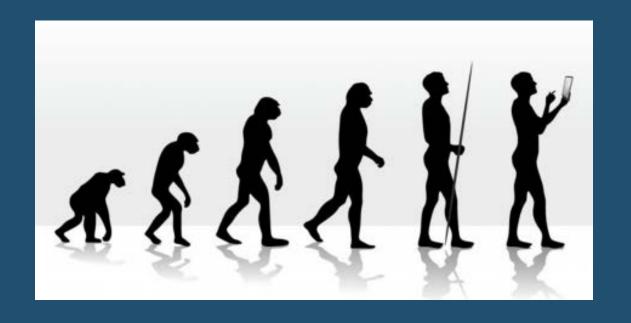


The Network.
Intuitive.

Cisco's Next Generation Enterprise Architecture



Gabriel Slomovitz
Systems Engineer

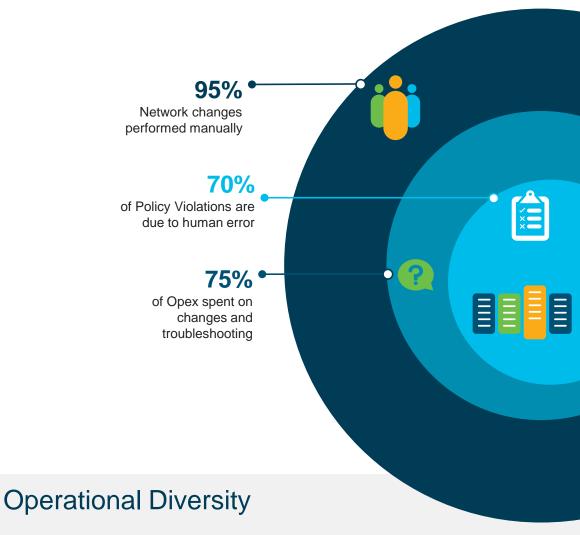


Quienes sobreviven no son los más fuertes ni los más inteligentes, sino quienes se adaptan mejor.



