



Enterprise Networking

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5G

WiFi6



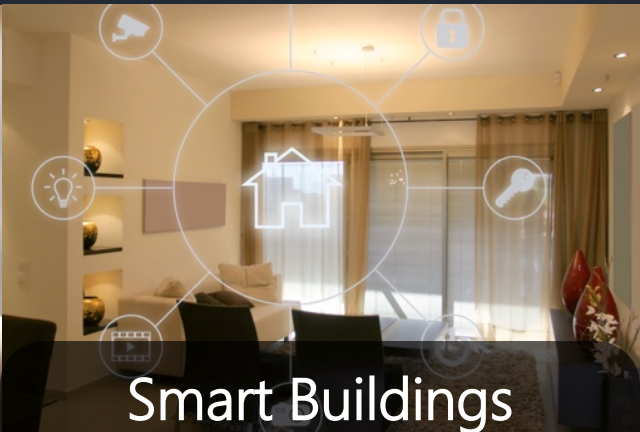
Empower
Mobility



Different Solutions will Require Different Access



Wi-Fi 6 / BLE 5



Wi-Fi 6 / ZigBee / BLE 5



5G / NB-IoT / Wi-Fi 6



5G / LoRaWAN / Wi-Fi 6

Sensors

Devices

Machines

Challenges



Users



Management



Security



Analytics

Wi-Fi 6 Enhancements



1024-QAM (802.11ax)

Increased
Speed

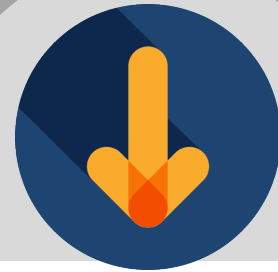


