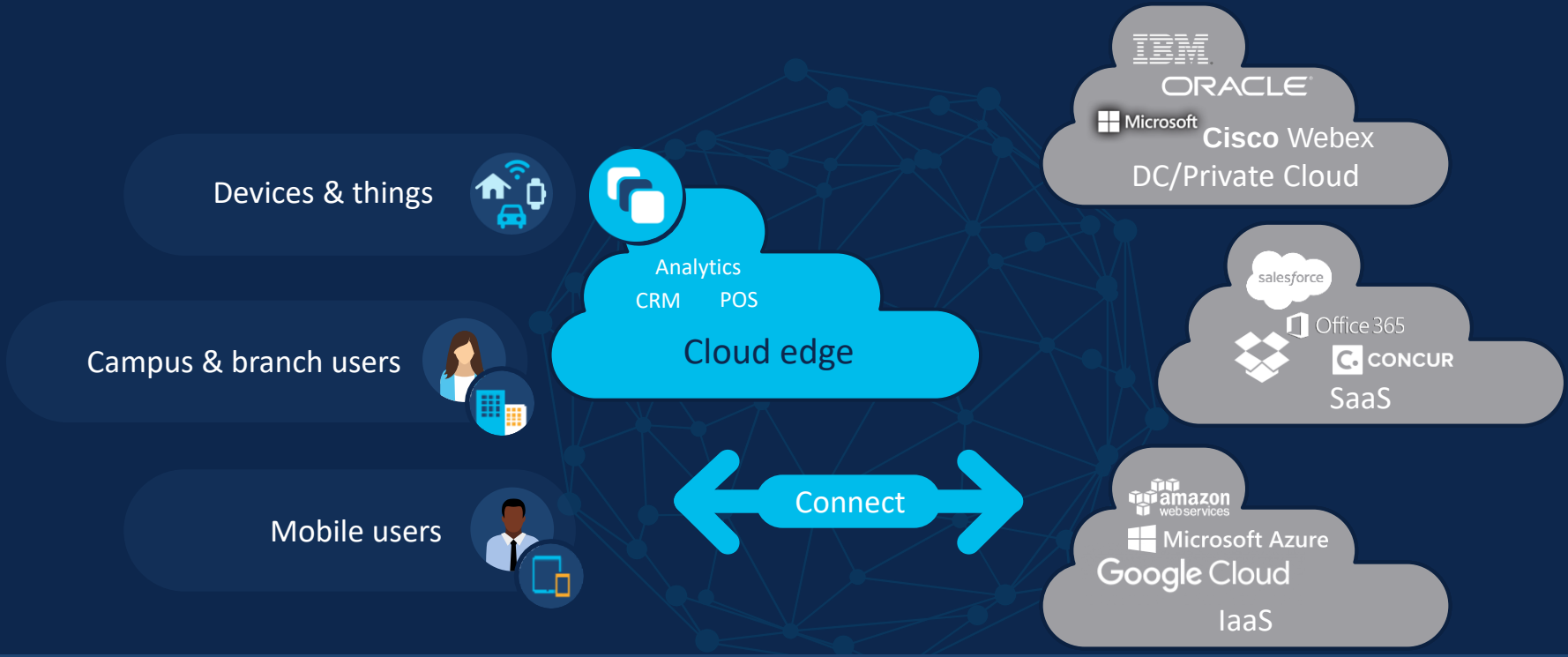


New Challenges

- Identify and group all users and things
- Provide granular access privileges
- Protect users & applications from threats

Disruption #2:

Applications are no longer confined to the data center



Applications and data increasingly are in public and private clouds

The Internet is now the backbone of your business

New challenges

- Best path
- Application experience
- Secure traffic over Internet
- Edge compute models

Network operating expenses are on the rise

3:1

Ratio of OpEx to CapEx on network operations, labor & tools[1]

95%

Network changes performed manually

75%

of OpEx spent on changes and troubleshooting

70%

of policy violations are due to human error

[1]Cisco McKinsey Study

Pace of change exceeds human scale

IT architecture must be reinvented for the realities of this next-generation digital world

It must span across the new and emerging network domains, integrating them in new ways

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Cisco is building a multidomain architecture that securely connects any user, on any device, on any network to any application

