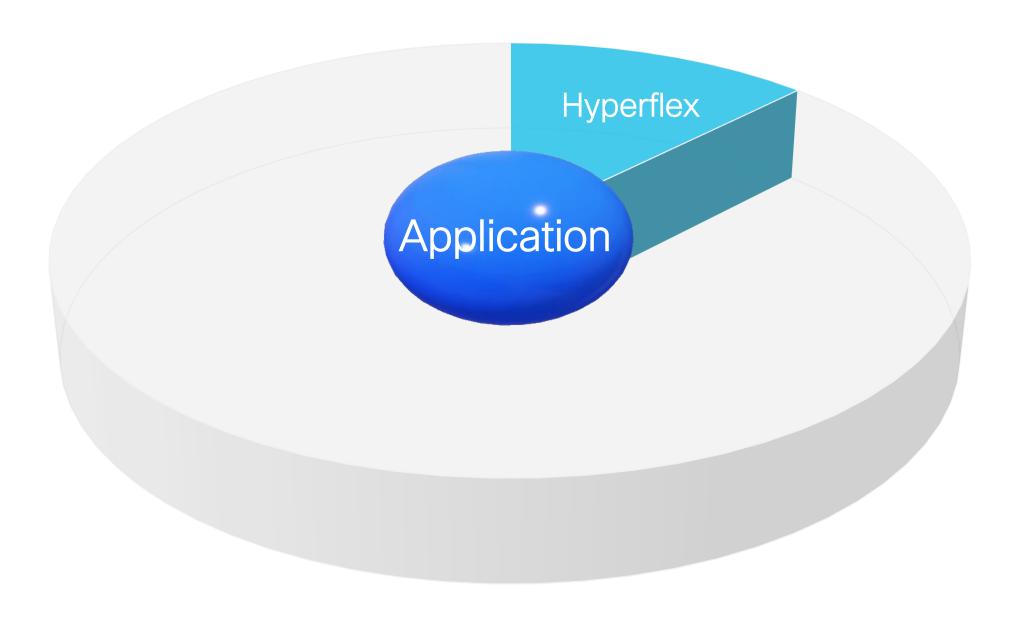


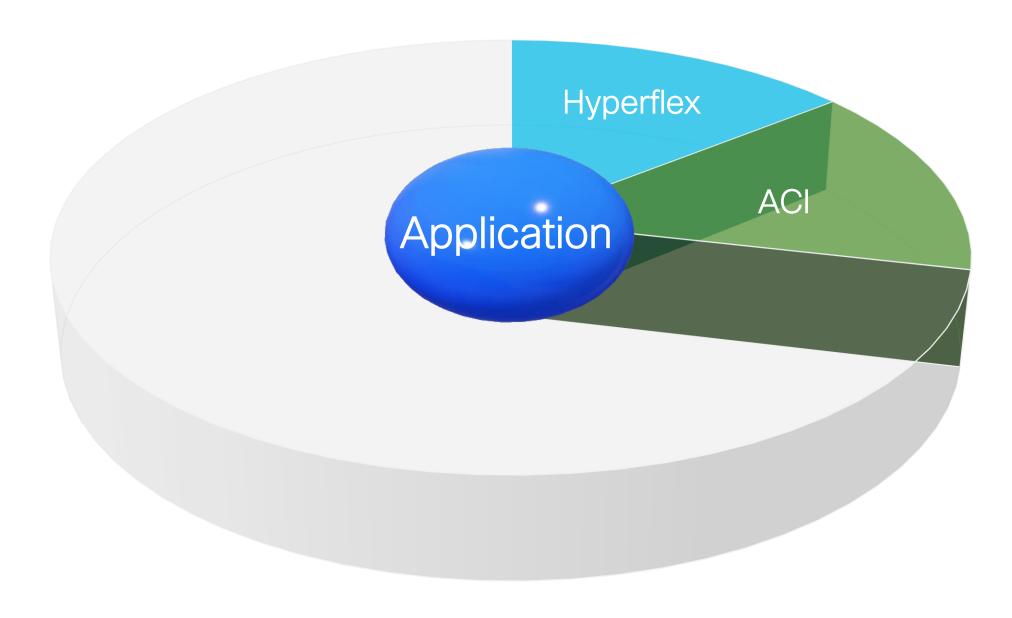
Cisco Intent-Based Data Center Solution

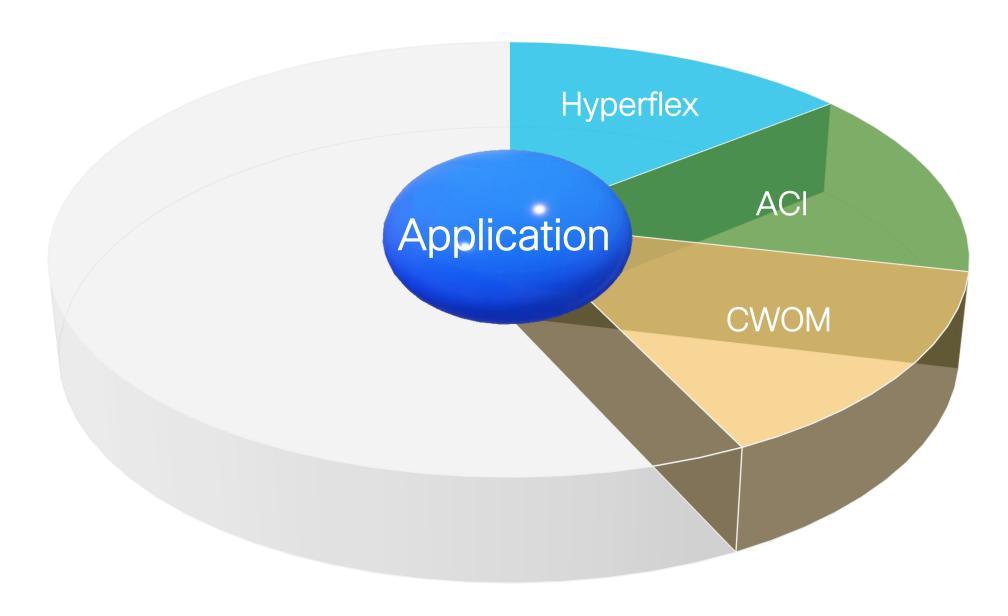
Miloš Pavlík Cisco Consulting System Engineer

