



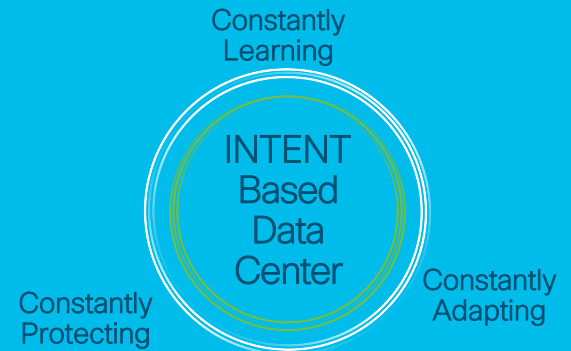
Data Center Innovation Day





Transform Your Network Infrastructure for Multi-Cloud

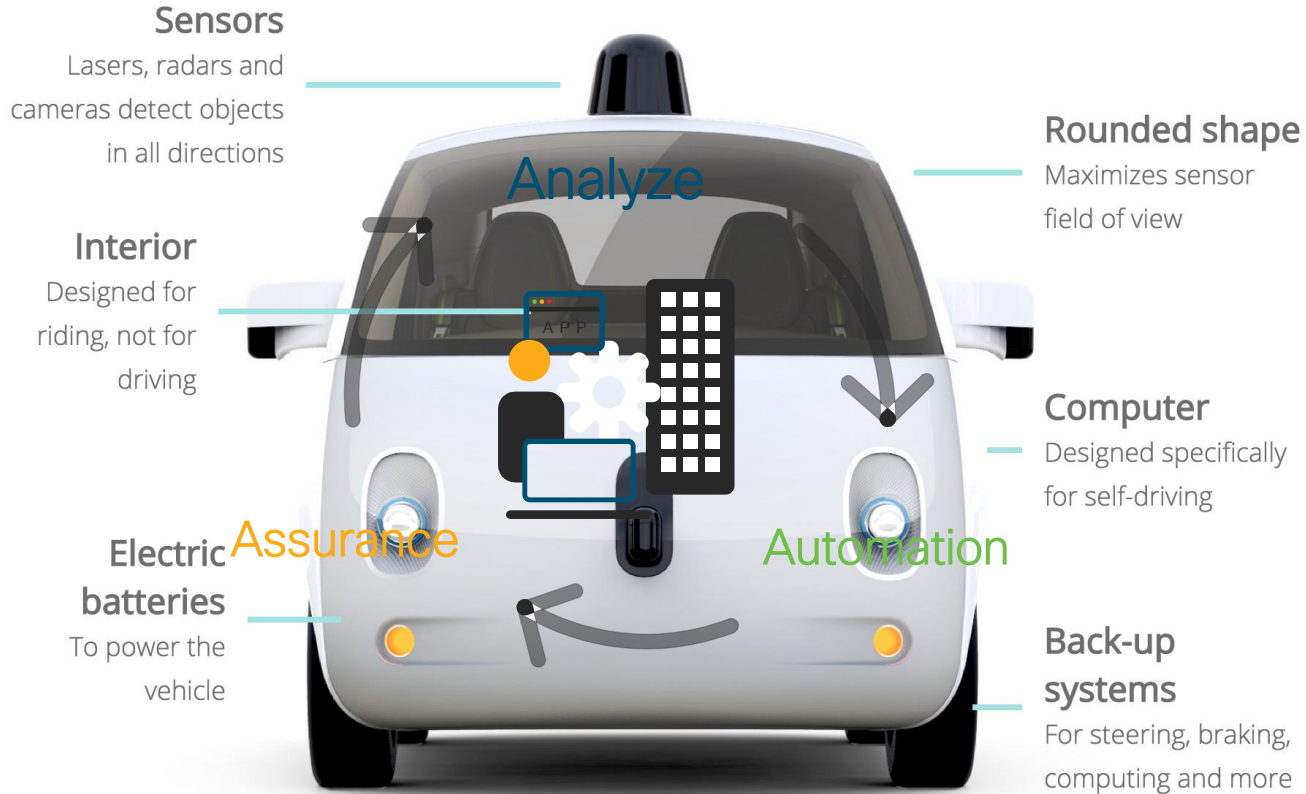
Jarut Nakaramaleerat
DC Sales Manager, Cisco Systems
Oct 2018



