



Cisco Intent-Based Data Center Solution



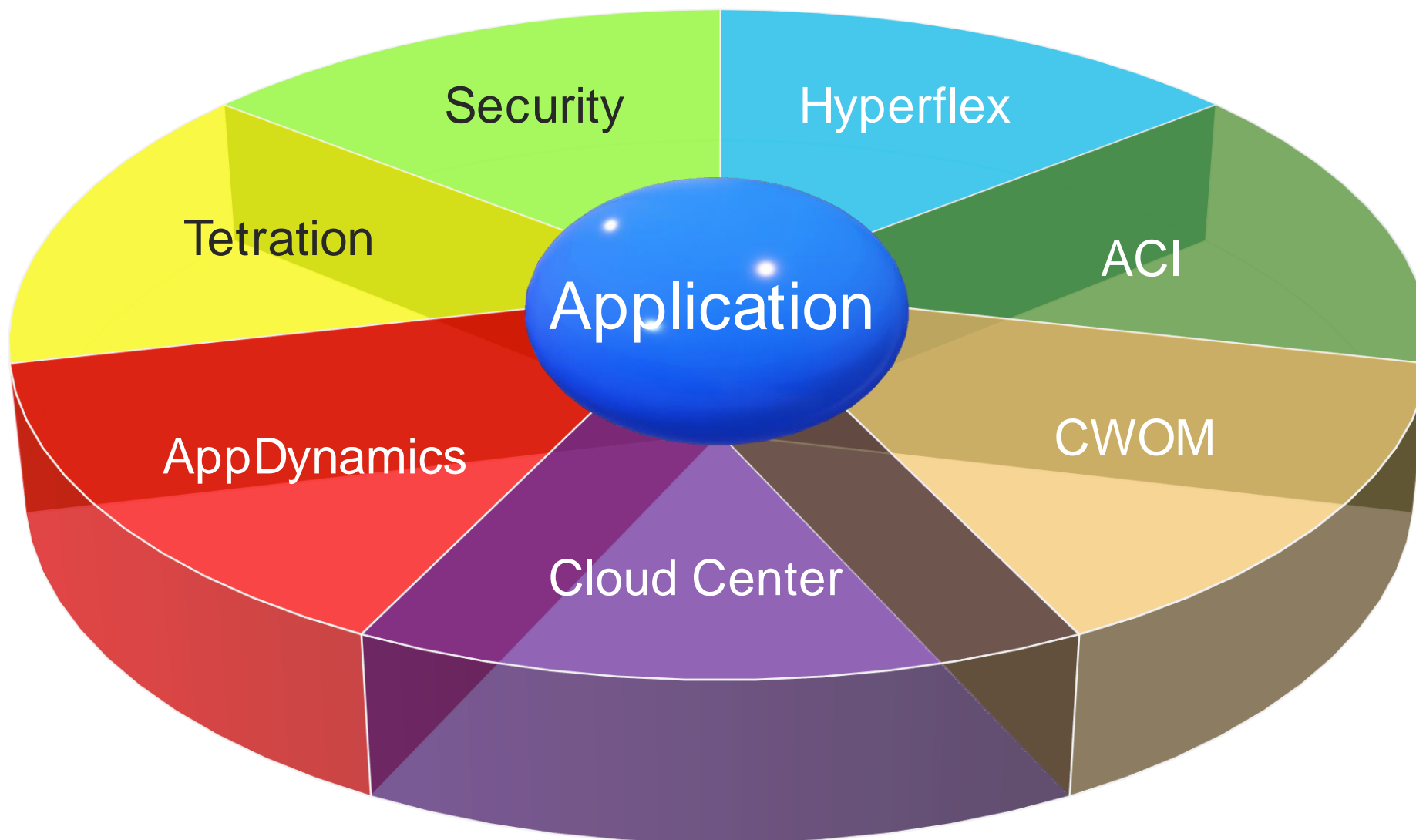


App is the new business

Developer is the new Customer

Multicloud is the new Data Center

Cisco DC Solution





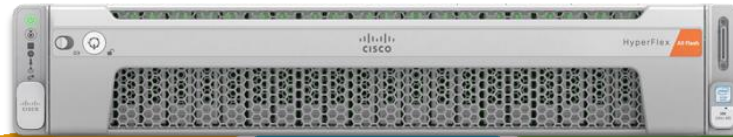
Cisco HyperFlex Anywhere

What is HyperFlex?

Engineered and Optimized HCI

Performance and Scalability to Power

Any App, Any Cloud, Anywhere



HX Data Platform

- Purpose Built for HCI
- Fast and Flexible
- Enterprise Grade Storage

Cloud Platform

- Cisco Intersight
- Cisco CloudCenter
- Cisco Workload Optimization Mgr.

UCS Foundations

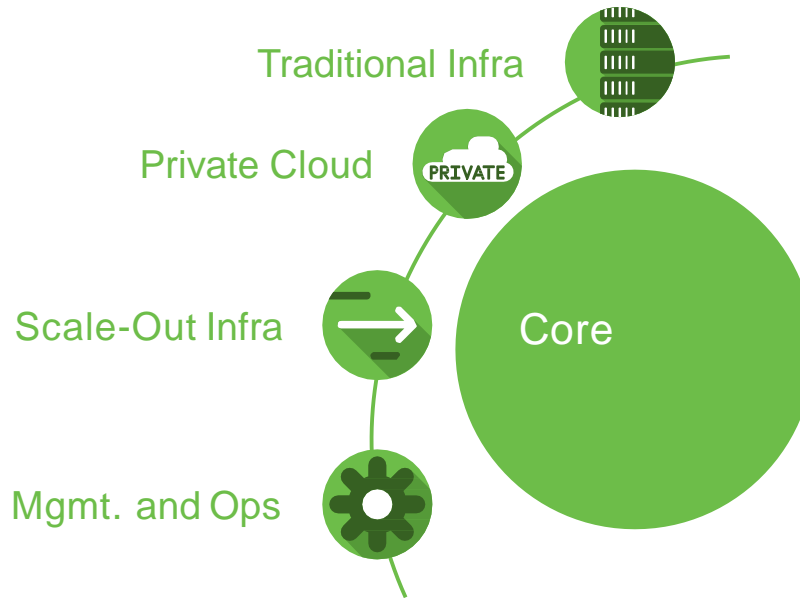
- Software Defined Compute
- Fabric Centric
- Intent-Based

What does the future look like?

#1 Initiative Is to Reduce Operations and Capital in the Core

“Over the Last Two Years, IT Organizations Spent 70% on “Run the Business” IT Spending, up from 67% in 2013 to 2014, and 65% in 2012”