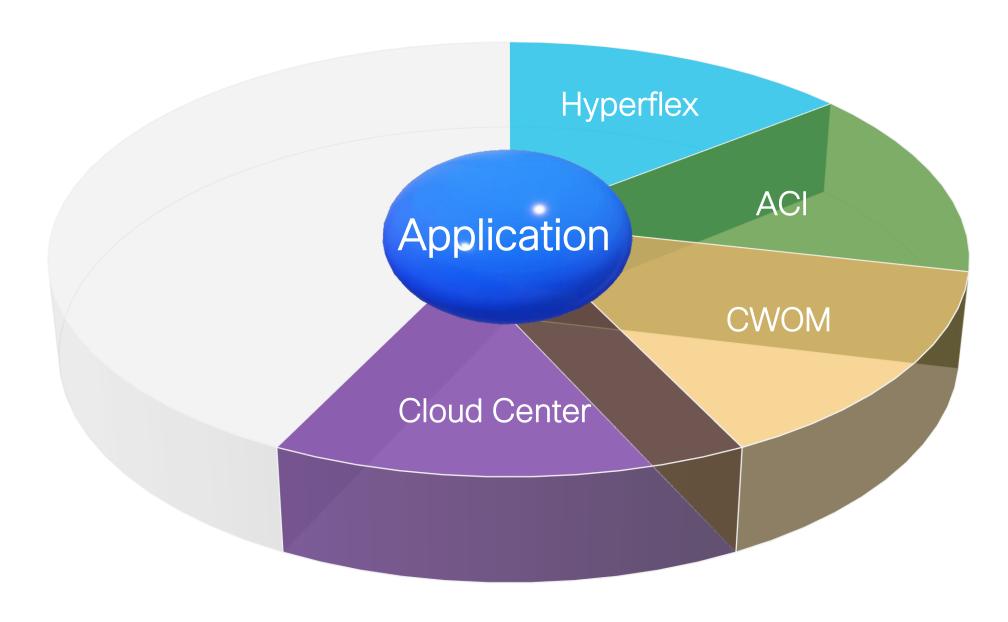


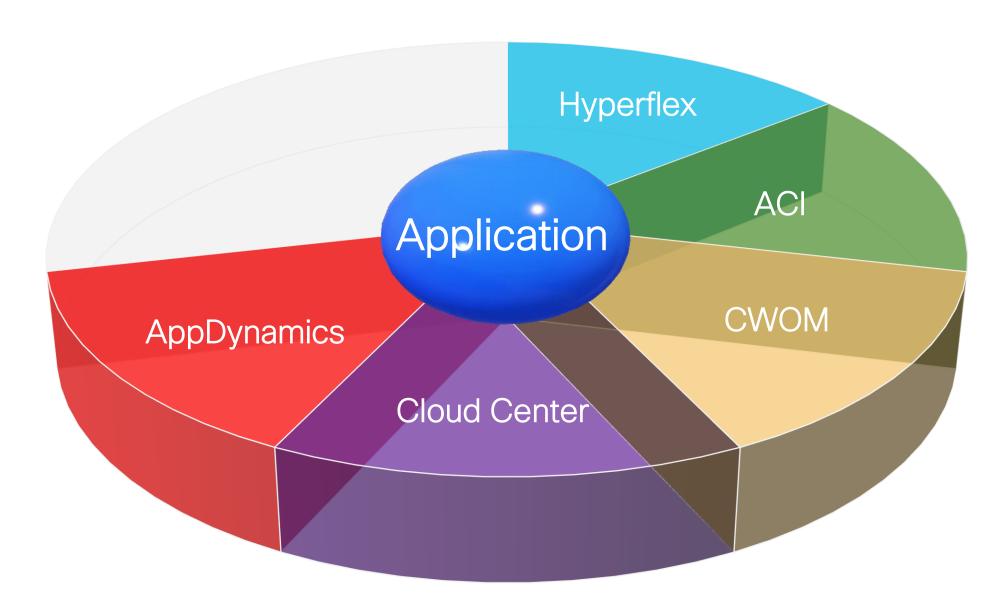


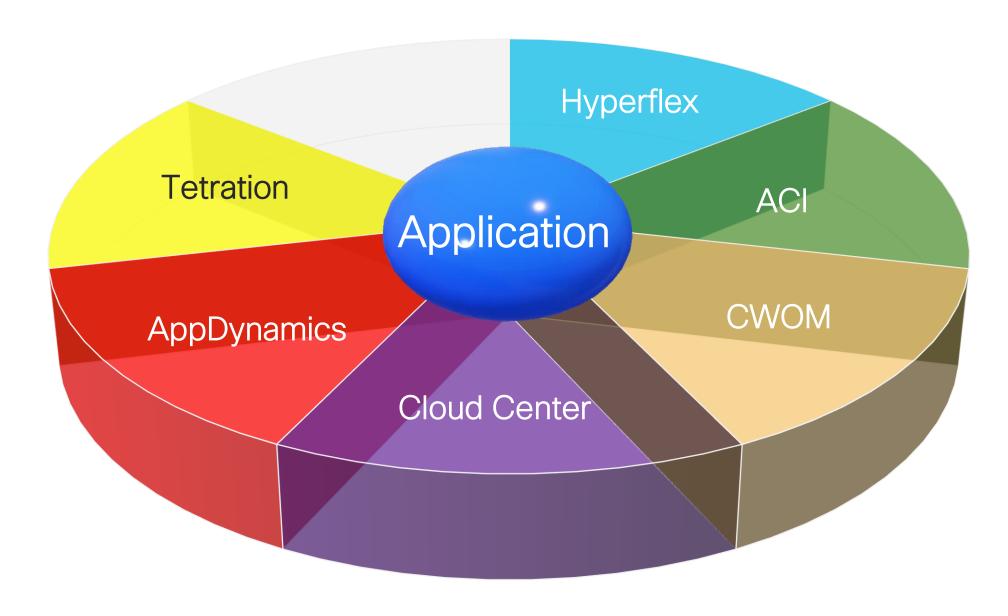


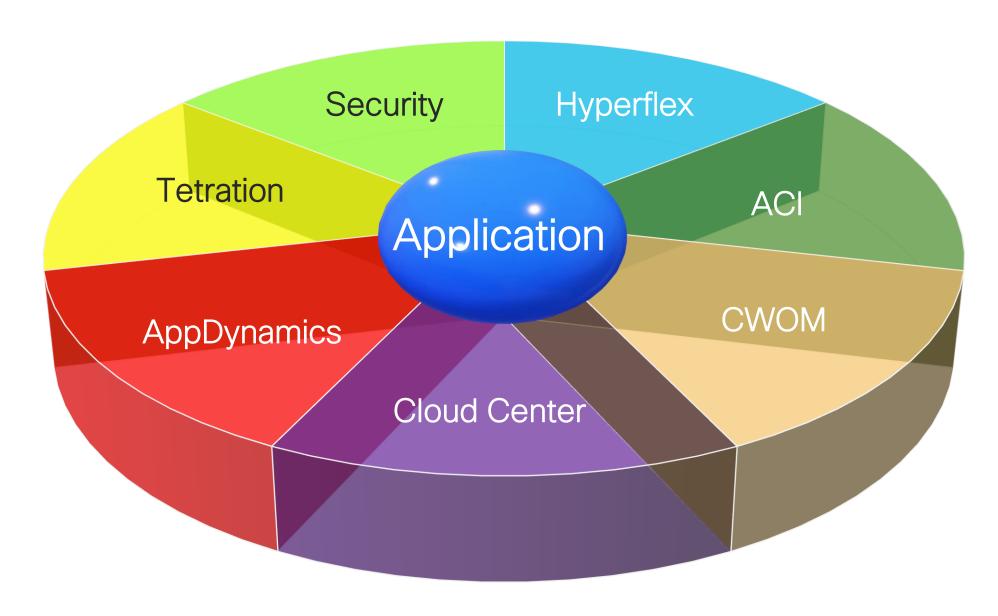












Cisco HyperFlex Anywhere

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

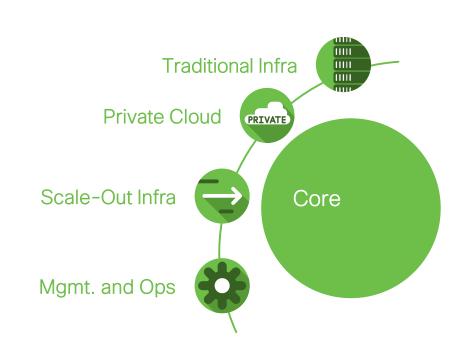
What does the future look like?