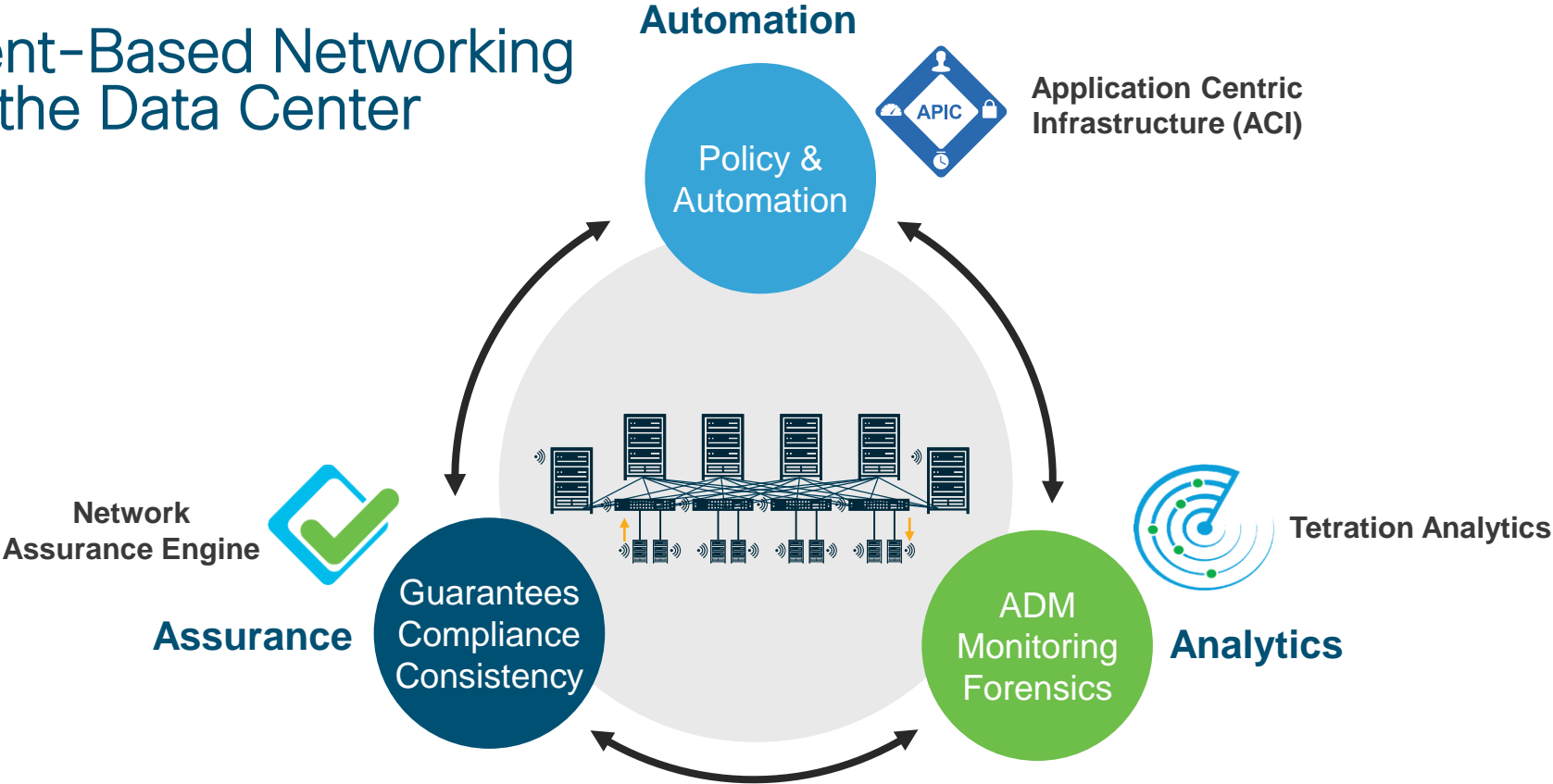


Speed & Agility

The Autonomous Network



Intent-Based Networking for the Data Center

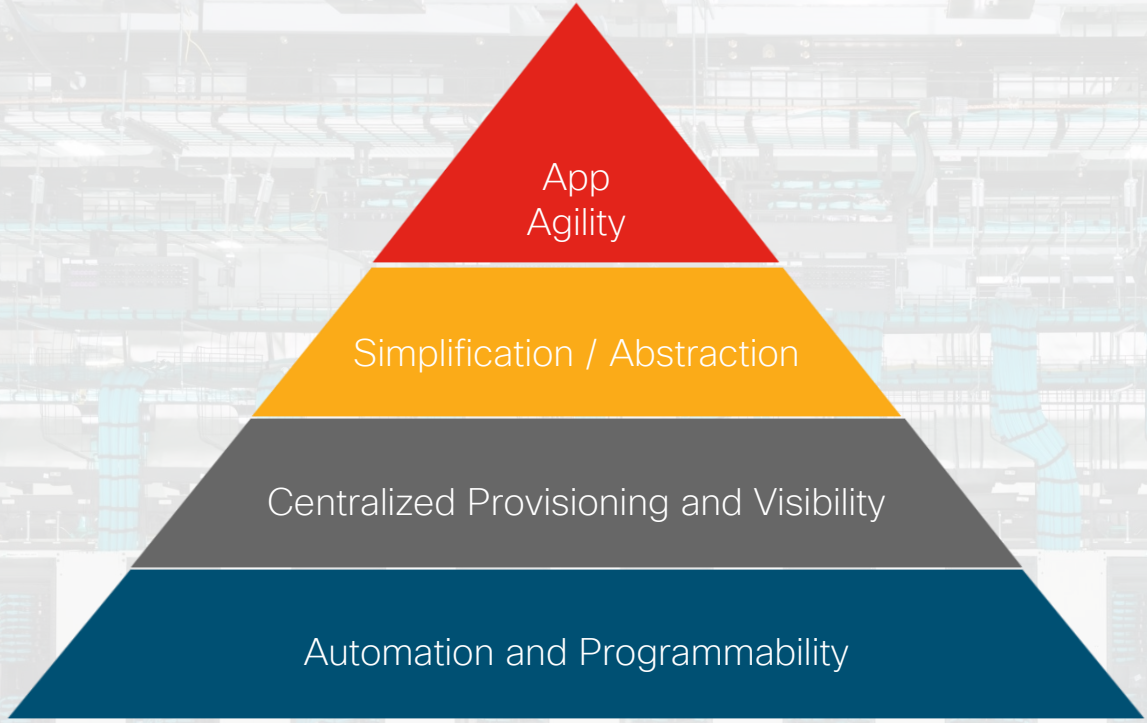


With Cisco ACI,
you can build a
better network...

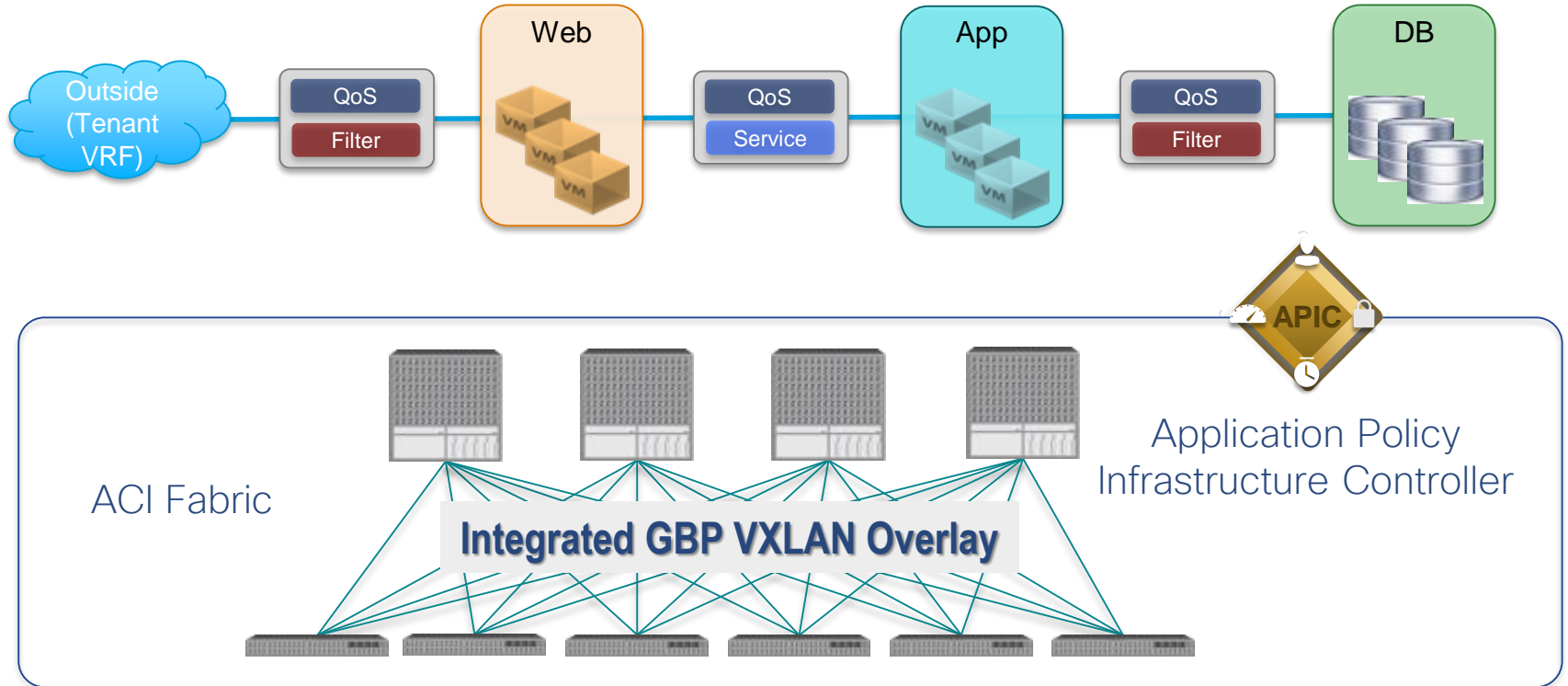
ANYWHERE.