# Cost





# Complexity



### **Mobile-Cloud**

Phones, tablets, wearables

## Digital BMS \_

Badging, lighting, HVAC, cameras

### IoT

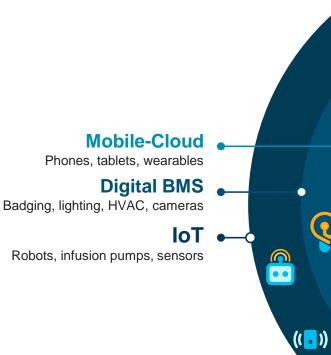
Robots, infusion pumps, sensors



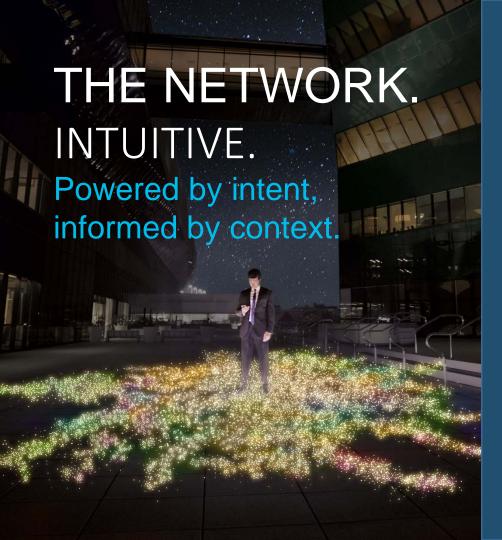
**Endpoint Diversity** 

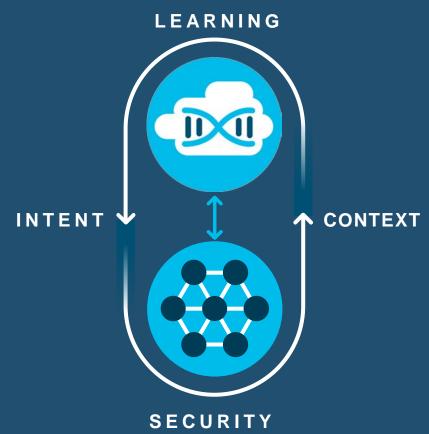
# Risk

\$5.3B
Stolen in Ransomware
6 months to detect breach<sup>2</sup>



**Increased Threat Surface** 

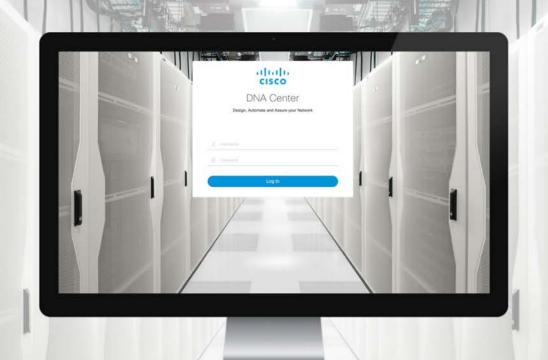








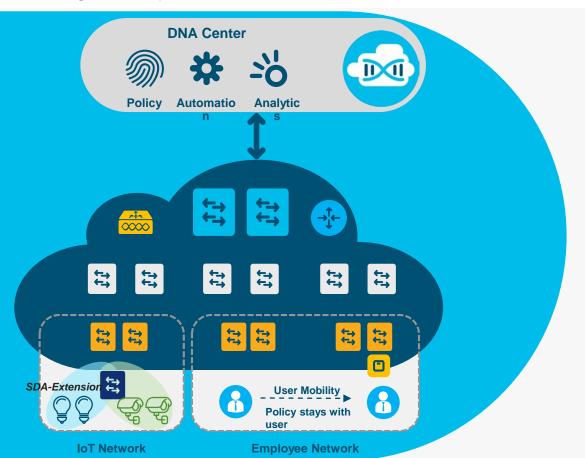
Correlation of *multiple events* giving **deeper insights** with *suggested actions* for **problem resolution** 



What is SD-Access?

# **Software-Defined Access**

Networking at the speed of Software!





Decoupled security policy definition from VLAN and IP Address



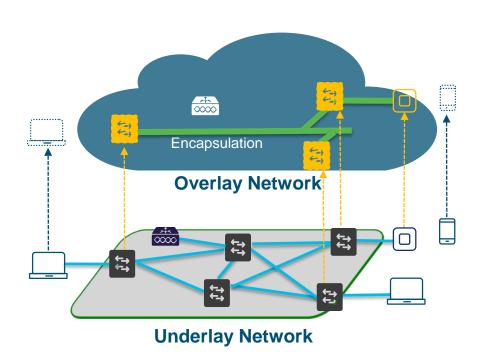
Single Fabric for Wired & Wireless with Workflow-based Automation



Analytics and insights into user and application behavior

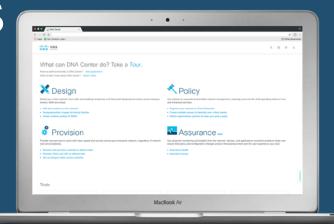
# Software-Defined Access Network Fabric – Normalized Transport for Wired & Wireless





- Dynamic Logical Topologies with Overlays (Stateless Tunnels)
- Traffic for Wired and Wireless is carried inside Overlays
- Policy Context is carried inline with Traffic