#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,

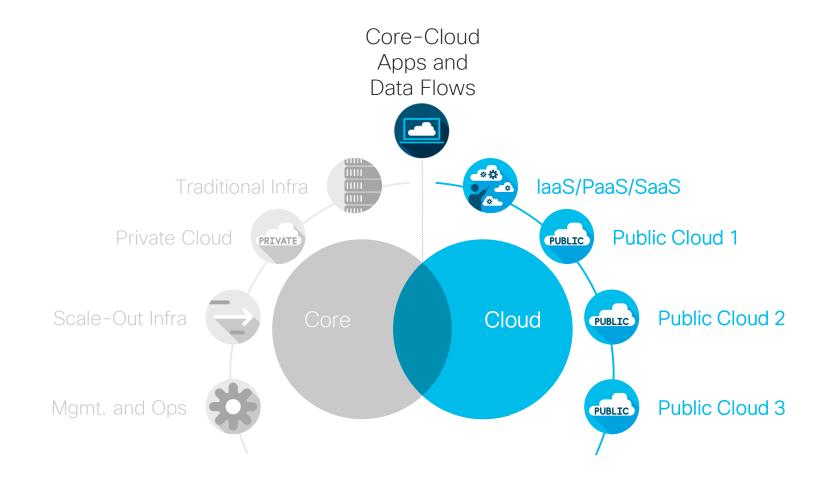
2018 Strategic roadmap for compute infrastructure, Chirag Dekate, Daniel Bowers, et al., 10 April 2018.



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

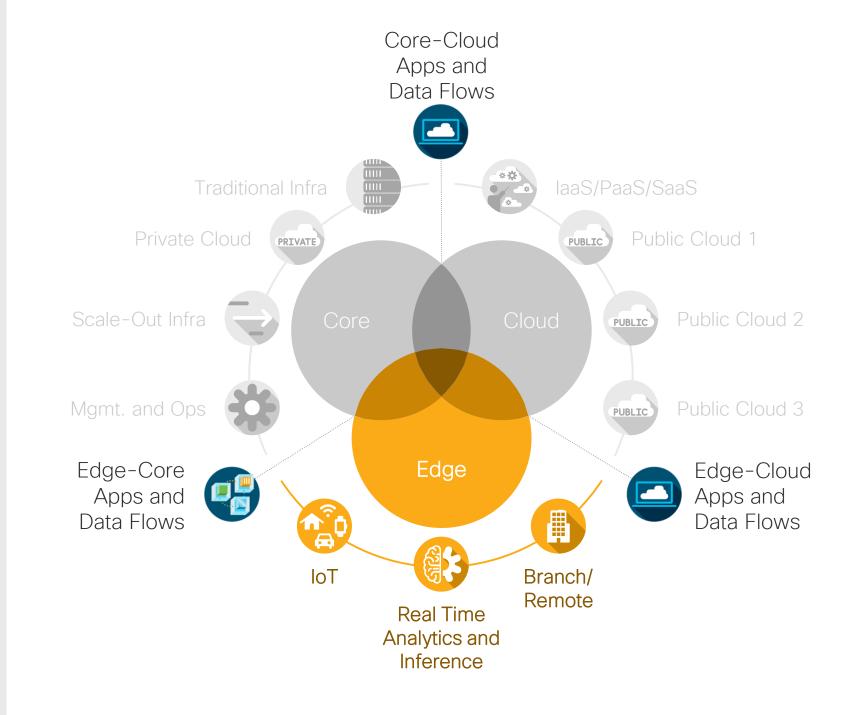


What does the future look like?