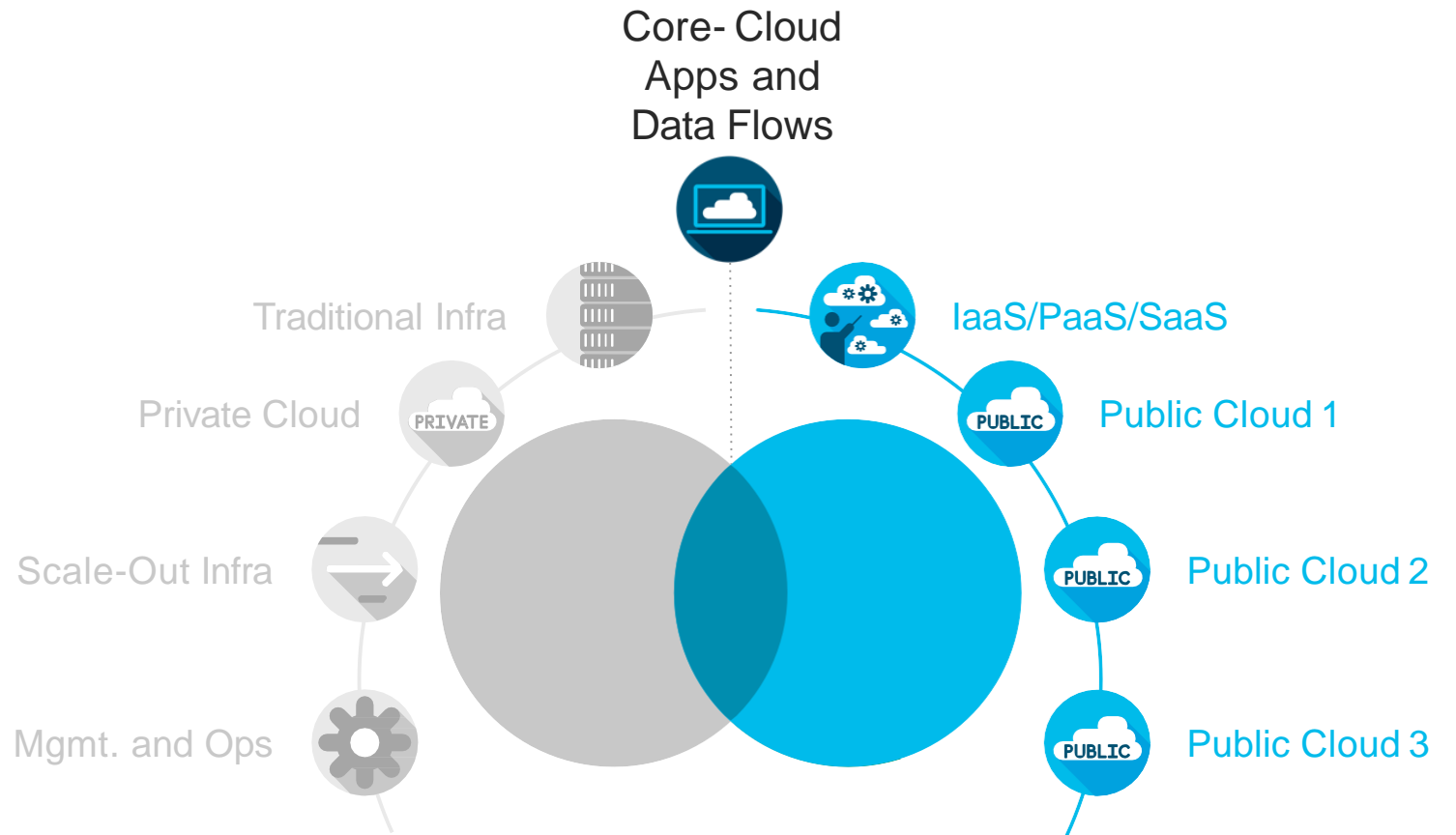
04/18 Gartner,
2018 Strategic roadmap for compute infrastructure, Chirag Dekate, Daniel Bowers, et al., 10 April 2018.



What does the future look like?

By 2020, Over 90% of Enterprises Will Use Multiple Cloud Services and Platforms

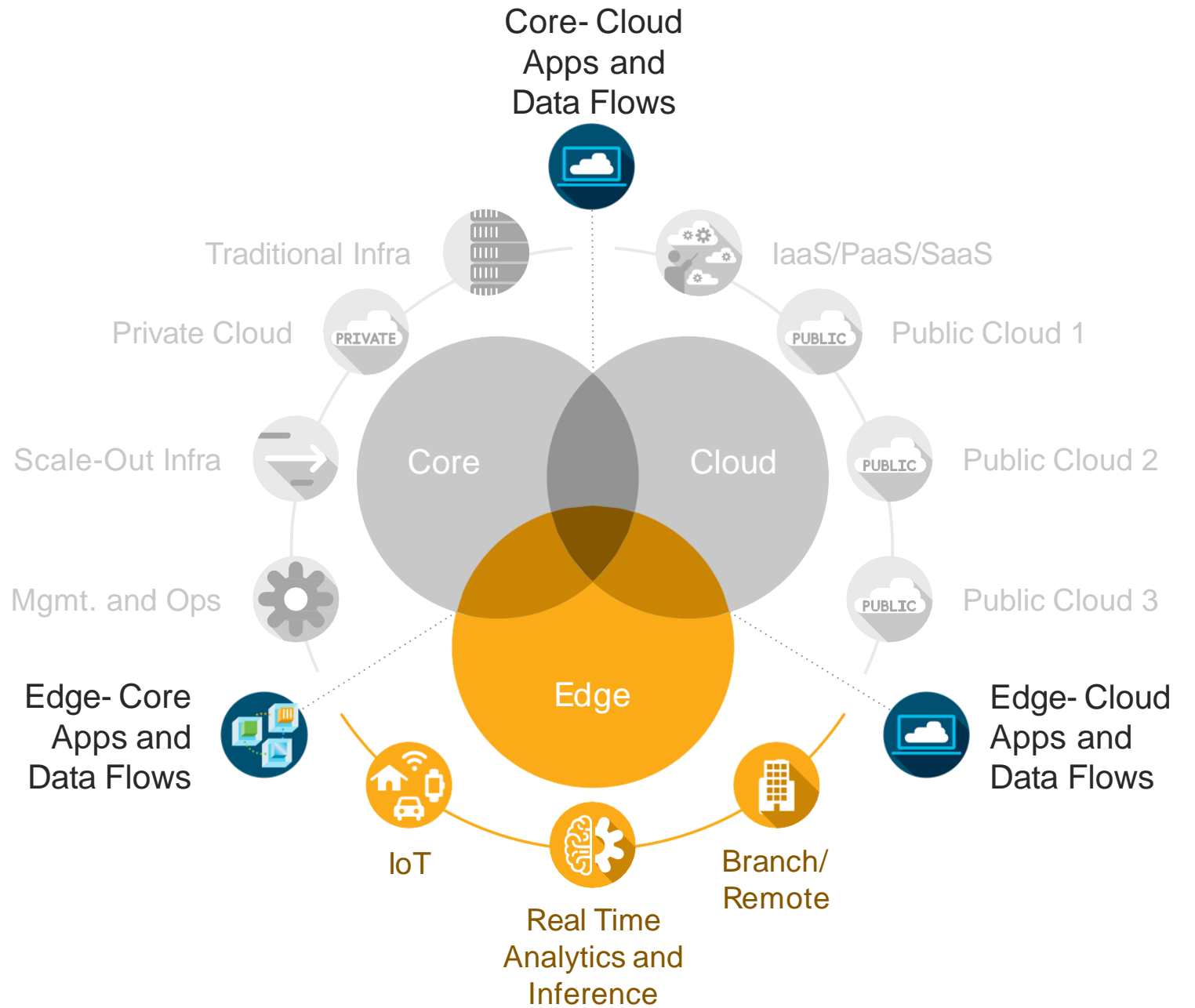
2018 IDC,
IDC FutureScape:
Worldwide IT Industry 2018 Predictions



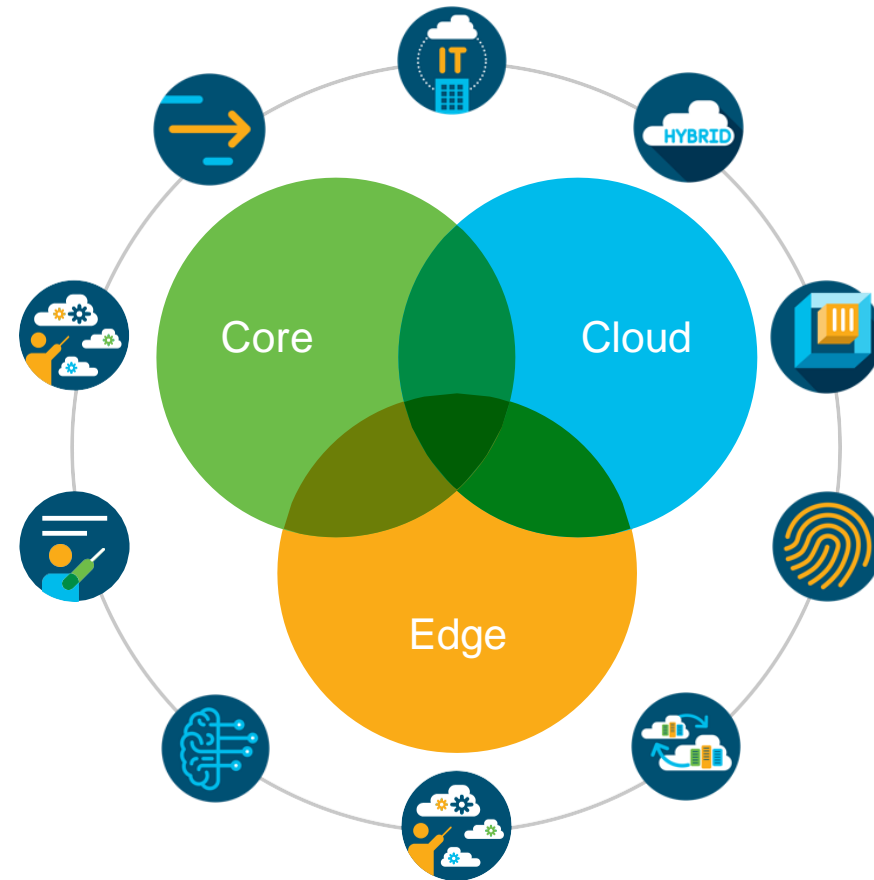
What does the future look like?