MU-MIMO: Multiple Users

Higher
Density
& Capacity



Improved
Security



OFDMA

Reduced
Latency



Greater
Range



20 MHz

Power
Efficient

Comparing 5G for Enterprise

Wi-Fi6 Continues to be Successful



Unlicensed

Anyone can deploy
anywhere



Cost

Lowest cost
MB per m²



Capacity

High density
deployments and
carrier offload



Clients Support

Wi-Fi is less
expensive for client
device
manufacturers



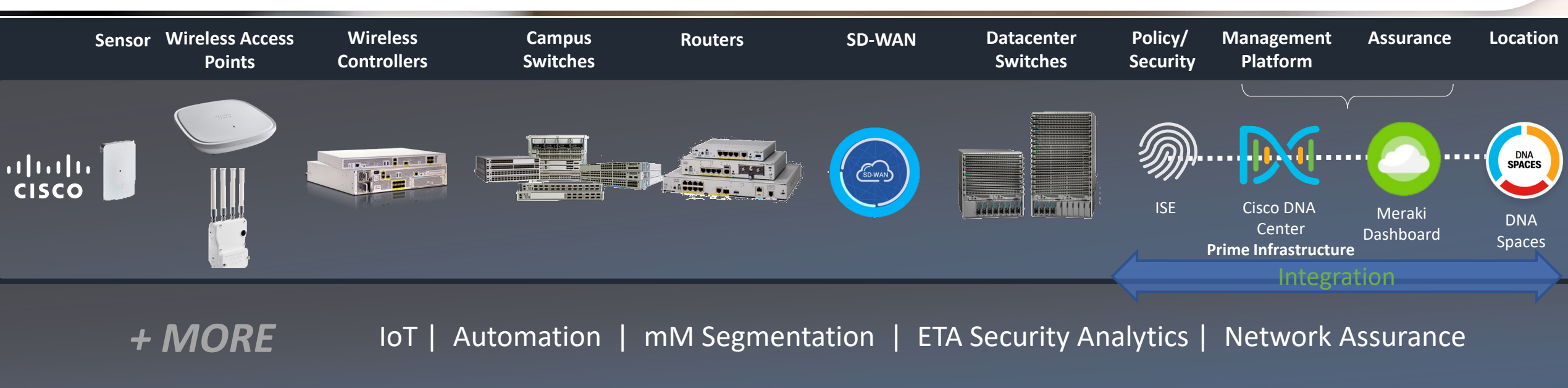
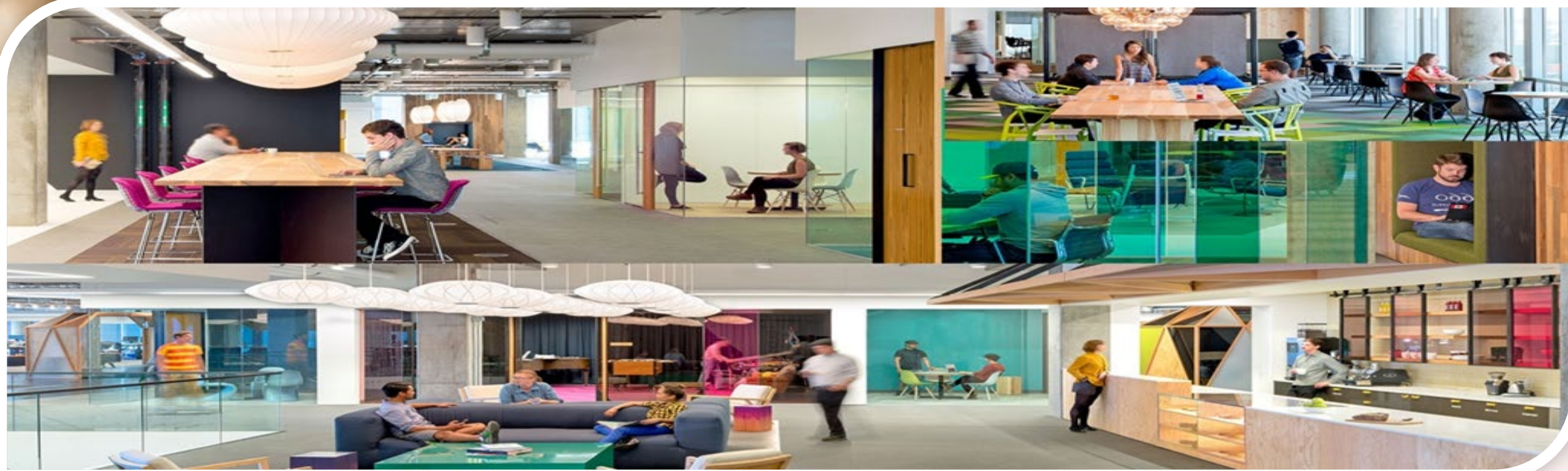
Ownership and Control