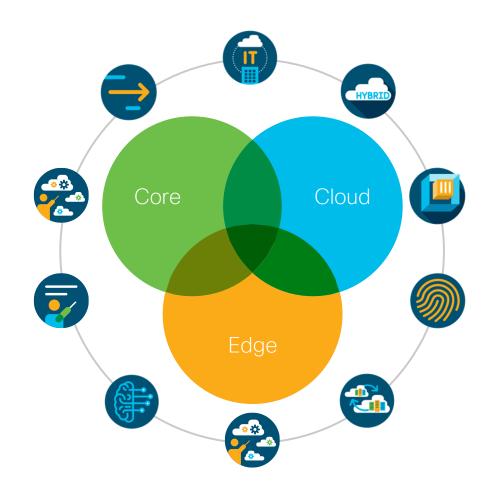
"By 2022, more than 50% of enterprise-generated data will be created and processed outside [of] the core data center or cloud"

12/18 Gartner,

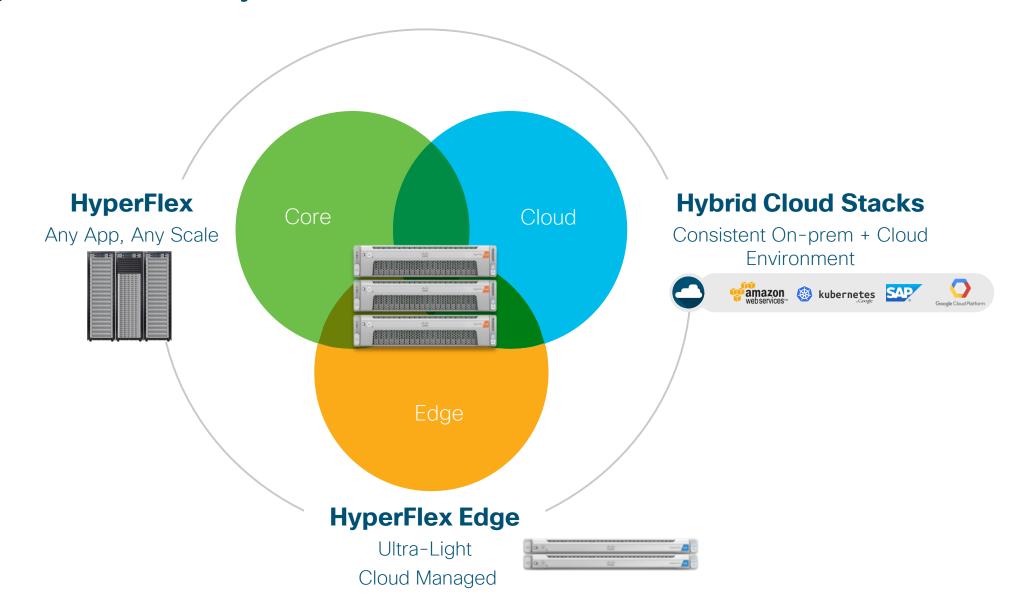
Gartner IT Infrastructure, Operations & Cloud Strategies Conference Event Presentation, The Future of IT Infrastructures: Always On, Always Available, Everywhere, David J. Cappuccio, Bob Gill, et al., 3-6 December 2018



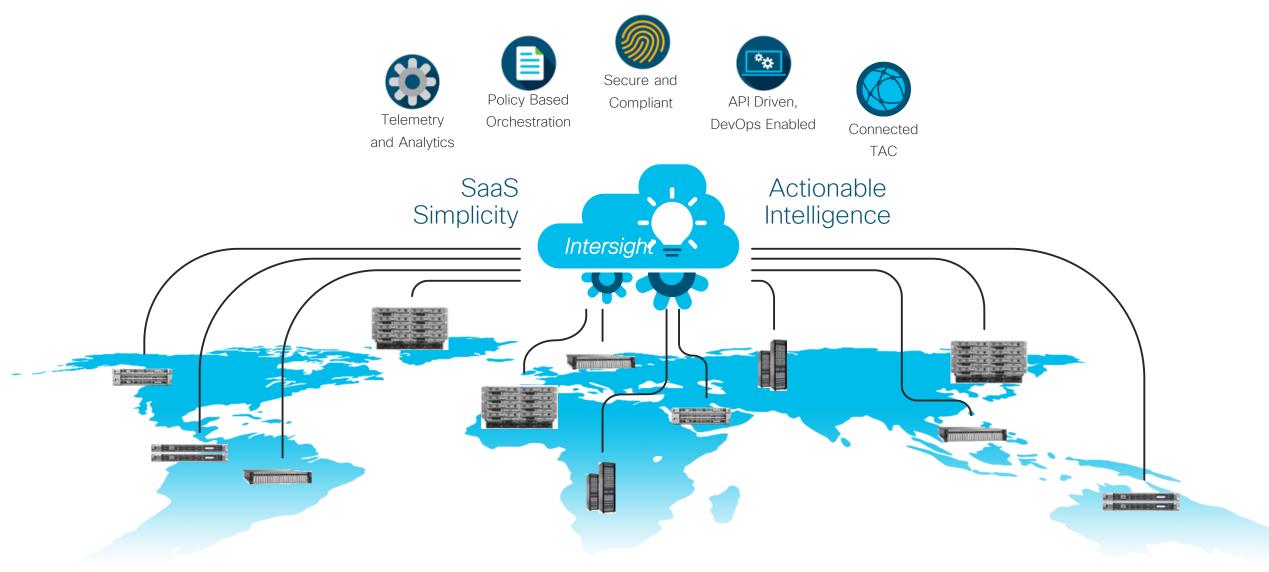
The Future is the Distributed Datacenter