5,000+
customers globally





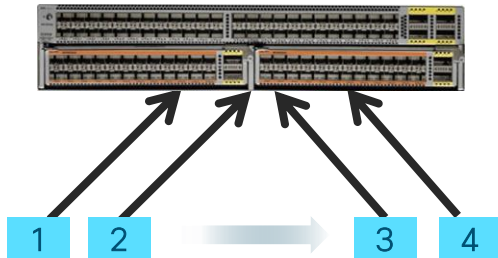
Application Centric Infrastructure (ACI)



ACI Whitelist Policy Supports “Zero Trust” Model

TRUST BASED ON LOCATION

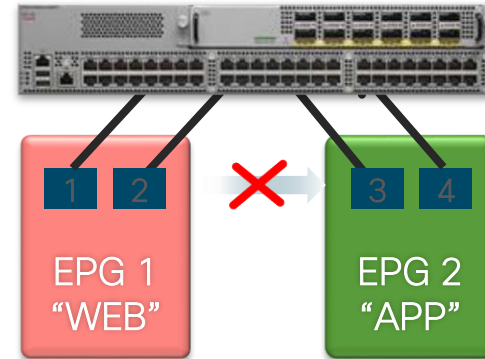
(Traditional DC Switch)



Servers 2 and 3 can communicate unless **blacklisted**

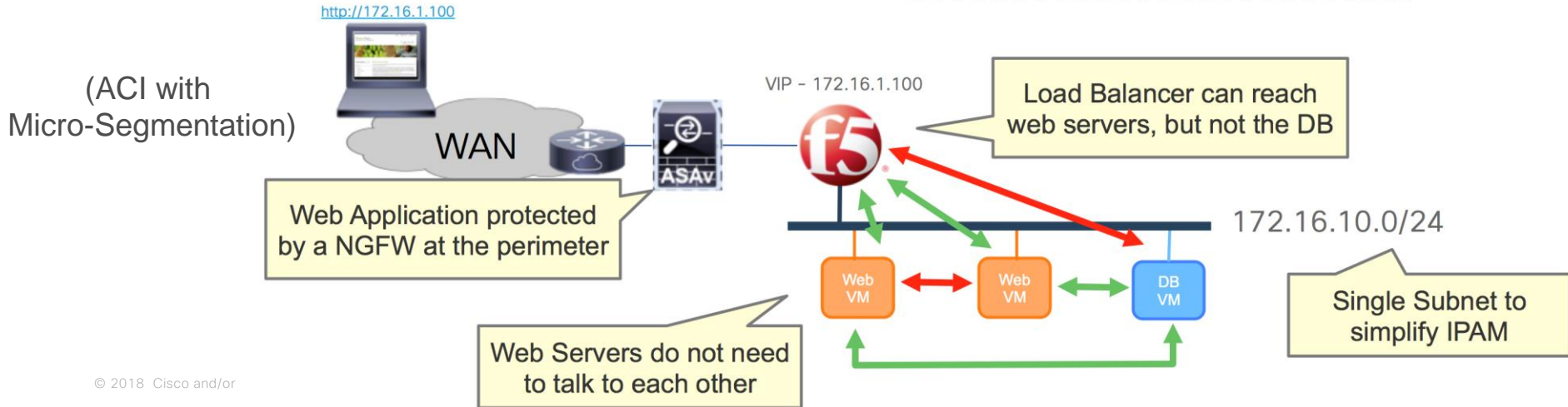
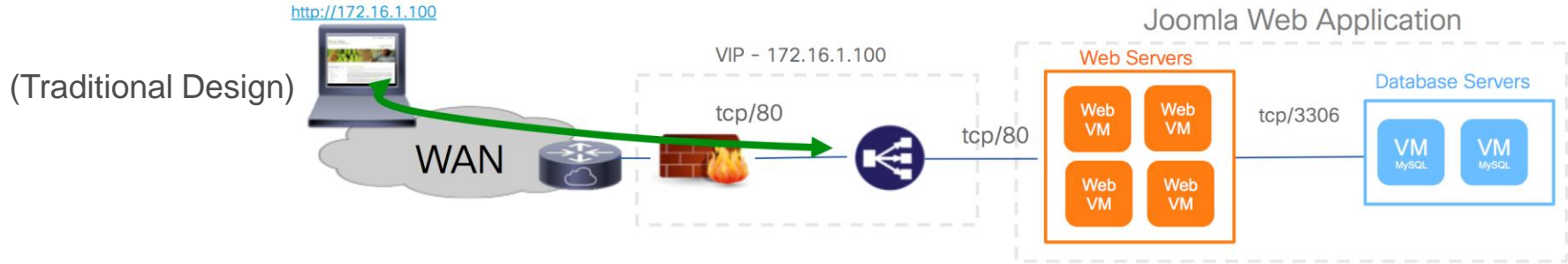
ZERO TRUST ARCHITECTURE

(Nexus 9K with ACI)



No communication allowed between Servers 2 and 3 unless there is a **whitelist** policy