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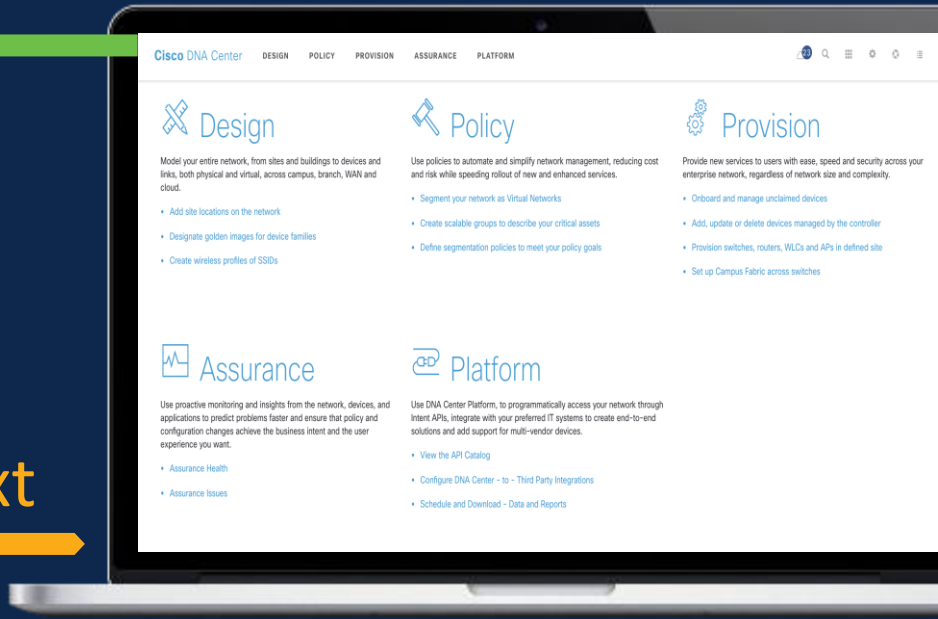
Intent-based networking simplifies operations