Maintain network
control and own
analytics data



Backwards Compatibility

5G networks only
support 5G clients



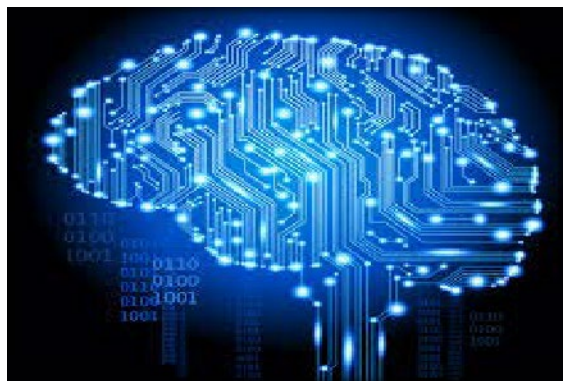
IBN-WiFi6 Case Study: Business Values

Security



- Enable agile network segmentation
- Quarantine end points causing security threats
- Mitigate the spread of malware attacks across the network

Experience



- High-speed access to DC and Internet resources
- Reliable platform for demanding Cloud-based or on premise applications

Savings



- Cost saving when connecting new IOT devices
- Manpower saving to support many more network devices

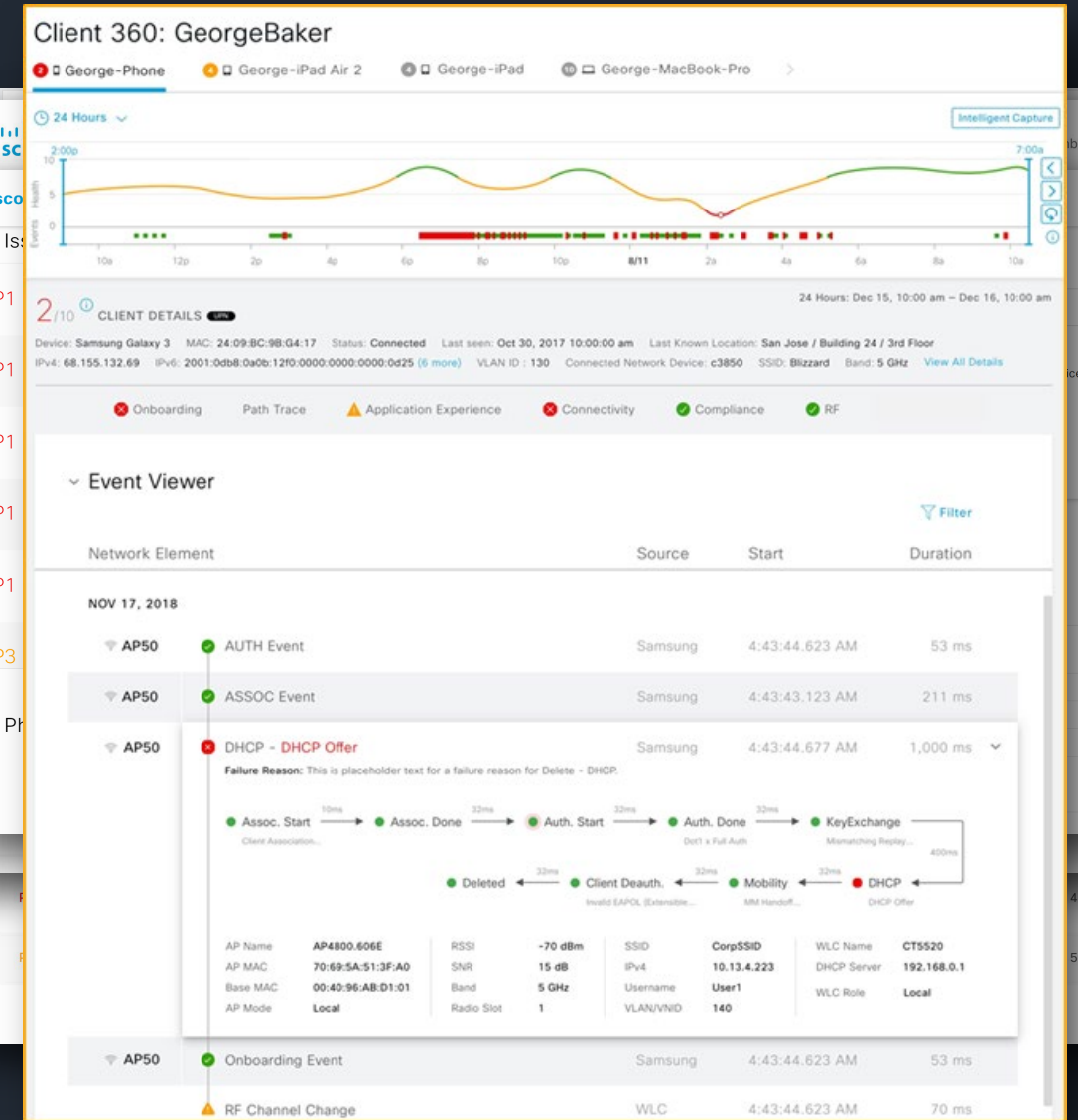
Efficiency



- Faster provisioning time for wired and wireless points request
- Automate network provisioning to eliminate manual efforts and enhance operational efficiency