“By 2022, more than 50% of enterprise-generated data will be created and processed outside [of] the core data center or cloud”

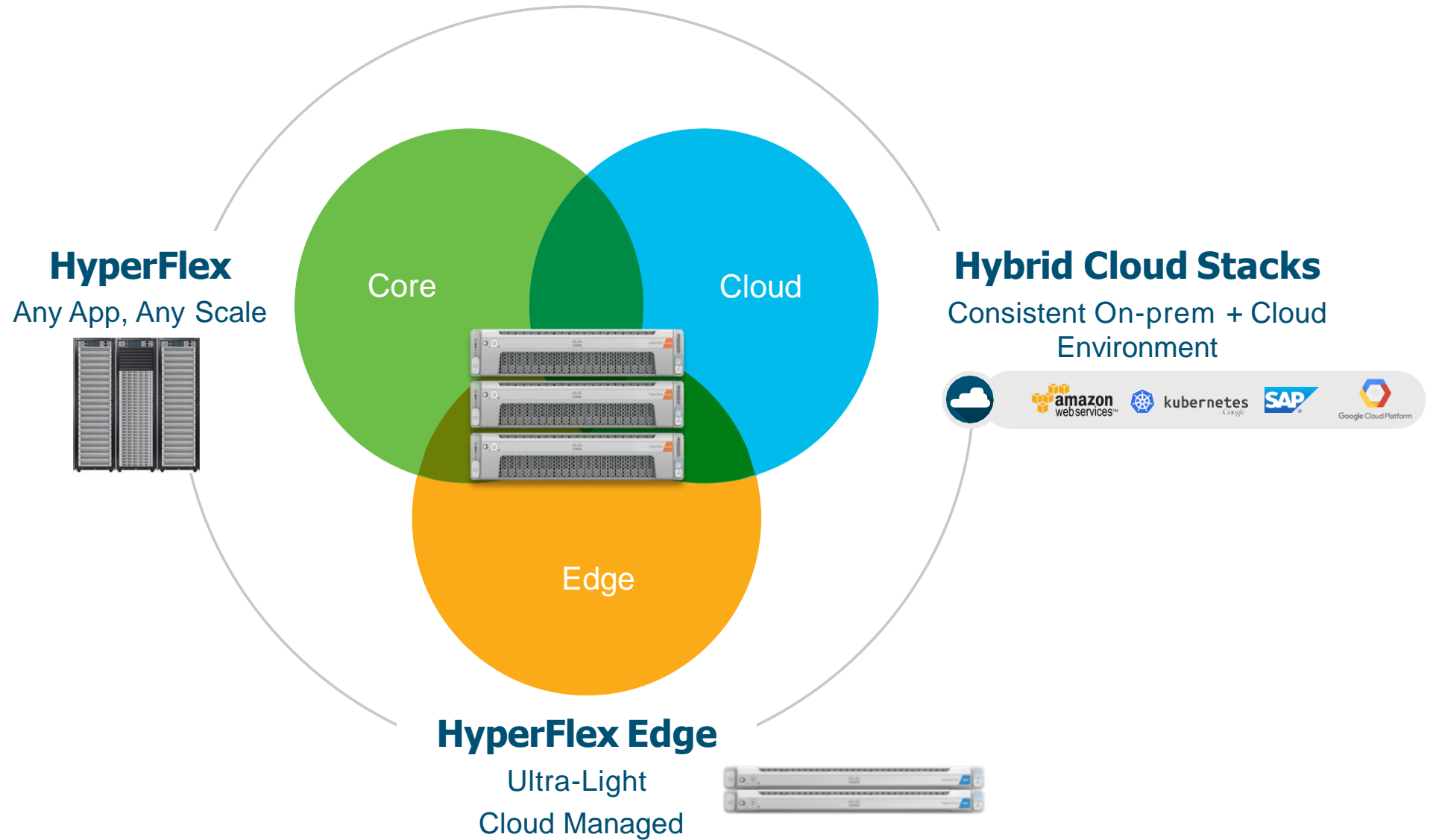
12/18 Gartner,
Gartner IT Infrastructure, Operations & Cloud
Strategies Conference Event Presentation,
The Future of IT Infrastructures: Always On,
Always Available, Everywhere, David J.
Cappuccio, Bob Gill, et al., 3-6 December
2018