Micro-Segmentation



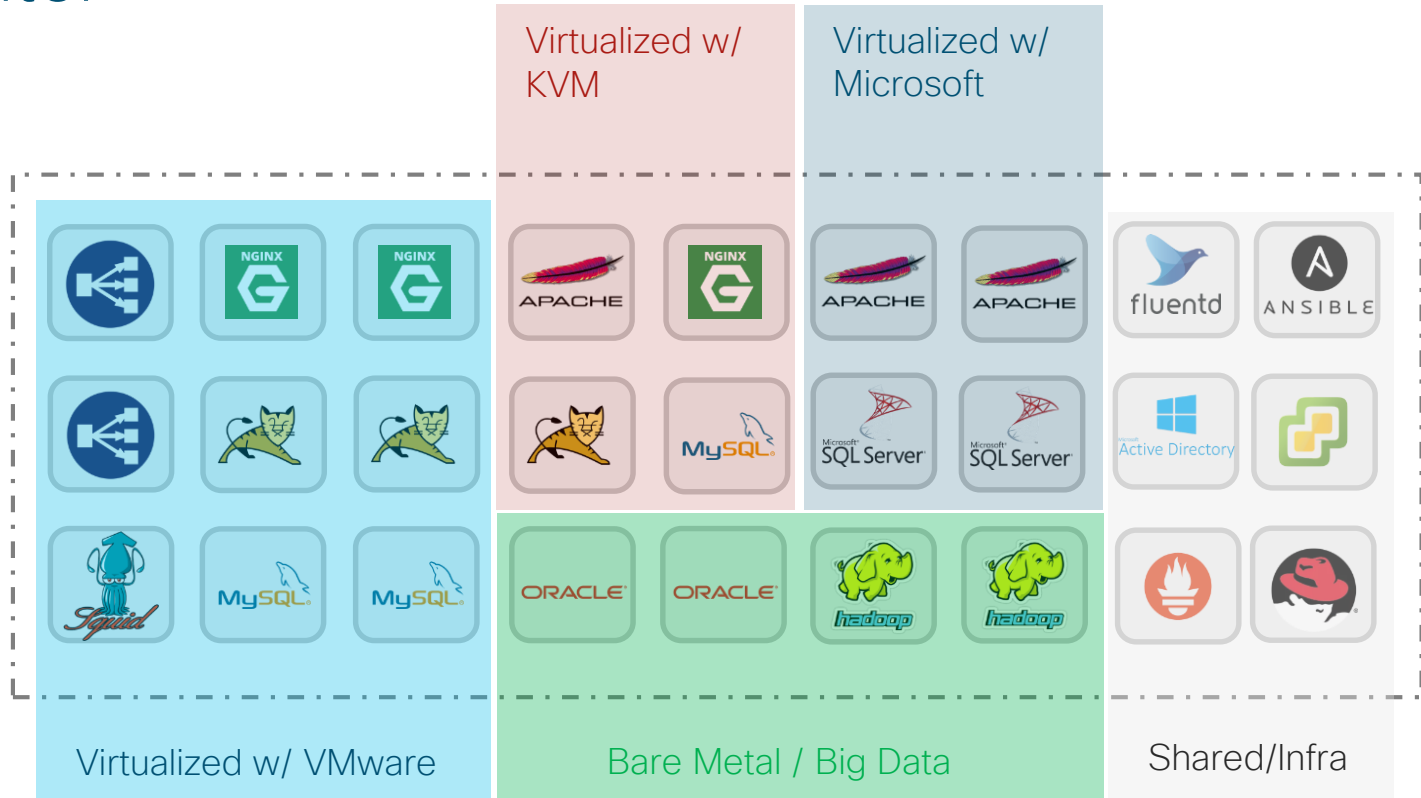
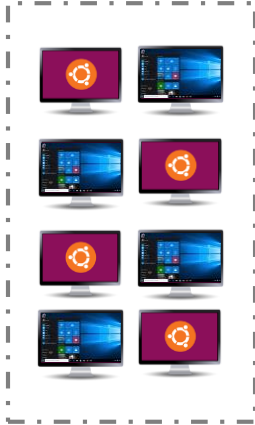
Why Micro Segmentation?

- Perimeter security is not enough: once breached, lateral movement can allow attackers to compromise more assets
- **Improve the security posture** inside the Data Center
- **Minimize segment size** and provide smallest exposure to lateral movement