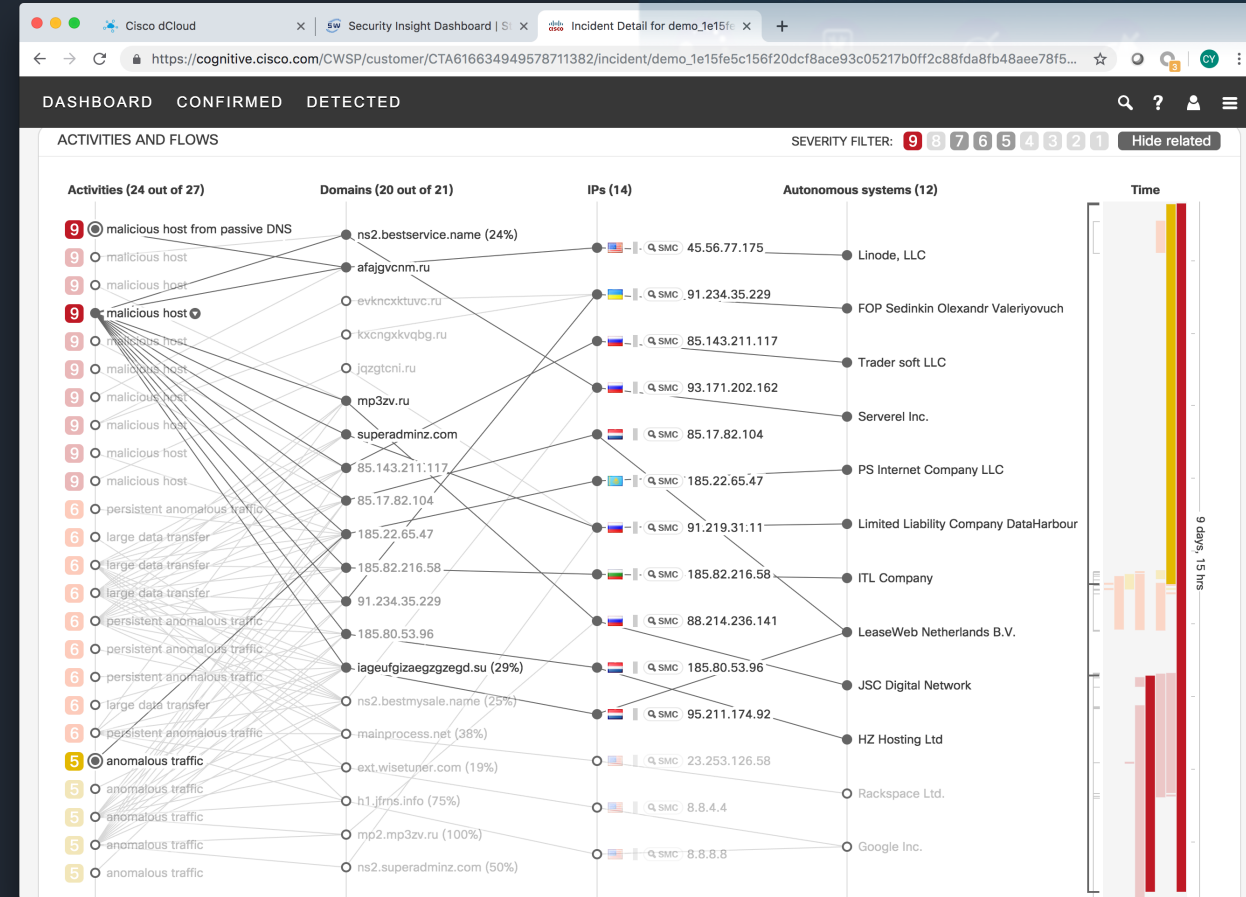
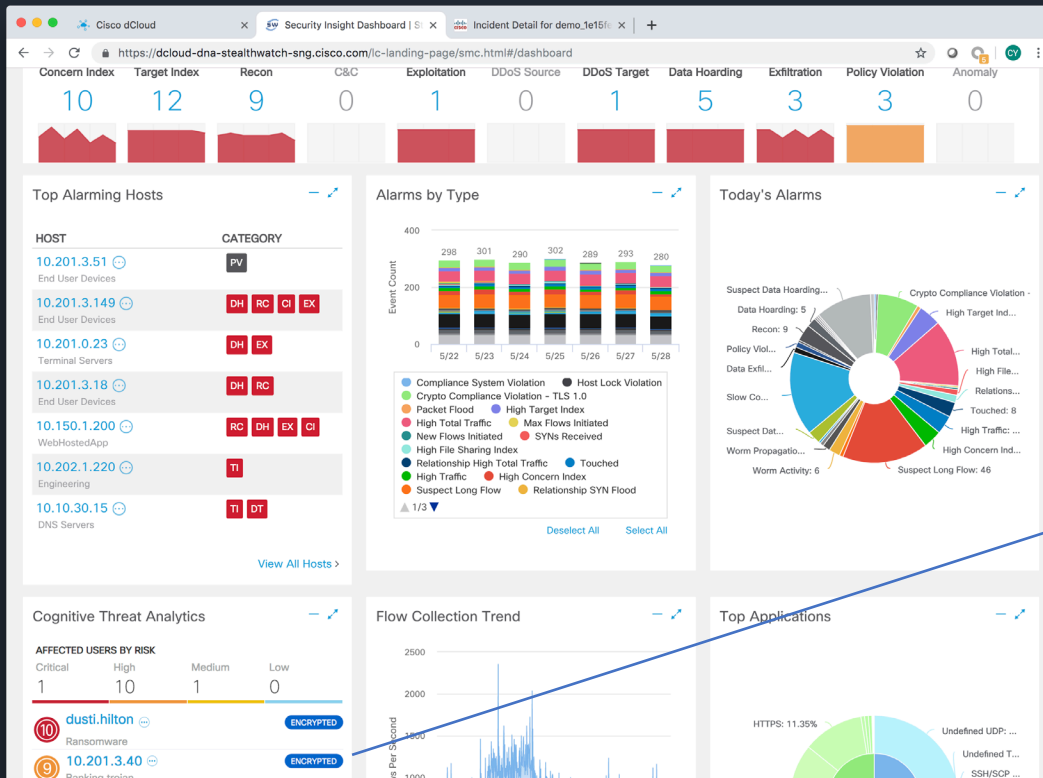
Day-2 Operation Assurance Highlights