The Future is the Distributed Datacenter



Cisco HyperFlex Anywhere

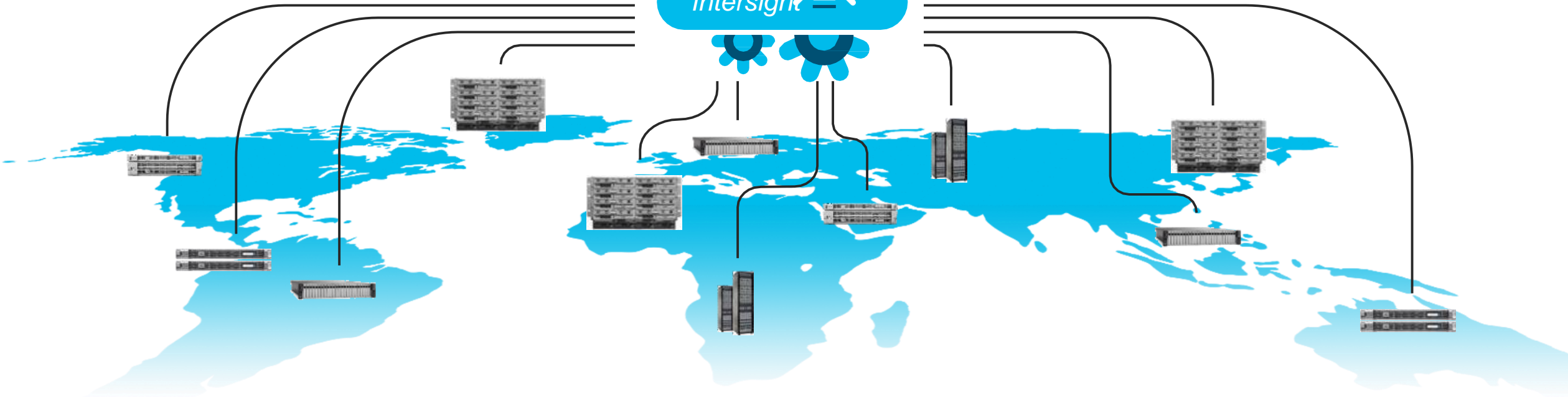


Cisco Intersight Intelligent Centralized Management



SaaS
Simplicity

Actionable
Intelligence

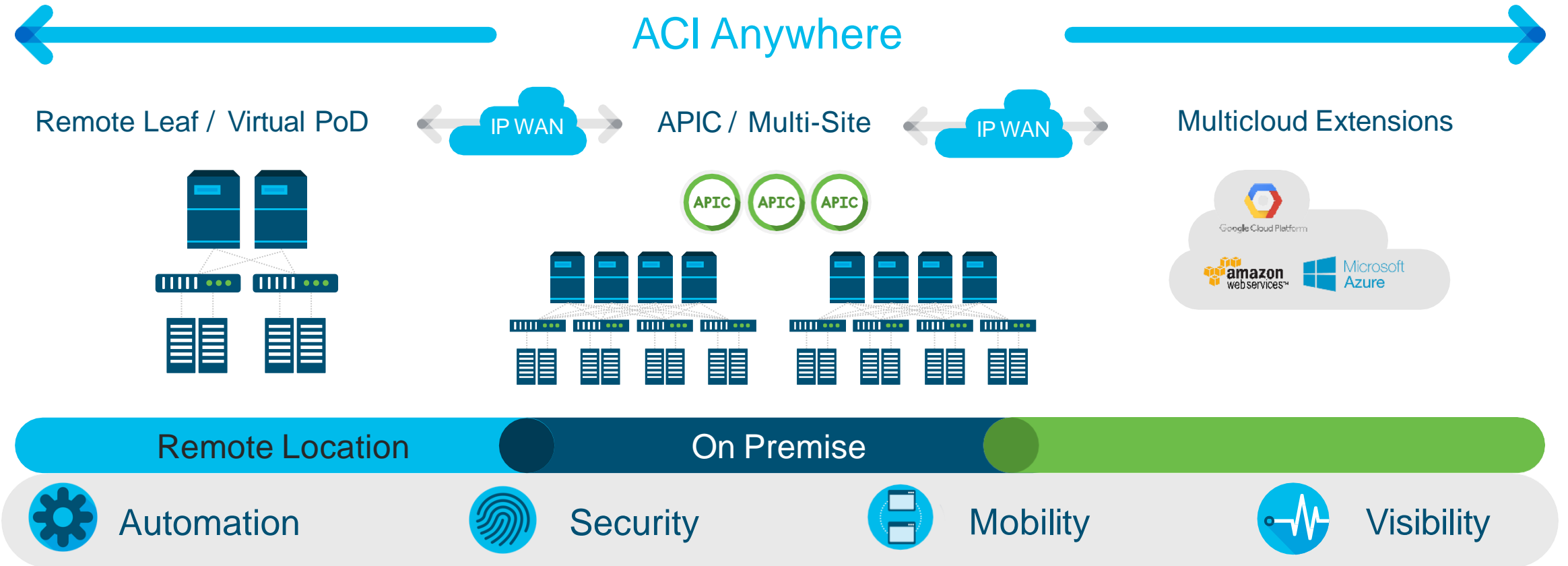




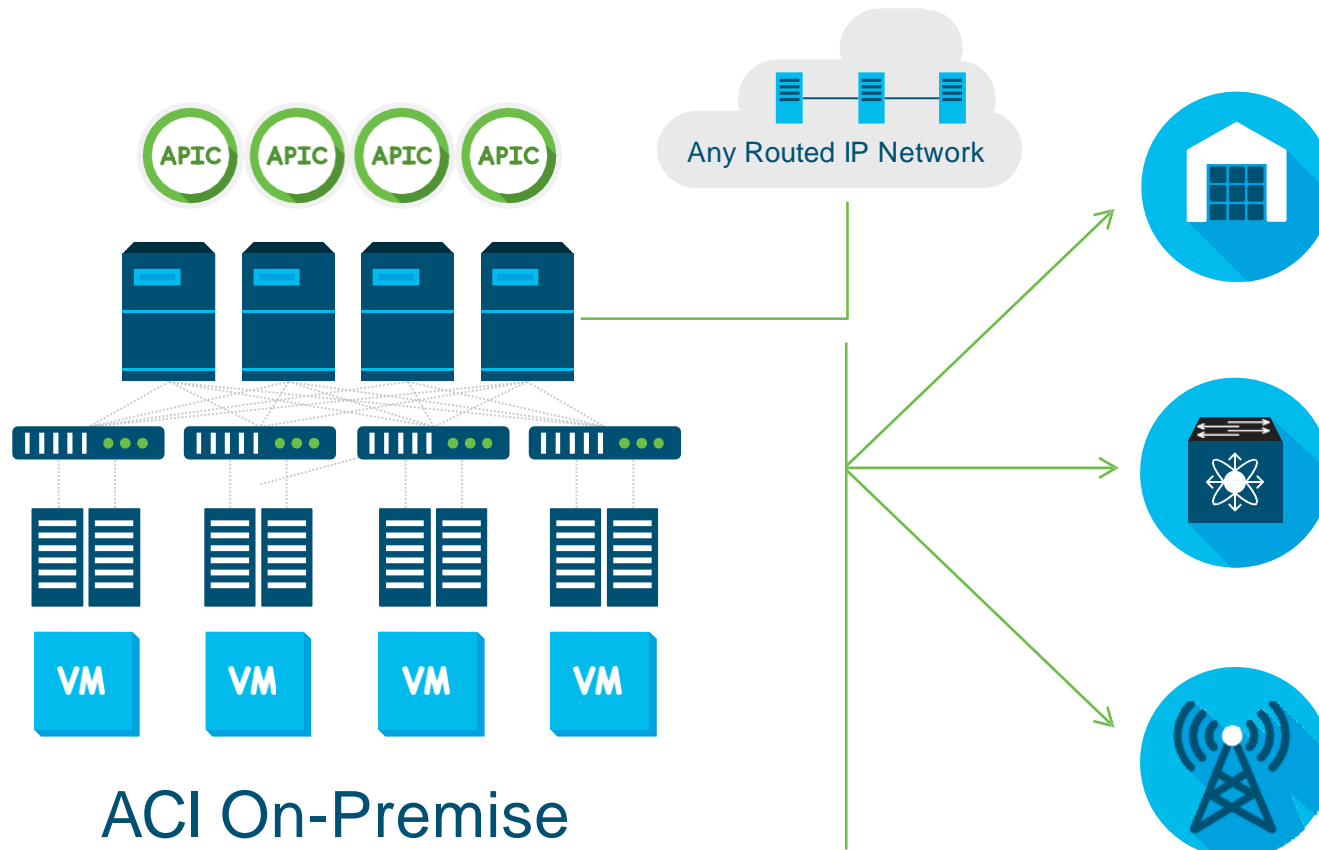
Cisco ACI Anywhere

ACI | Architecture

Any Cloud, Any Application, Any Platform, Anywhere



Extending ACI into Virtual Environments with ACI Virtual Edge



Physical Remote Leaf


- Satellite/Remote locations deployment
- Leverage Nexus 9K hardware capabilities
- Extend ACI policy

ACI Virtual Pod

- Extend ACI Policy w/o H/W
- Virtualized Spine, Leaf and APIC
- Bare-metal providers, co-location providers, legacy networks

ACI Mini Fabric

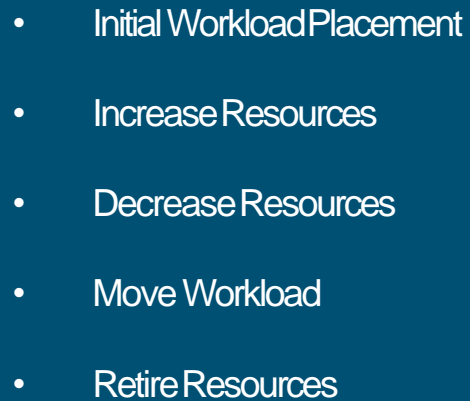
- Small scale and cost optimized deployments
- 5RU: Ideal for space, power and cooling restrictions
- Telco DC, small to midsize business