Automation | Analytics | Security

Open Platform

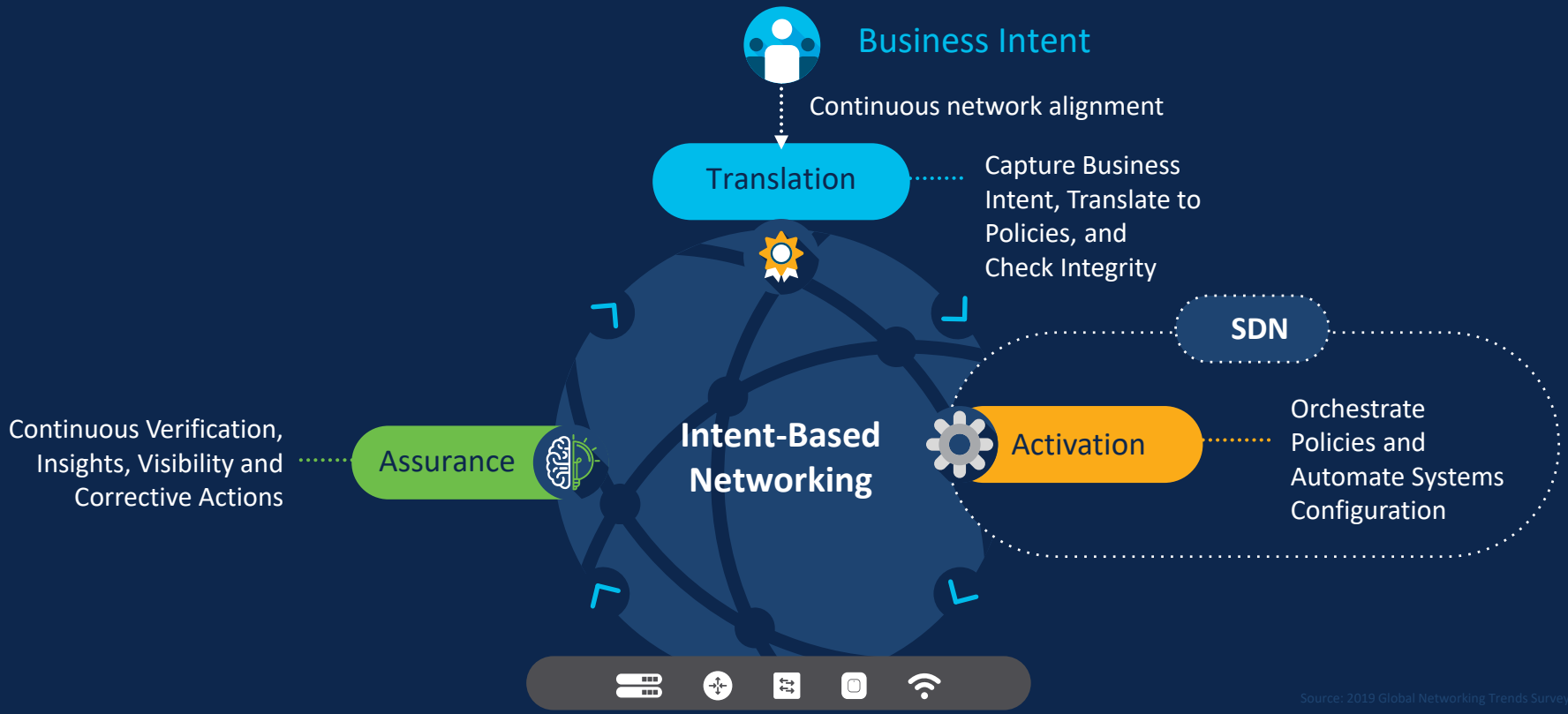
Intent

Context



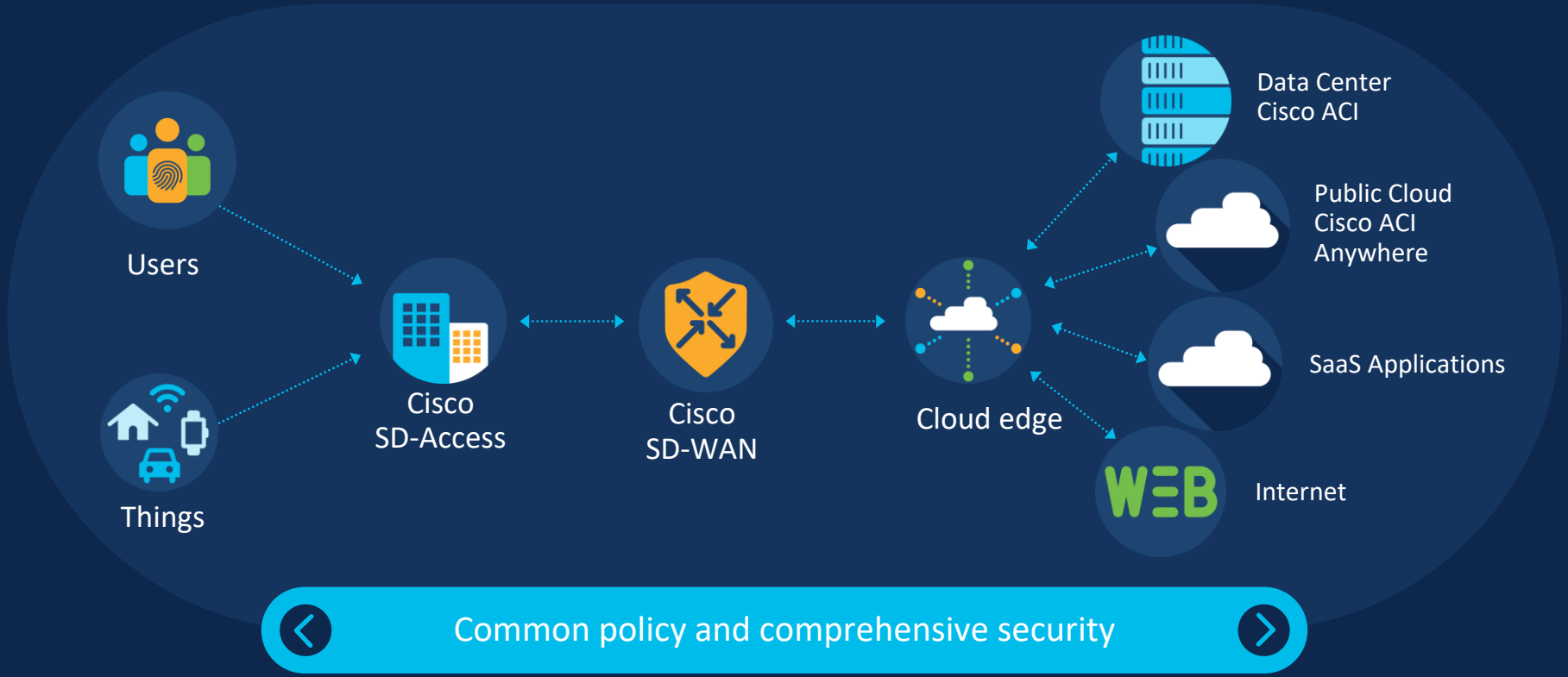
Constantly learning, adapting, and protecting

Intent-based networking extends SDN to meet business demands



Source: 2019 Global Networking Trends Survey; n=2061

Cisco intent-based networking solutions span access to applications



Cisco DNA is intent-based networking for the campus, branch, and SD-WAN

Lets you focus on business innovation rather than the network

Automate for simplicity

67%

provisioning time savings

Define policy and segment network

80%

reduction in IT operational expenses

Defend against security threats

47%

reduced breach impact

Assure performance

90%

reduction in time for issue detection and resolution

Optimize application experience

45%

reduced application latency

dankä villmal
grazie mille
merci beaucoup
grazia fitg
thank you

https://www.cisco.com/go/dna