Cisco HyperFlex Anywhere



Cisco Intersight Intelligent Centralized Management



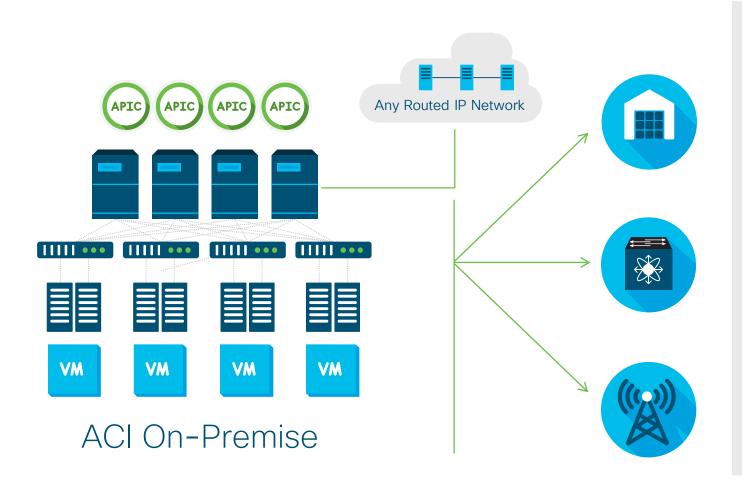
Cisco ACI Anywhere

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

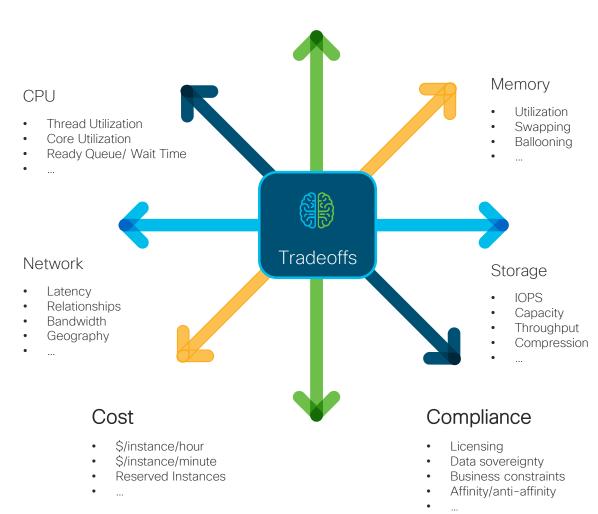
- Small scale and cost optimized deployments
- 5RU: Ideal for space, power and cooling restrictions
- Telco DC, small to midsize business

Cisco Workload Optimization Manager (CWOM)

Dynamic Adjustment

- Navigate multiple tradeoffs
- Operate in real time
- Self-managing
- Initial Workload PlacementIncrease Resources
- Decrease Resources
- Move Workload
- Retire Resources

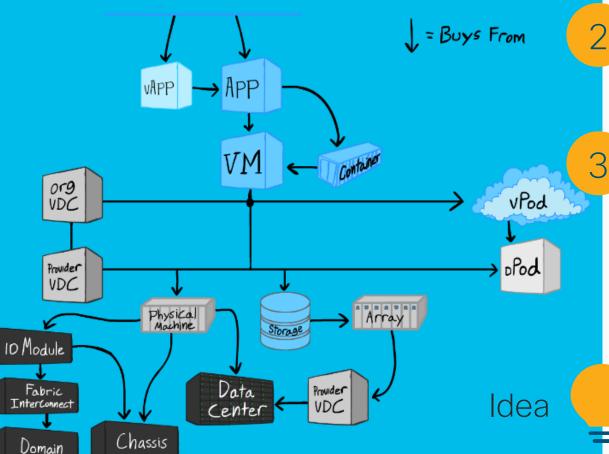
Performance



How does WOM automate decision-making?

Abstraction:
Supply Chain

The Business



Analytics:

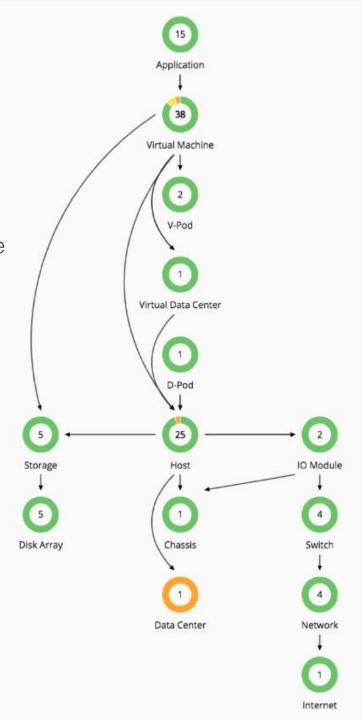
Supply, Demand, Price

Automation:

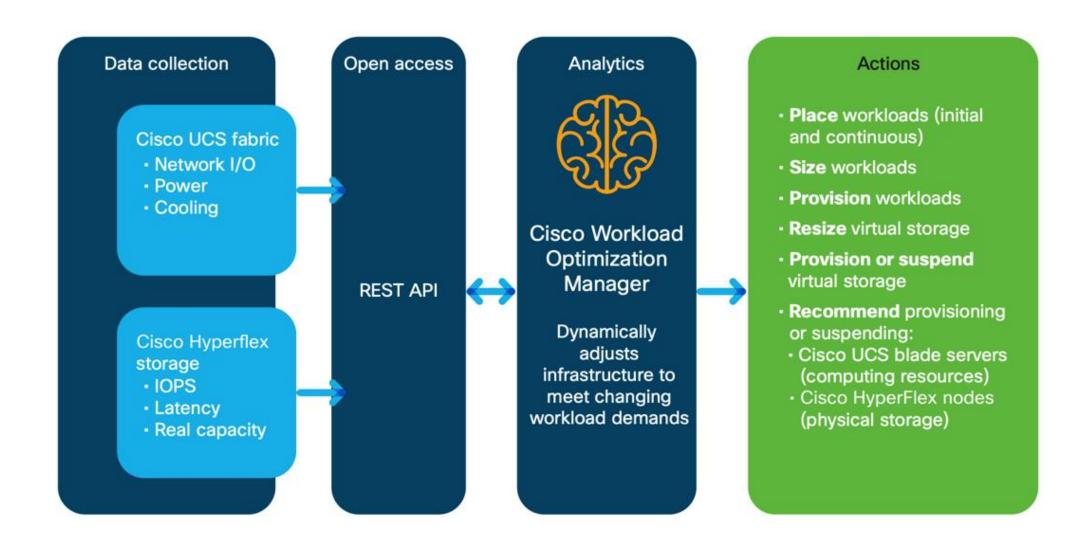
Real-time action

- Placement
- Scaling
- Capacity



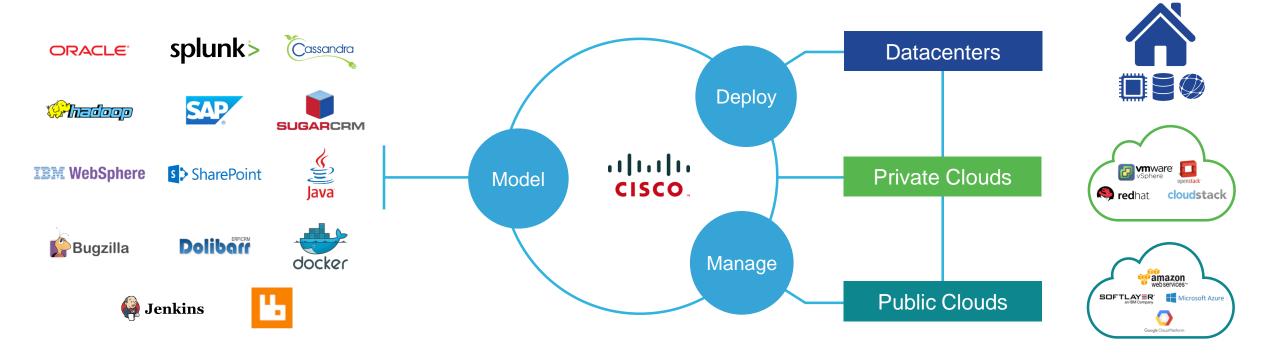


CWOM and UCS/Hyperflex



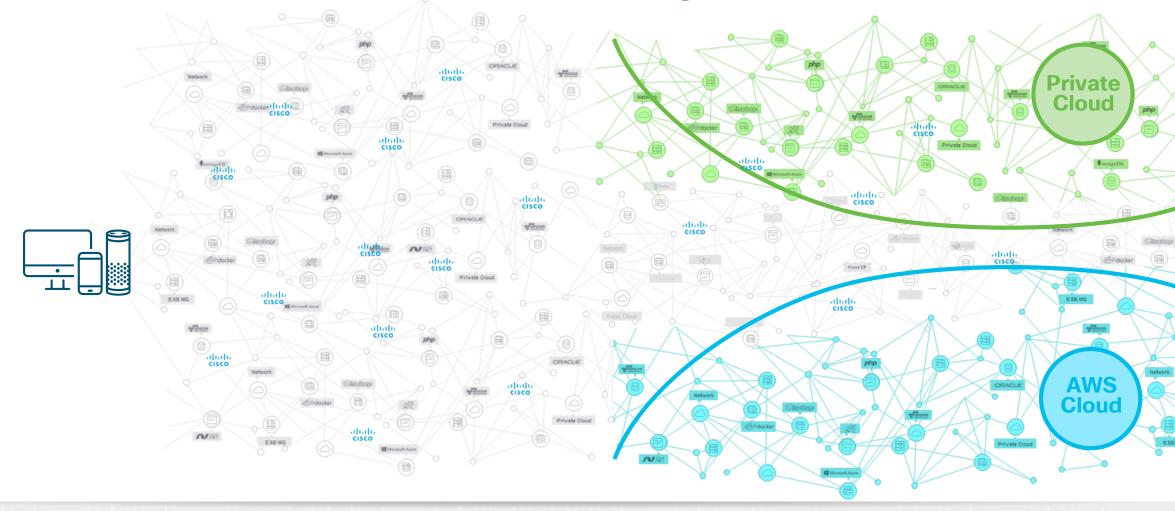
Cisco Cloud Center

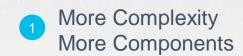
Cisco CloudCenter Any Application. Any Cloud. One Platform.





Application Complexity Is Exploding







Release Apps faster Faster Cycles

AppDynamics

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

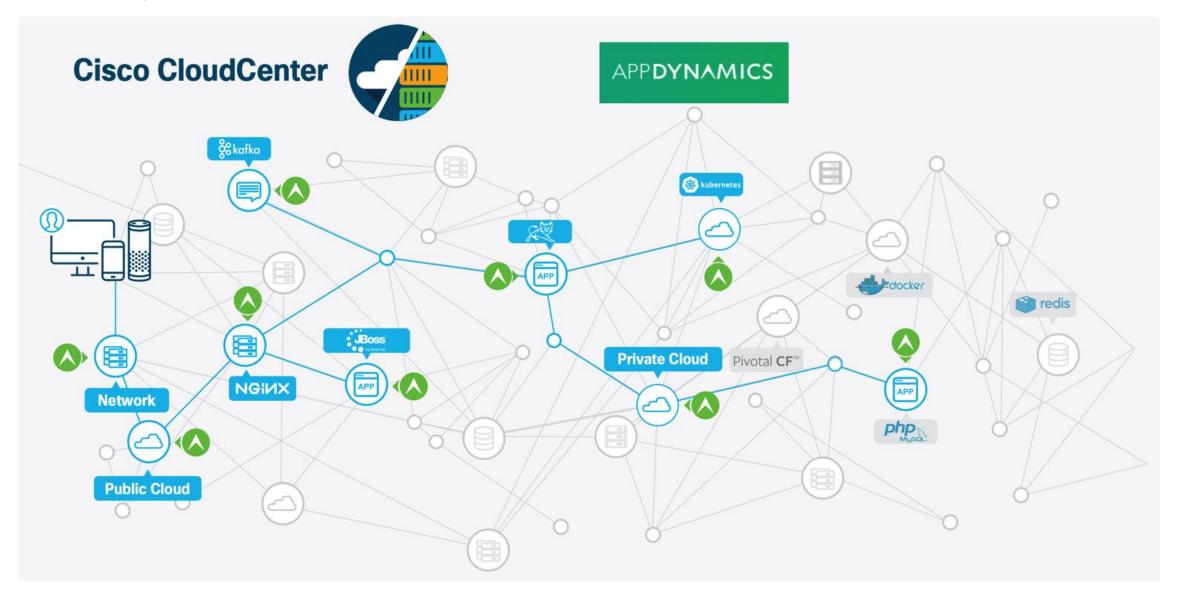
Visualize – All application components, dependencies and connections instantly, in one user interface