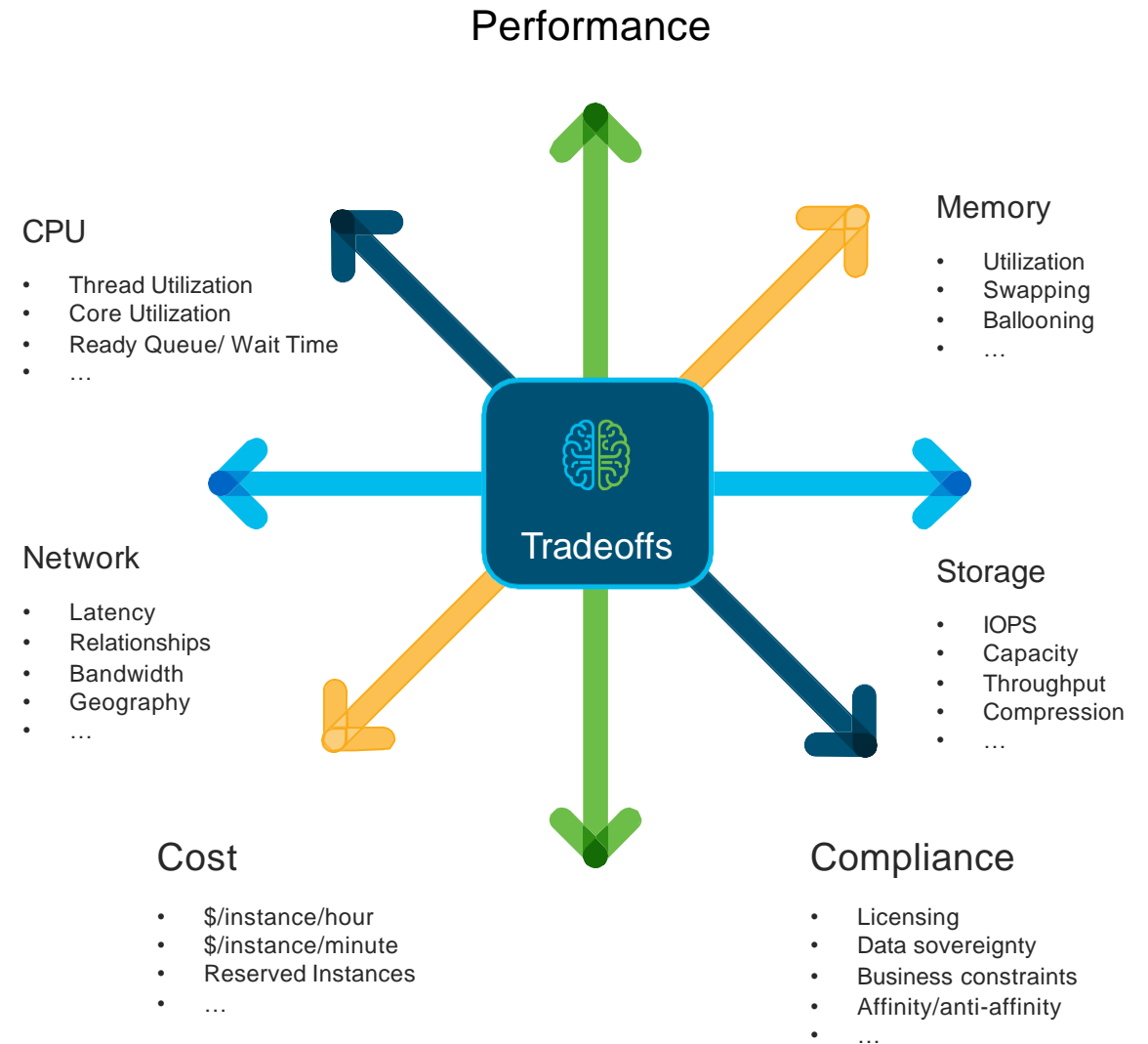


Cisco Workload Optimization Manager (CWOM)

Dynamic Adjustment

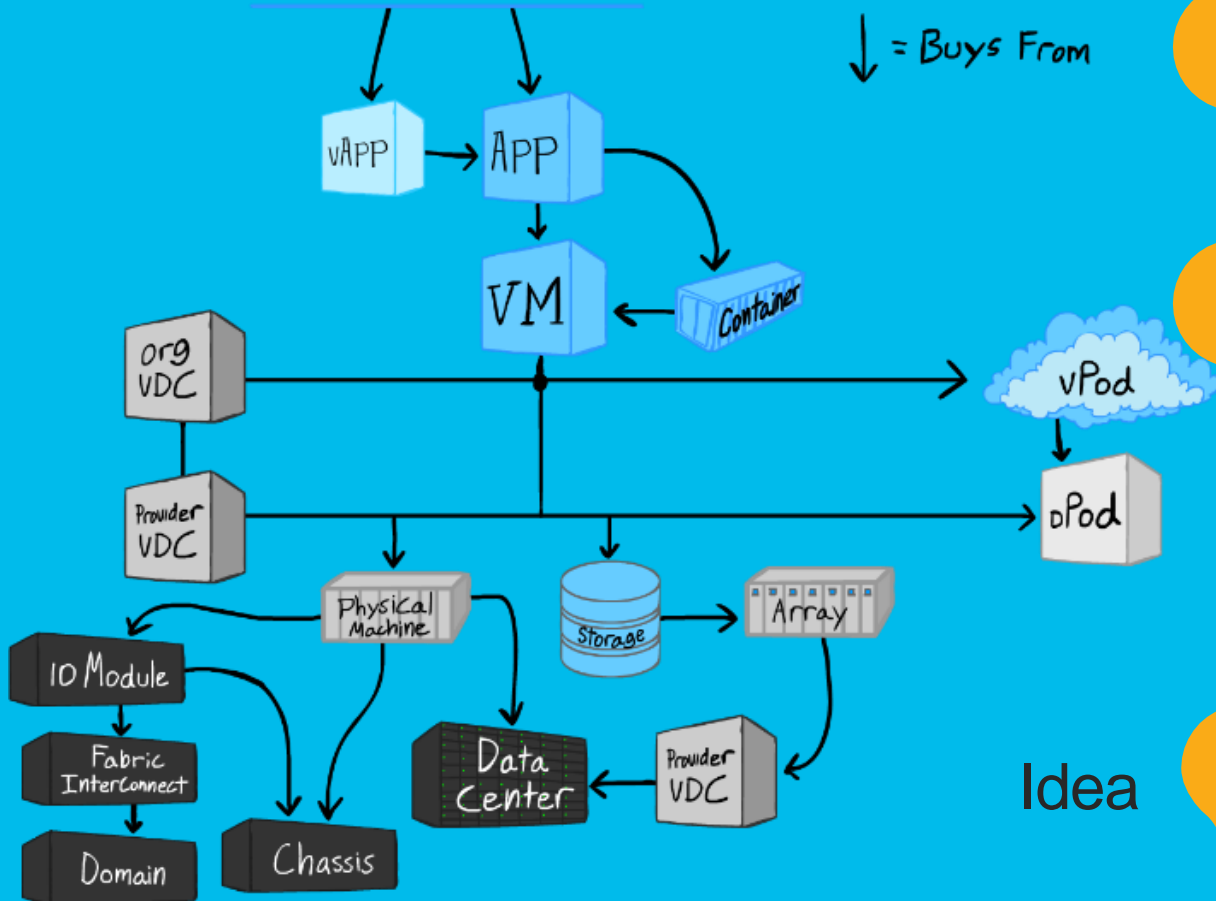
- Navigate multiple tradeoffs
- Operate in real time
- Self-managing

- 
- Initial Workload Placement
 - Increase Resources
 - Decrease Resources
 - Move Workload
 - Retire Resources



How does WOM automate decision-making?