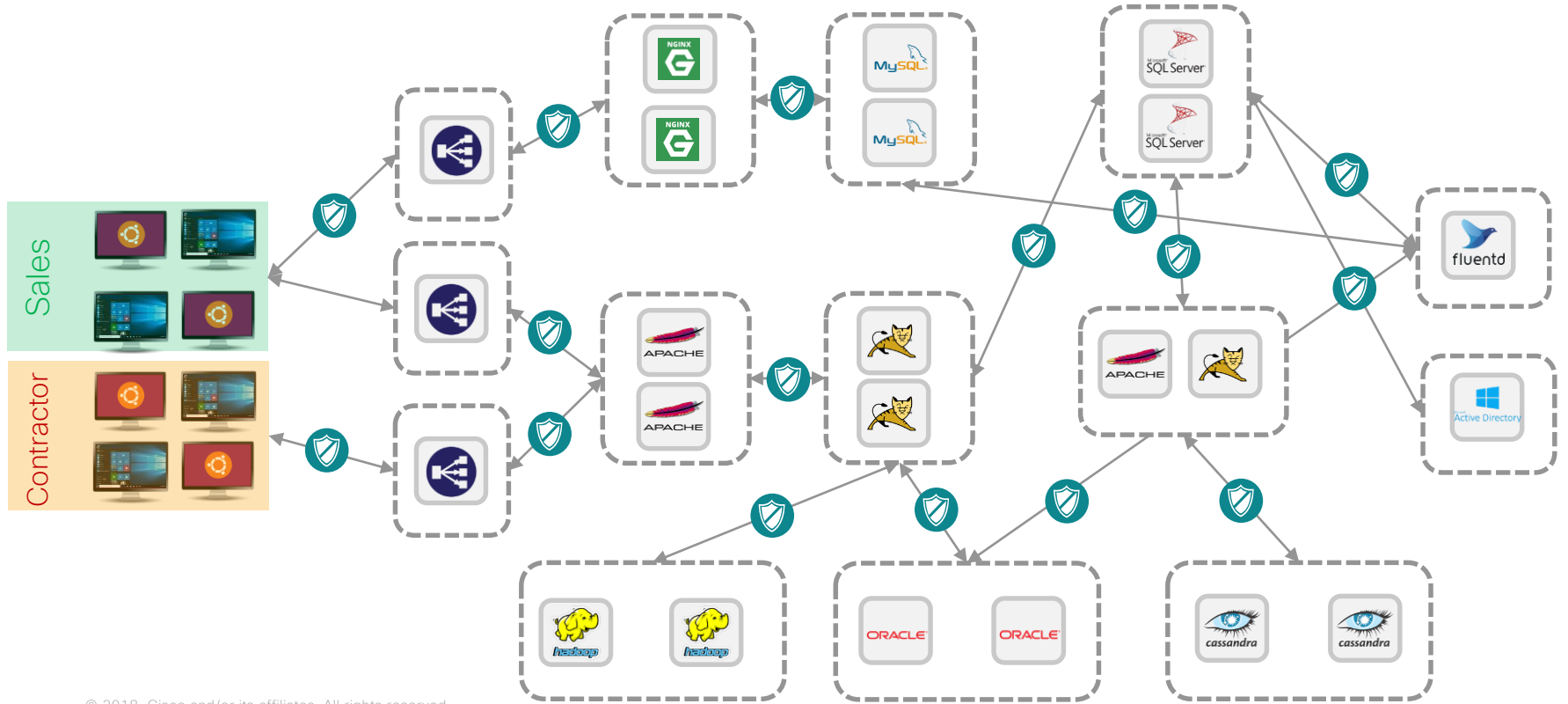


Micro Segmenting in an heterogeneous Data Center

Campus and Branch Users

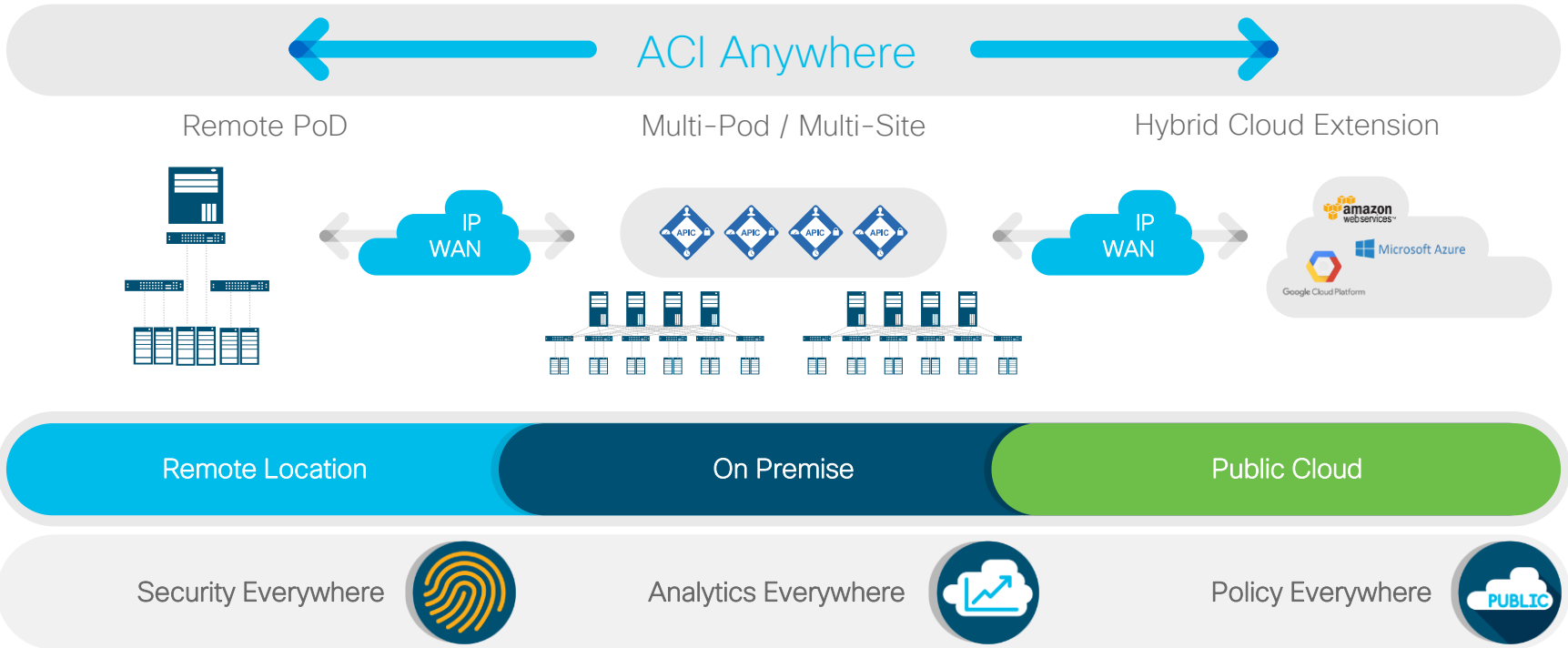


Micro Segmenting requires granularly grouping endpoints, and defining and enforcing policy between them