# SD-Access





Automated Network Fabric

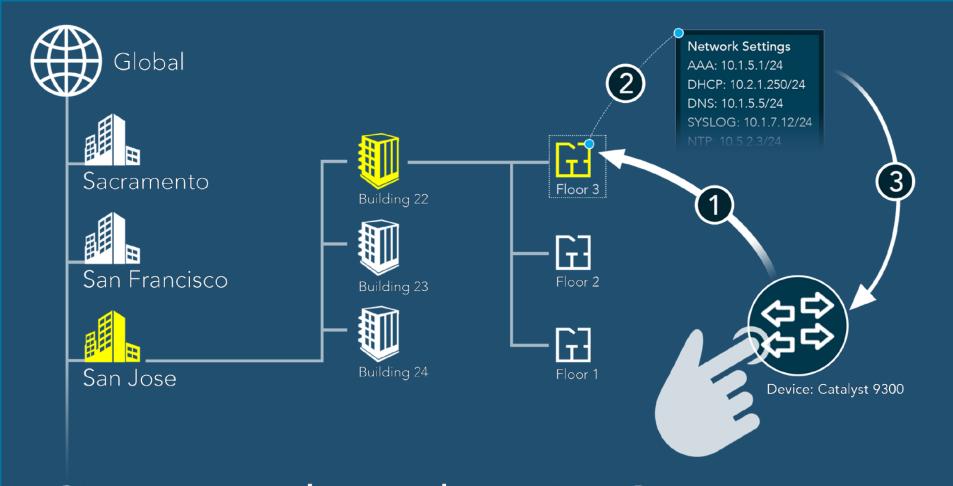


Policy & Segmentation



Insights & Telemetry



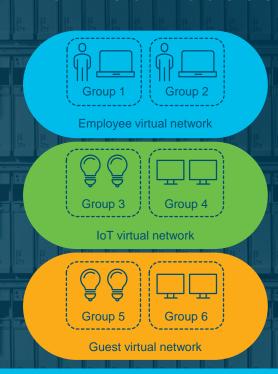


Site Hierarchy and Device Settings



# Secure segmentation and onboarding: Cisco Software-Defined Access



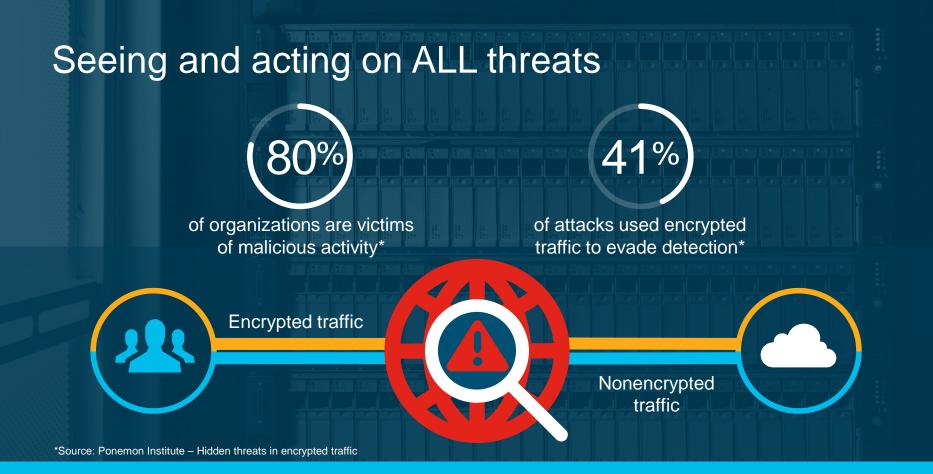


# IT simplicity

- No VLAN, ACLs, or IP address management required
- Single network fabric
- Define one consistent policy

# Security

- Simplified microsegmentation
- Policy enforcement



How do you provide security while maintaining privacy?