The Business



1

Abstraction:
Supply Chain

2

Analytics:
Supply, Demand, Price

3

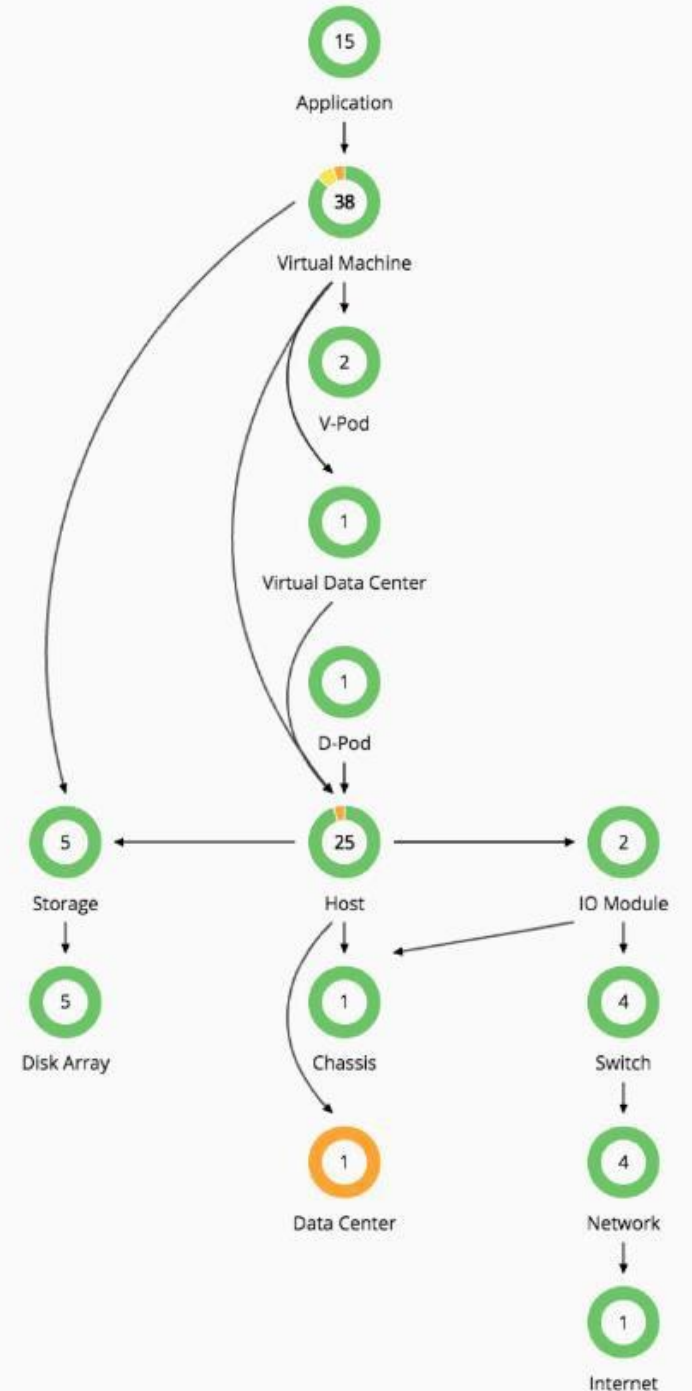
Automation:
Real-time action

- Placement
- Scaling
- Capacity

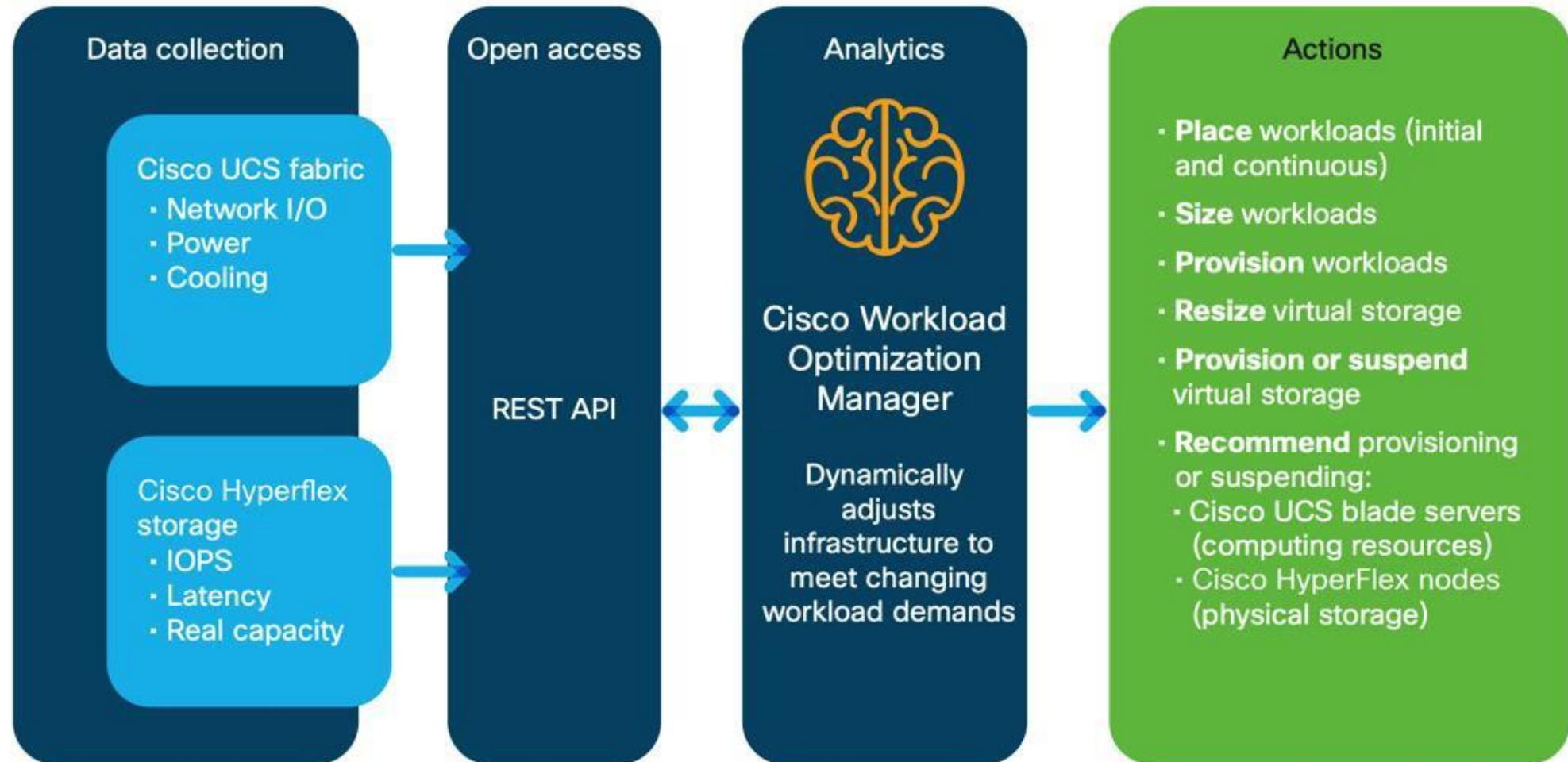
Idea



Solution



CWOM and UCS/Hyperflex

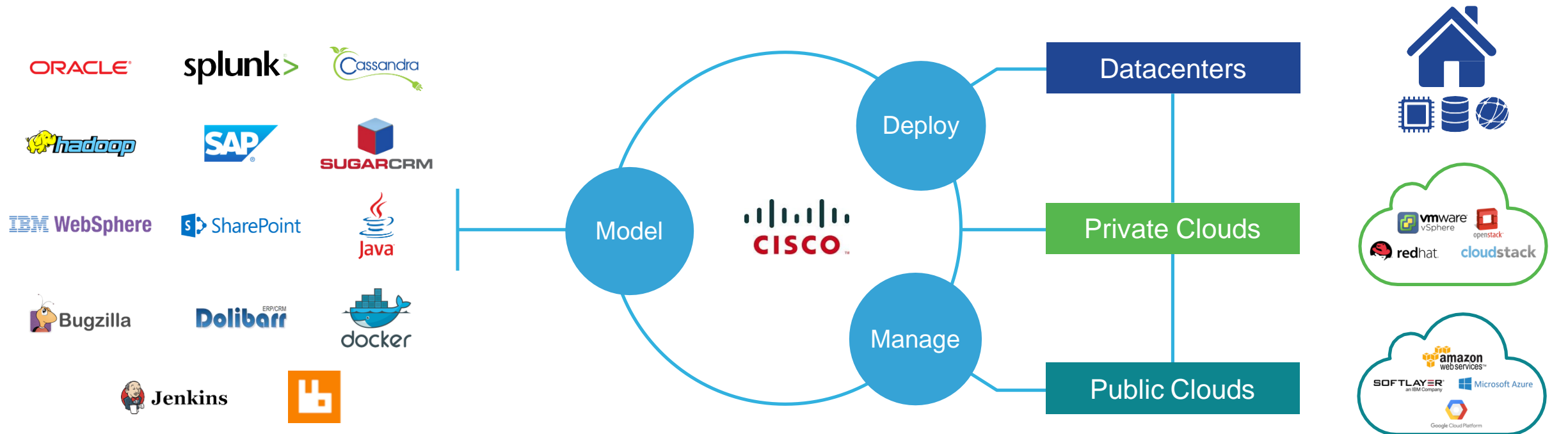




Cisco Cloud Center

Cisco CloudCenter

Any Application. Any Cloud. One Platform.