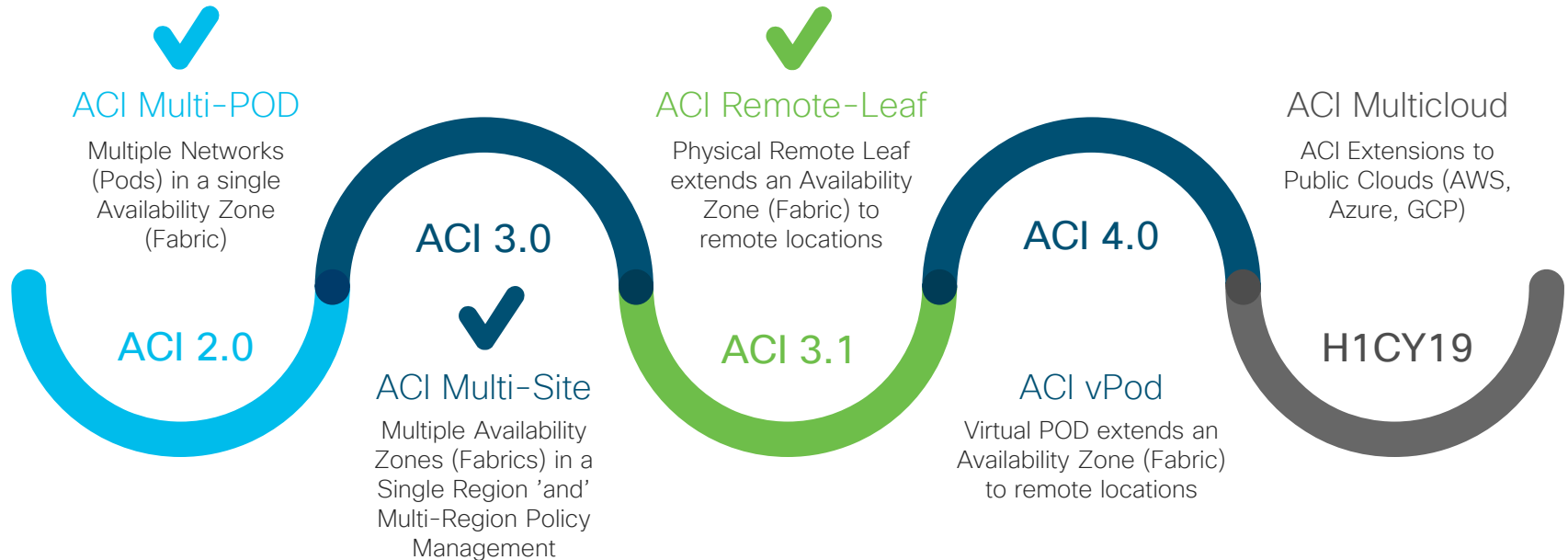
ACI with ACI Anywhere

Any Workload, Any Location, Any Cloud

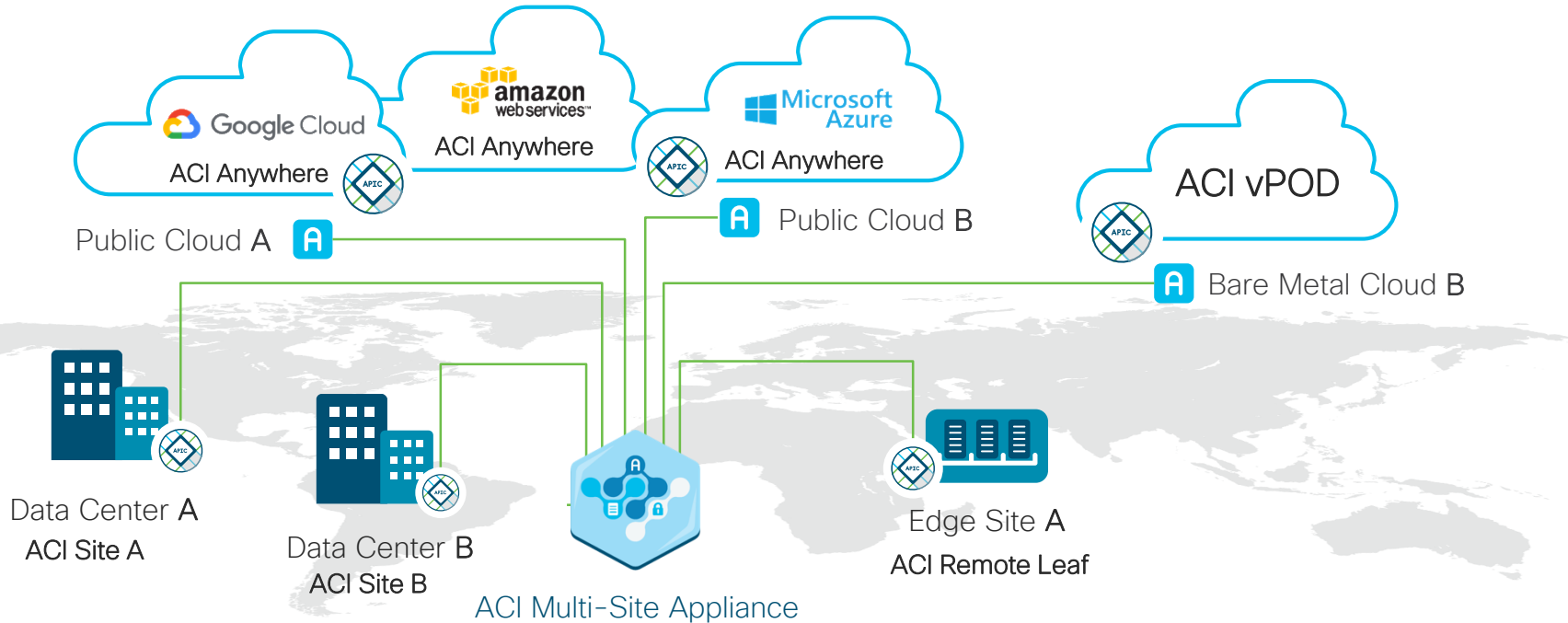


ACI anywhere – Single vision, 5 execution pillars

Security, analytics and policy everywhere



Network policy that goes where you go



Consistent Network and Policy across clouds



Seamless Workload Migration



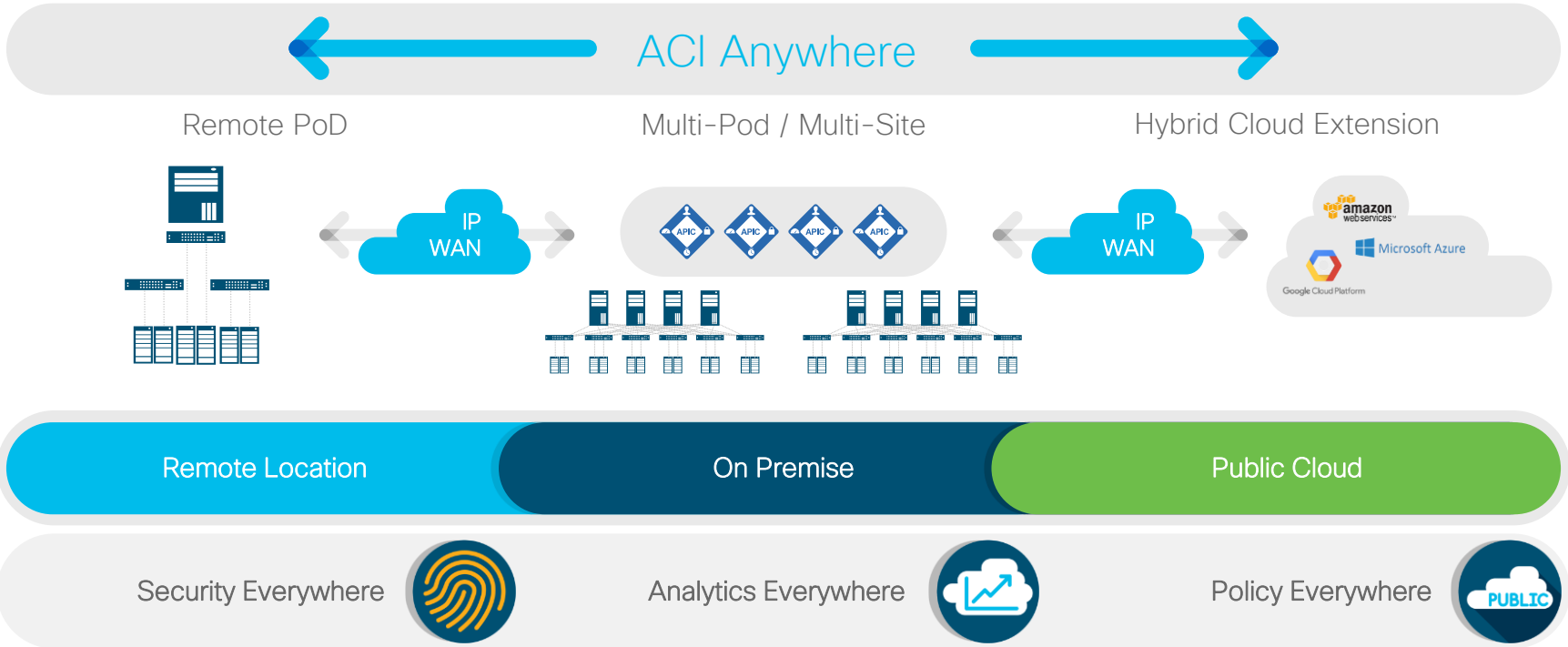