- Wireless and Wired Sensor
- Network Health Scores
- Executive Summary Report
- Wired Client Event Viewer
- Auto Resolve Issues
- Apple & Samsung Client Analytics



Network as Sensor

ETA Security Analytics

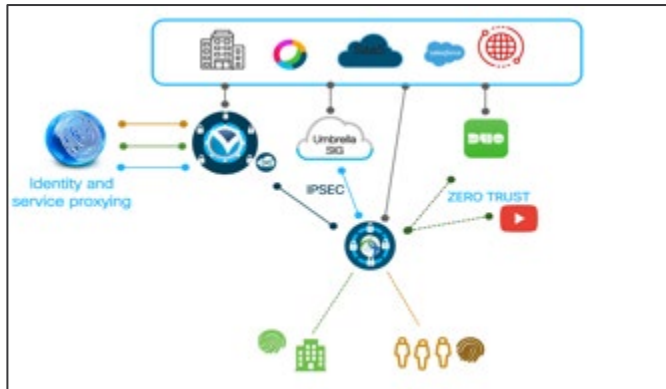


5G Emerging Use Cases



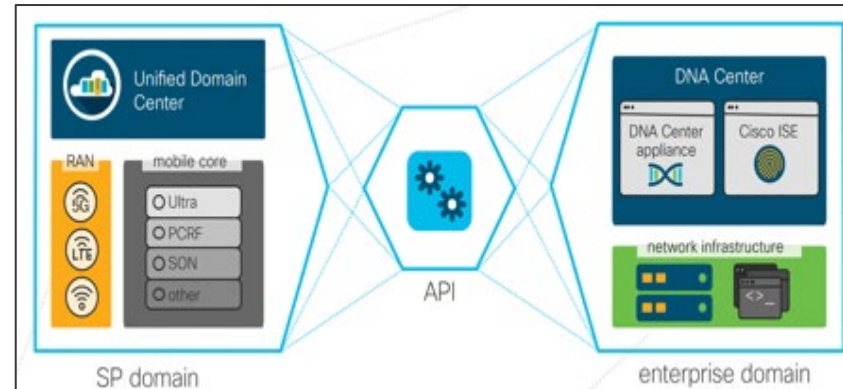
5G Enterprise Use Cases for CY21

Mobile SD-WAN



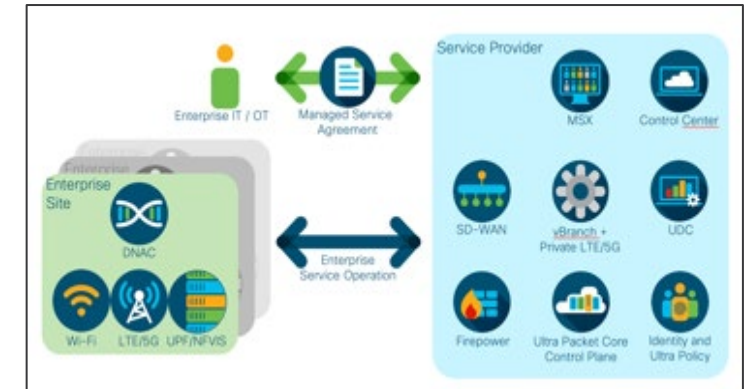
Consistent Policy Model

Unified Domain Center



Correlated Policy Carrier to Enterprise

Private LTE & 5G



Managed Wireless Assets

Wi-Fi6 LTE/5G OpenRoaming



Ubiquitous Coverage

OpenRoaming



Single Sign-On

5G CPE



Fixed Wireless Access

Cisco IBN DNA Software Values

Shift IT time to business focus

Benefits of Cisco® SD-Access

67%

Savings in network provisioning time

80%

Less time to issue resolution

48%

Reduction in impact of security breach

61%

Lower operating expense

*Source: Internal TCO analysis with large enterprise customer (actual results may vary)