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

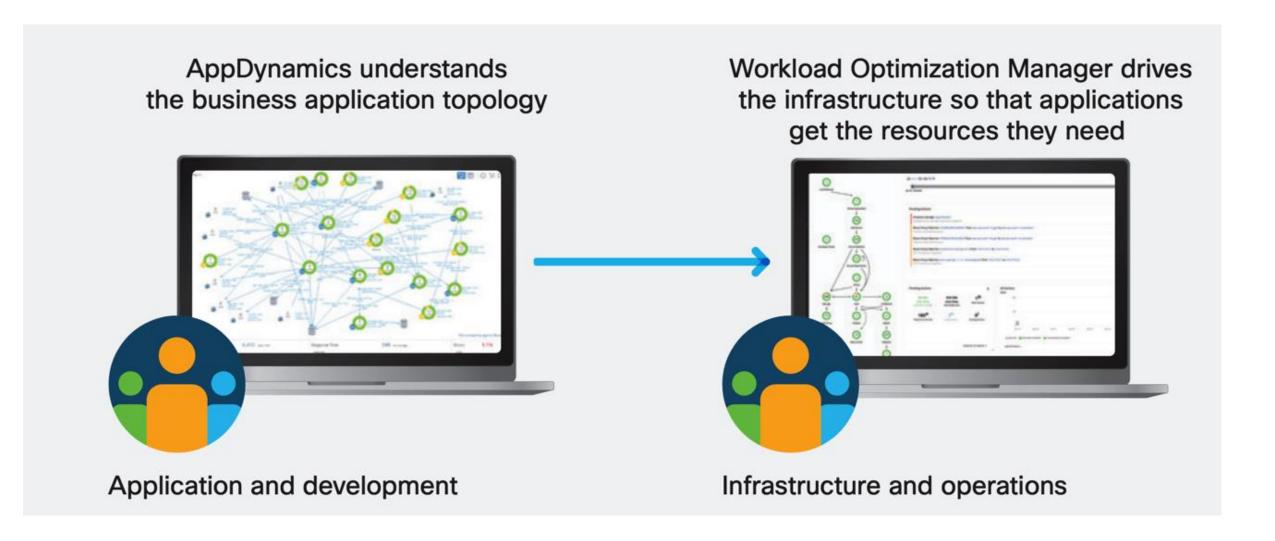
Know – That every alert is business relevant and needs to be acted upon Understand – The root-cause of application performance issues down to the code level