Single Point of Orchestration



Secure Automated Connectivity

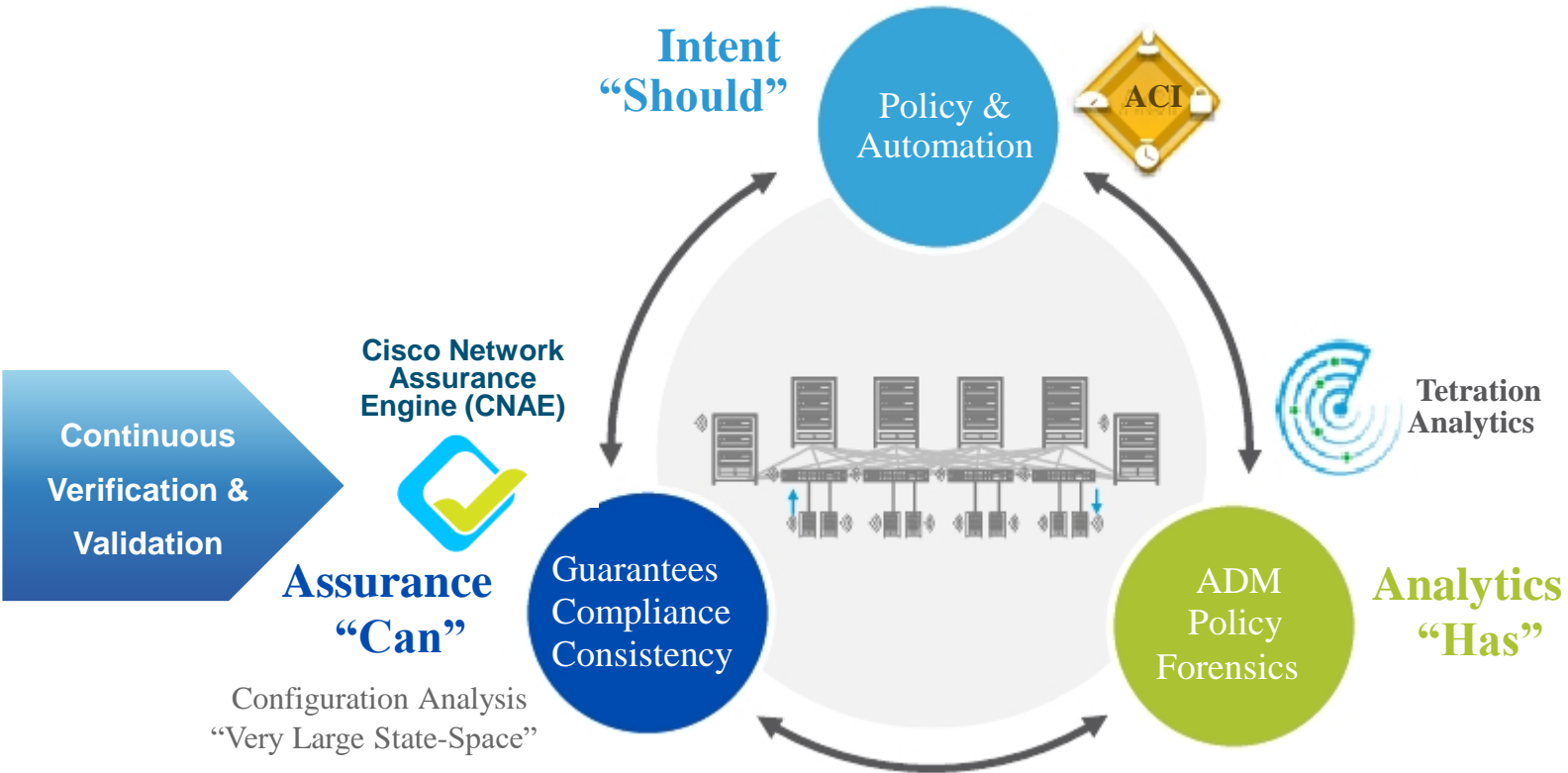
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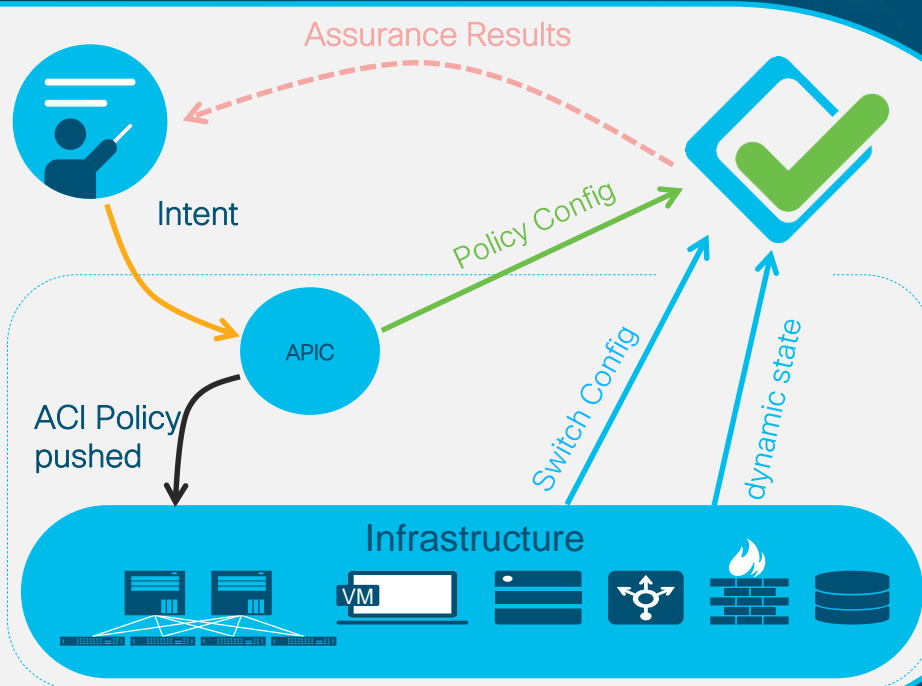
Demos

Intent-Based Network for Data Center



What NAE Does & How

Taking the Guesswork out of Datacenter Networking



1

How do I have confidence in my changes?