# Machine learning identifies malware

# **Encrypted Traffic Analytics**



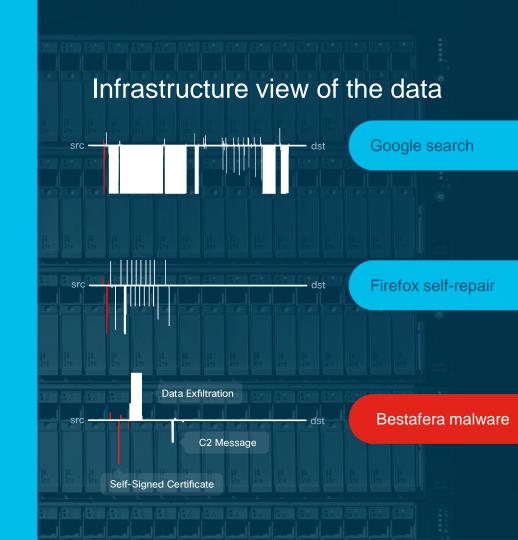
Malware in encrypted traffic



Security AND privacy



Detection: 99.99% accuracy



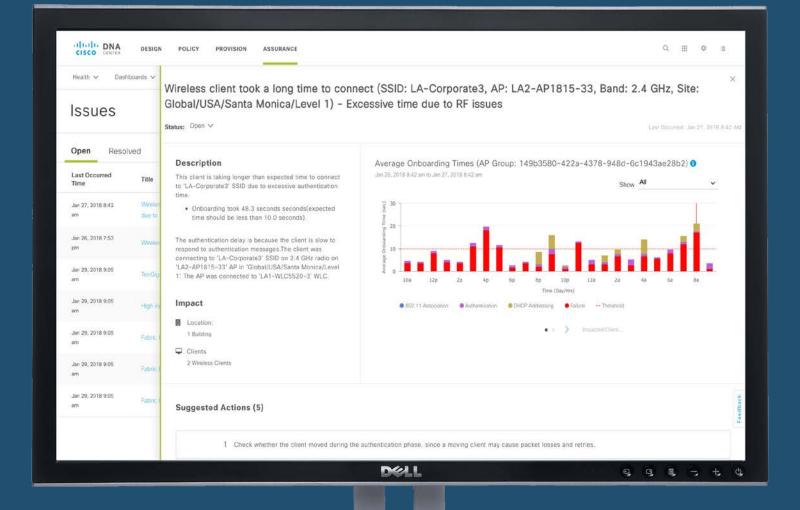
# Client Onboarding Times

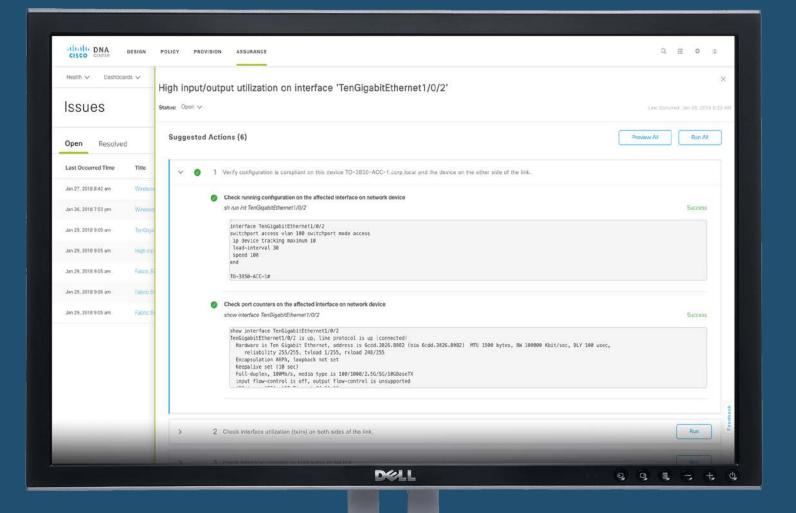
# **DNA Assurance**

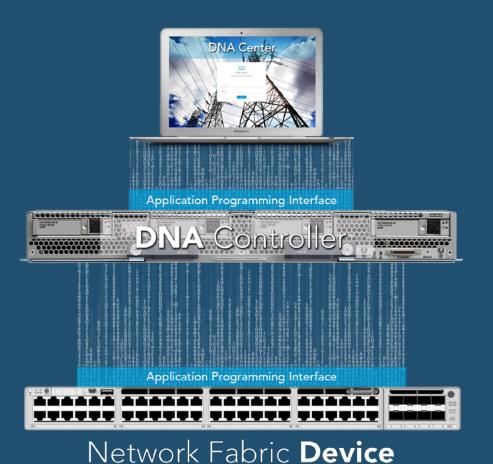
Components

Network, Client & Applications

- Health
- **360**
- Issues
- Suggested Actions







Oh,.. one more IMPORTANT point

# API's

Open Application
Programming Interfaces are
available to be consumed by
our customers and
partners...