Single Integrated Management Platform

Full Application Lifecycle Management

Enterprise-Ready

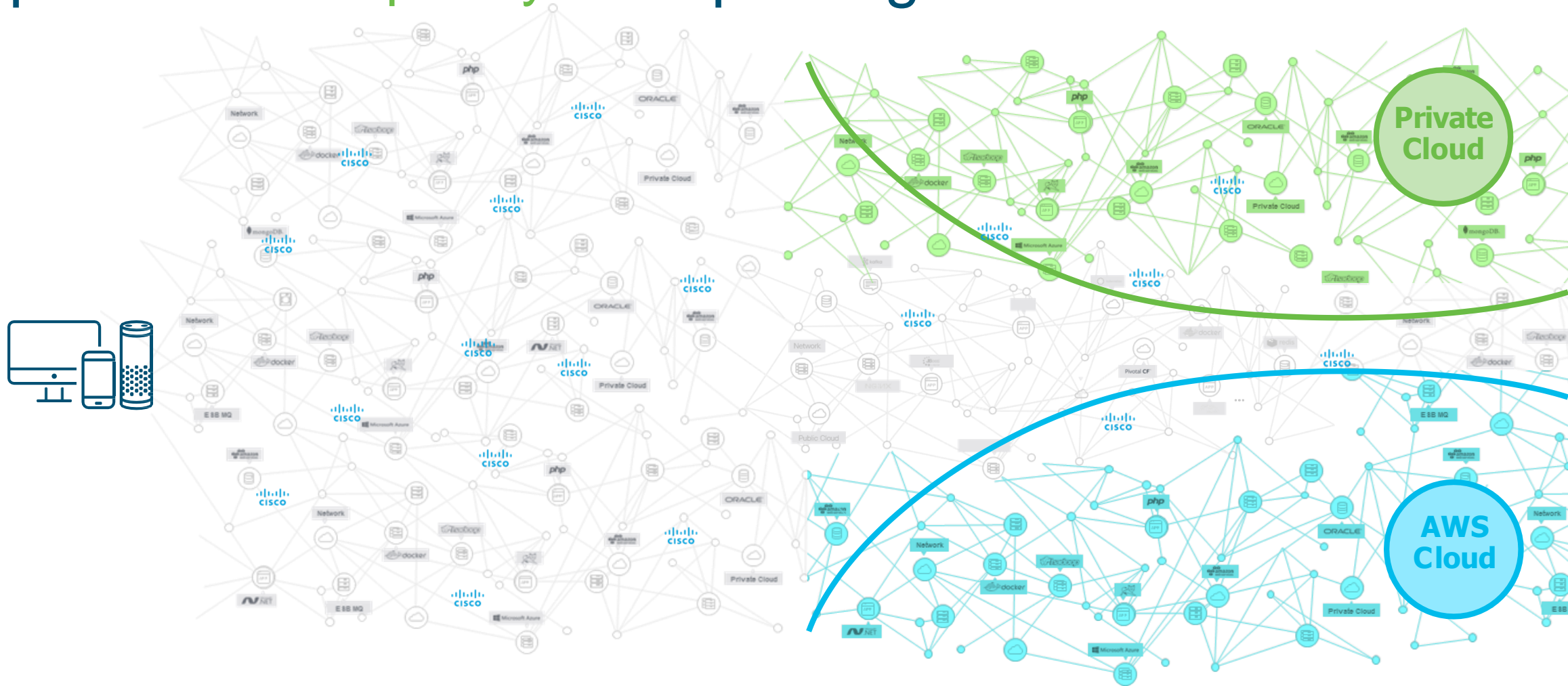
Scalable

Secure



AppDynamics

Application Complexity Is Exploding



1 More Complexity
More Components

2 More Dependencies
More Distributed

3 Release Apps faster
Faster Cycles

AppDynamics

Real-time, end-to-end performance management of complex, distributed applications across private and public cloud environments.

Visualize – All application components, dependencies and connections instantly, in one user interface

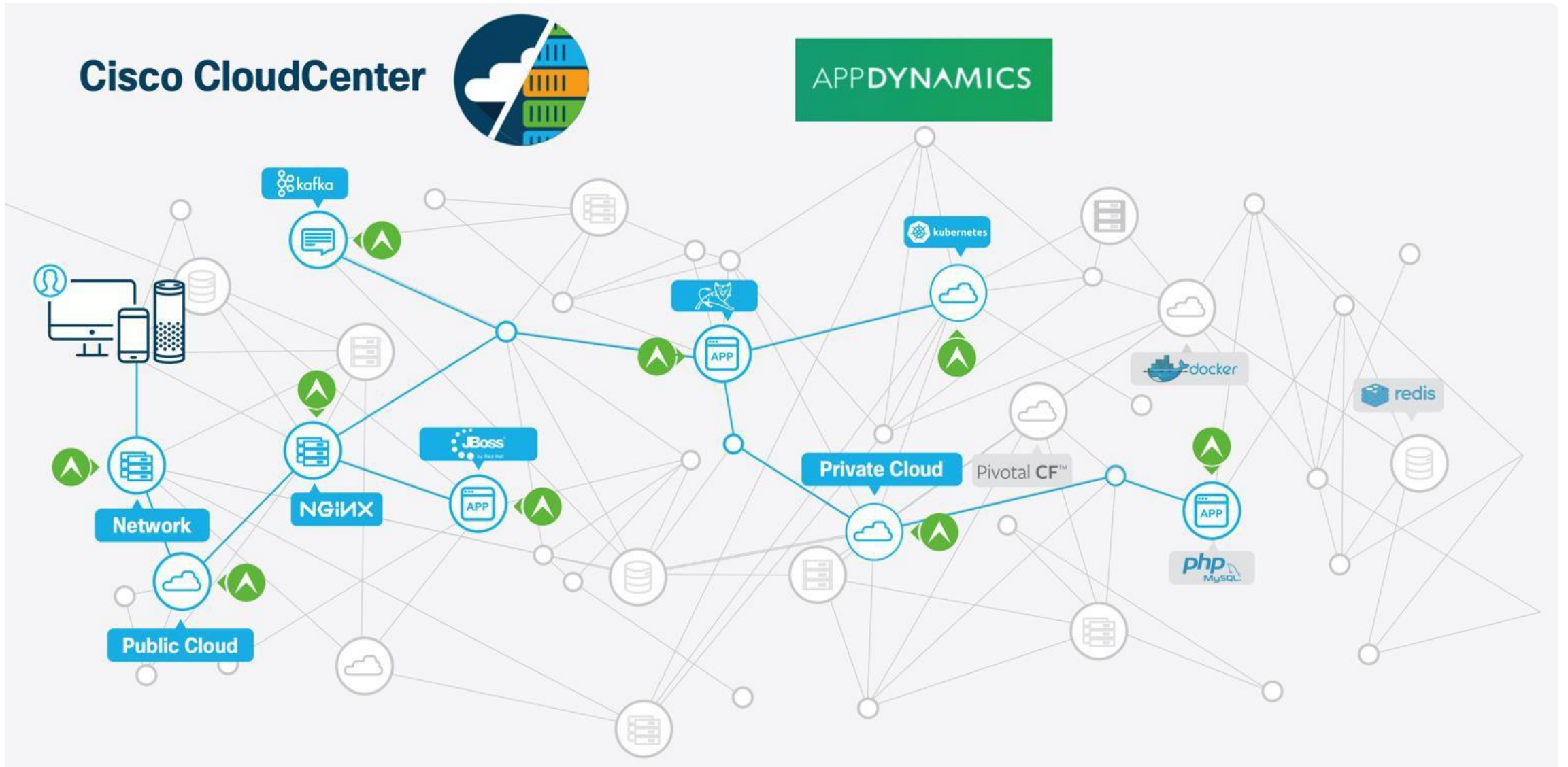
Focus – On making sure that applications meet user experience needs with the automatic monitoring of Business Transactions

Know – That every alert is business relevant and needs to be acted upon

Understand – The root-cause of application performance issues down to the code level