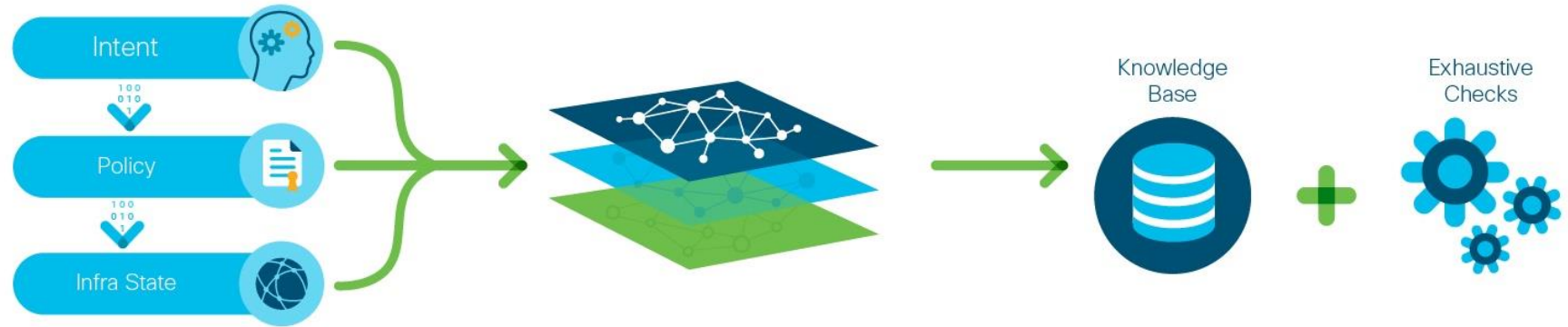
2

How do I understand the state of my entire dynamic infrastructure?

3

How do I rapidly analyze the network to correlate issues?

Cisco Network Assurance Engine



Data Collection

Captures all non-packet data: intent, policy, state across data center network

Comprehensive Network Modeling

Mathematically accurate models spanning underlay, overlay and virtualization layers

Intelligent Analysis

5000+ domain knowledge-based error scenarios built-in, codified remediation steps



Cisco Network
Assurance Engine

What are the Benefits?



Predict the impact of
changes



Proactively verify network-
wide behavior

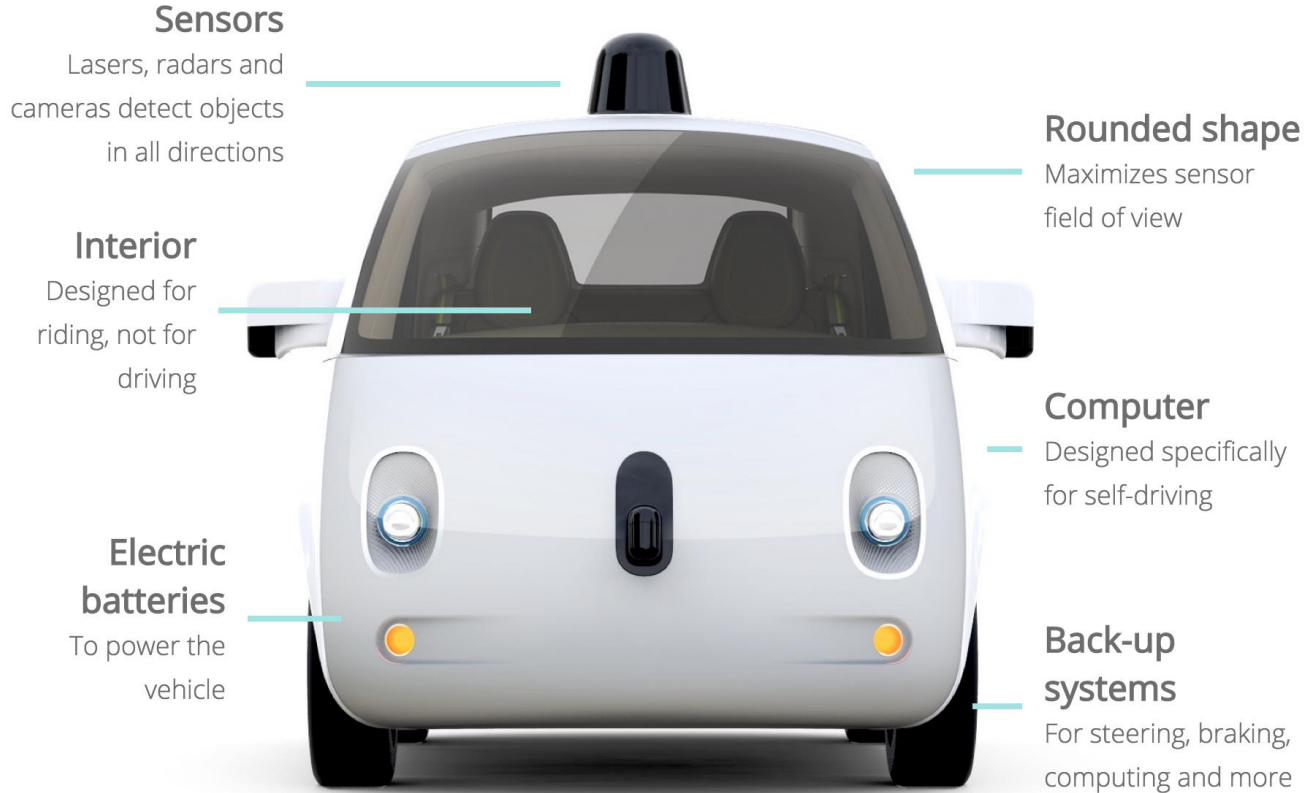


Assure network security
policy and compliance

Demos

What's in
it for me?

The Autonomous Vehicle



Intent-Based Networking for the Data Center and the Cloud