AppDynamics and Cloud Center

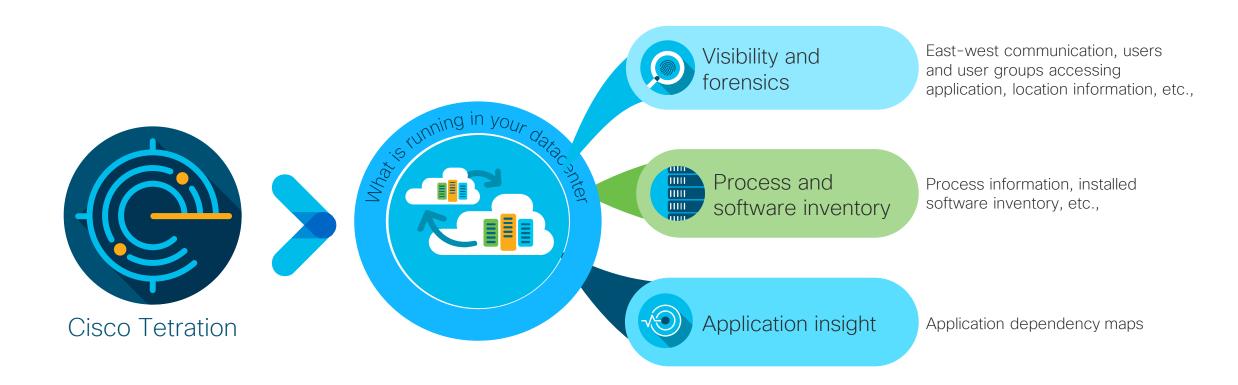


AppDynamics and CWOM



Cisco Tetration

Cisco Tetration Understand what's running in your datacenter



Cisco Tetration Identify anomalous behavior deviations



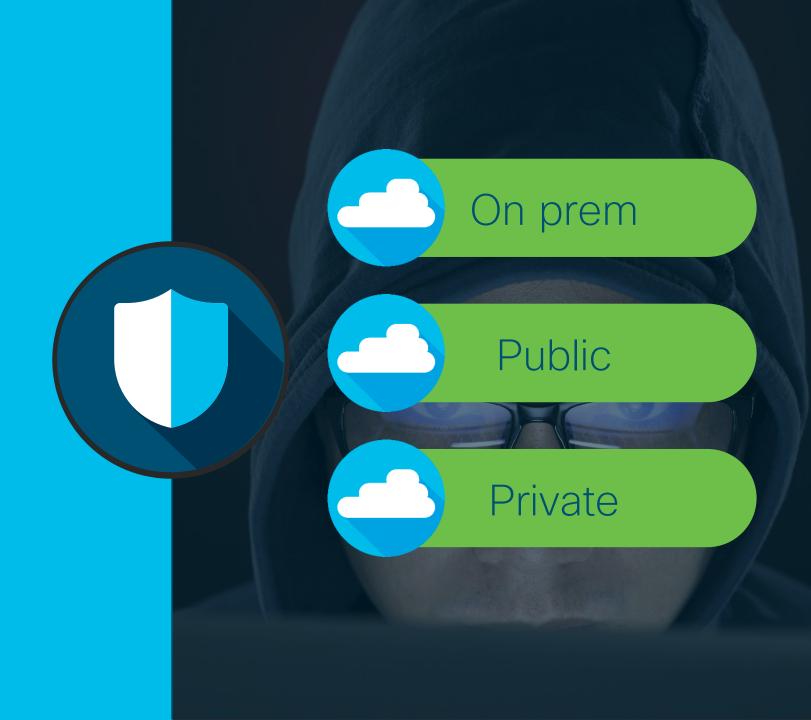
Cisco Security



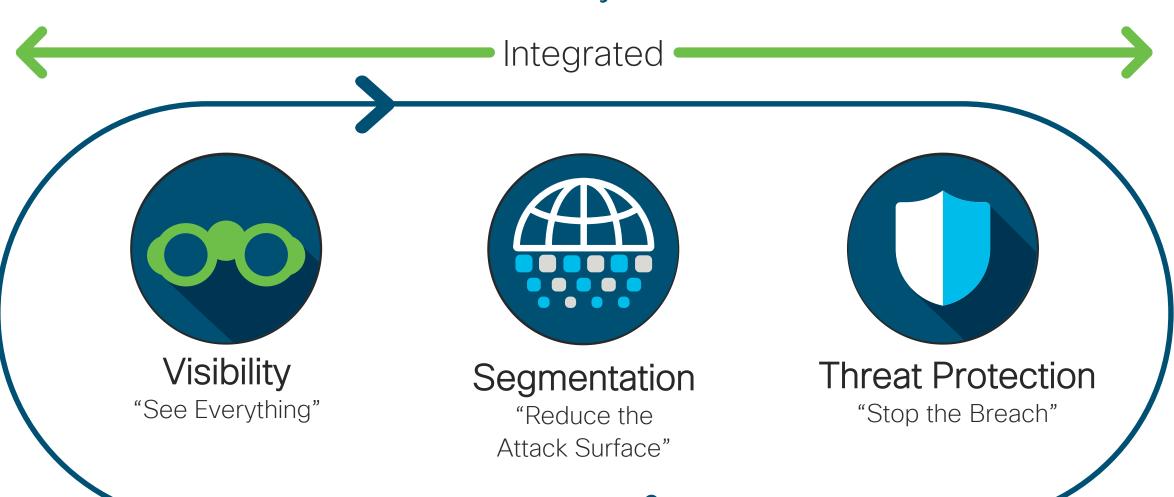


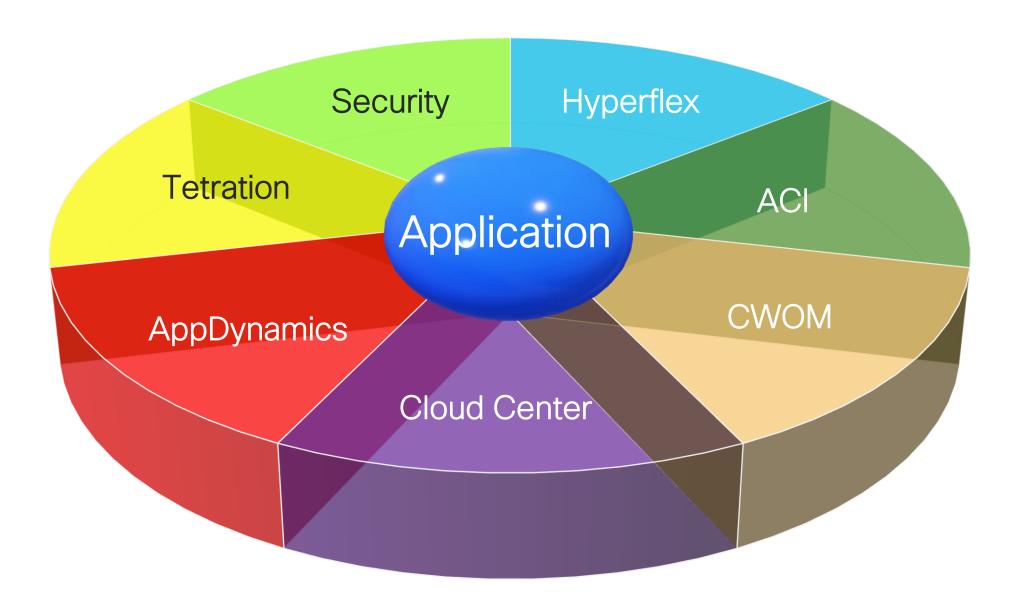


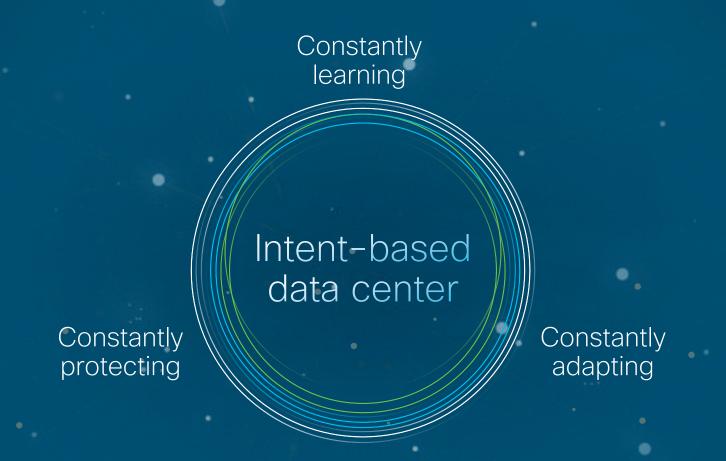
Protect the workload everywhere



Cisco Data Center Security









THANK YOU