AppDynamics and Cloud Center



AppDynamics and CWOM

AppDynamics understands the business application topology



Application and development

Workload Optimization Manager drives the infrastructure so that applications get the resources they need



Infrastructure and operations



Cisco Tetration

Cisco Tetration

Understand what's running in your datacenter



Cisco Tetration



Visibility and forensics

East-west communication, users and user groups accessing application, location information, etc.,



Process information, installed software inventory, etc.,



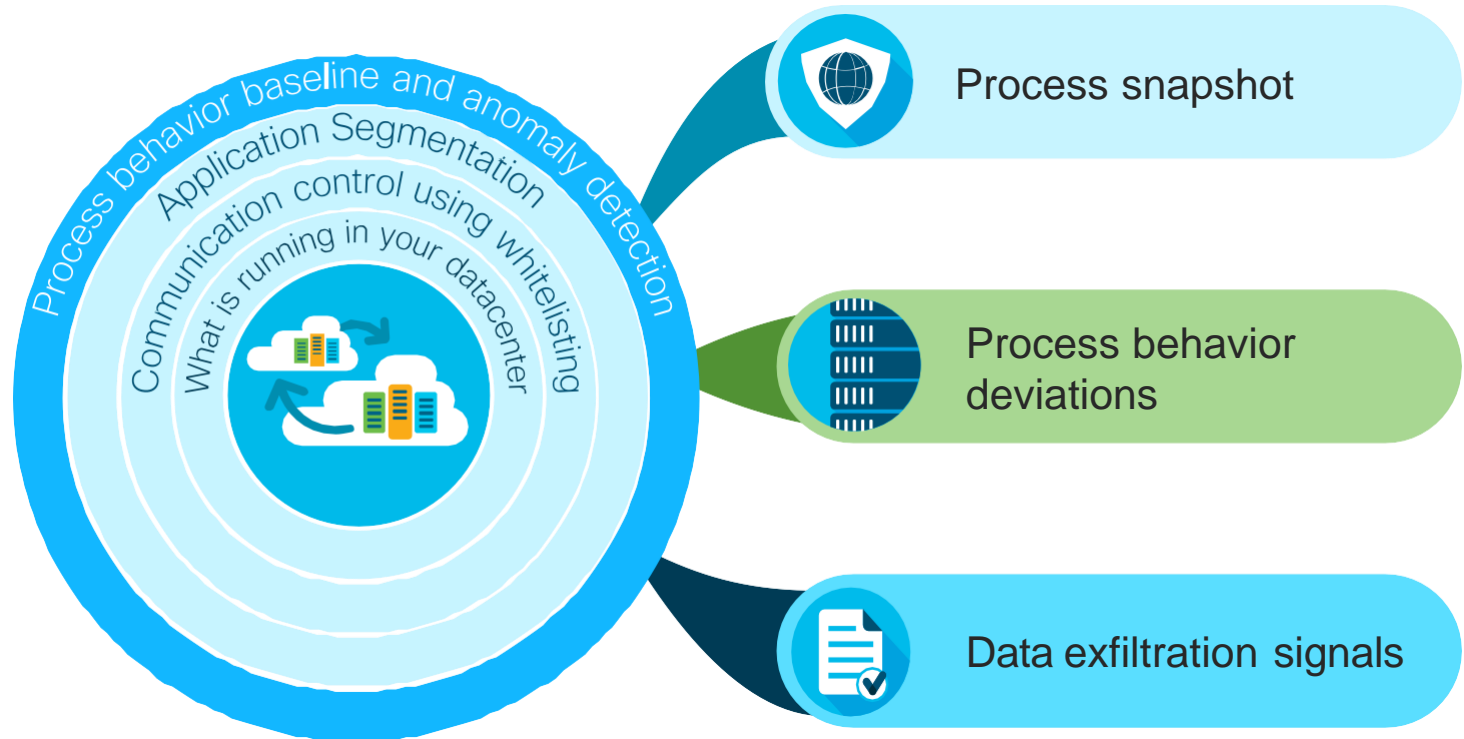
Application dependency maps

Cisco Tetration

Identify anomalous behavior deviations



Cisco Tetration





Cisco Security



Protect the
workload
everywhere



On prem



Public



Private

Cisco Data Center Security



Visibility
“See Everything”



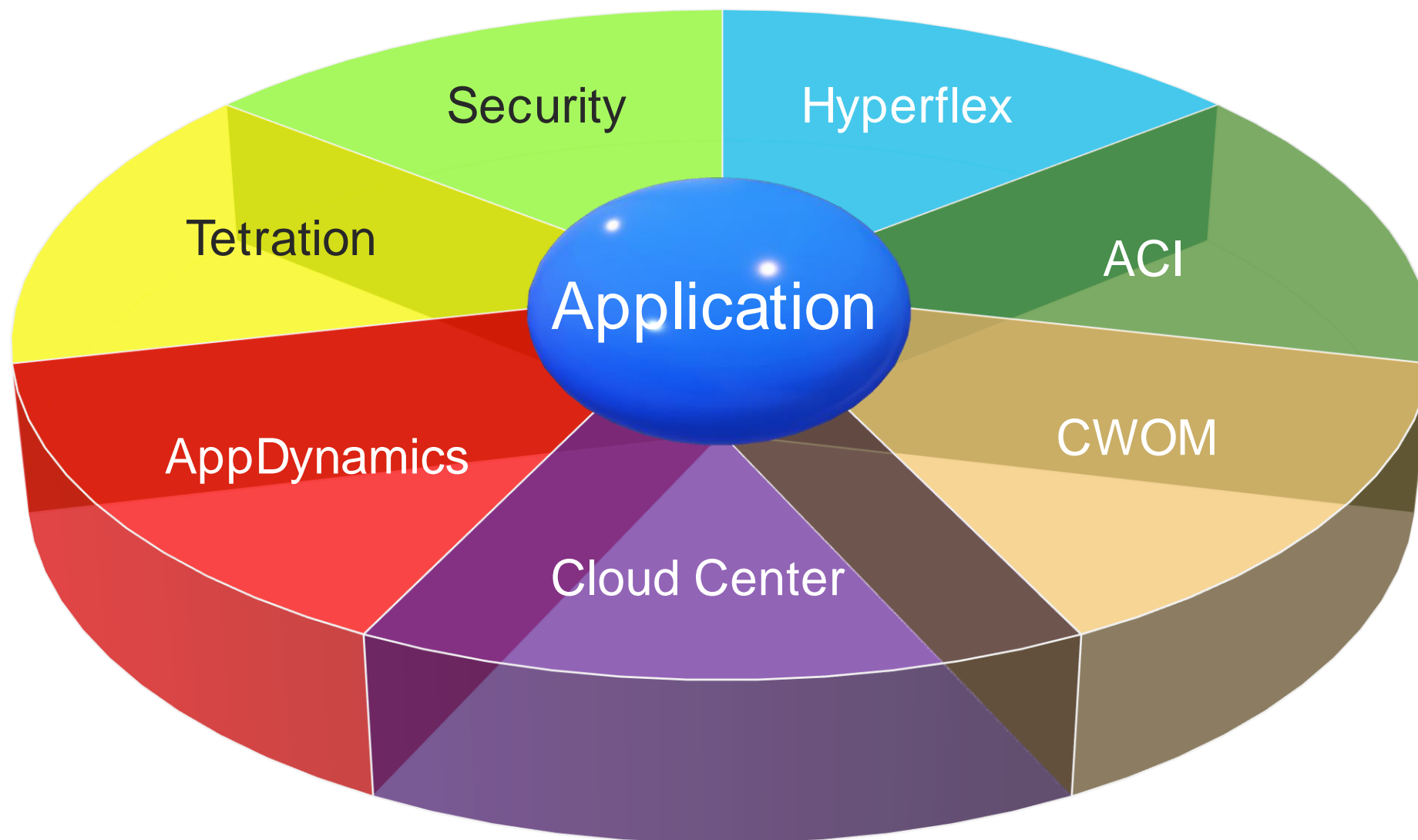
Segmentation
“Reduce the
Attack Surface”



Threat Protection
“Stop the Breach”



Cisco DC Solution





THANK YOU

