



Parallel World of Cloud Native

Cloud Native Full Stack



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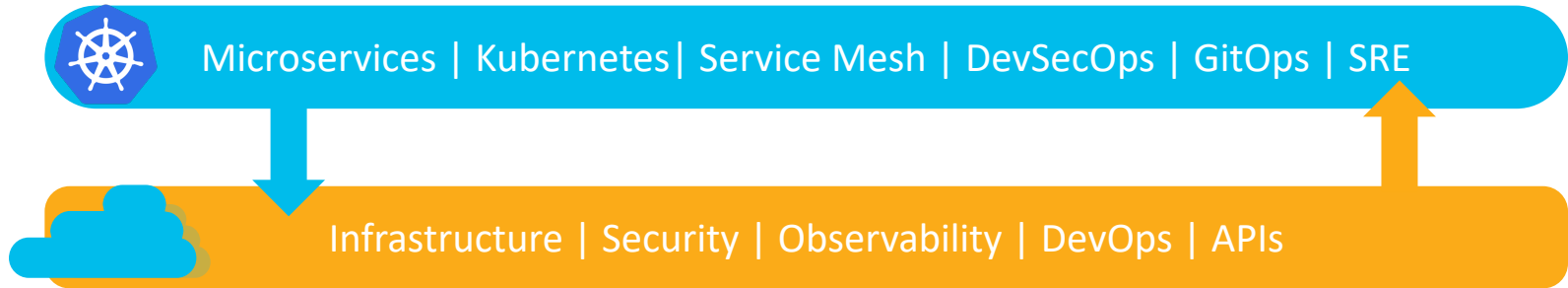
April 21

QUESTION: What do you present following one of these vendors?

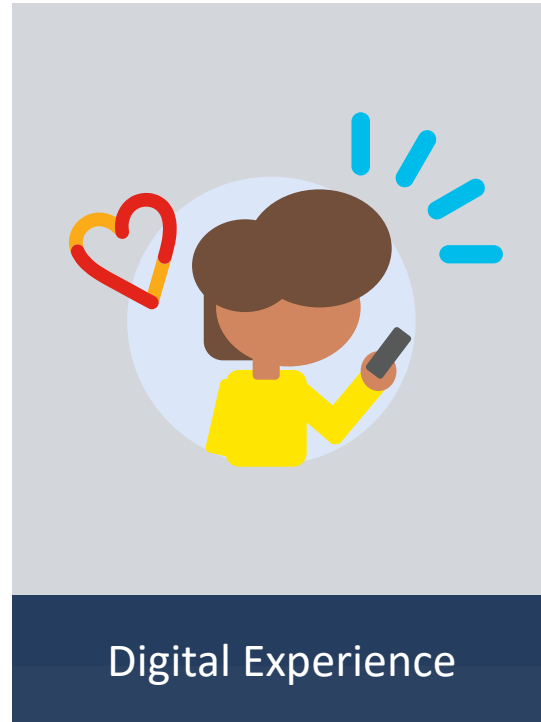
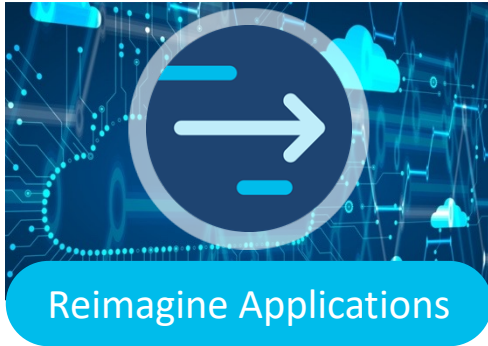


ANSWER: Cloud Native

Cloud vs. Cloud Native



Cloud Priorities

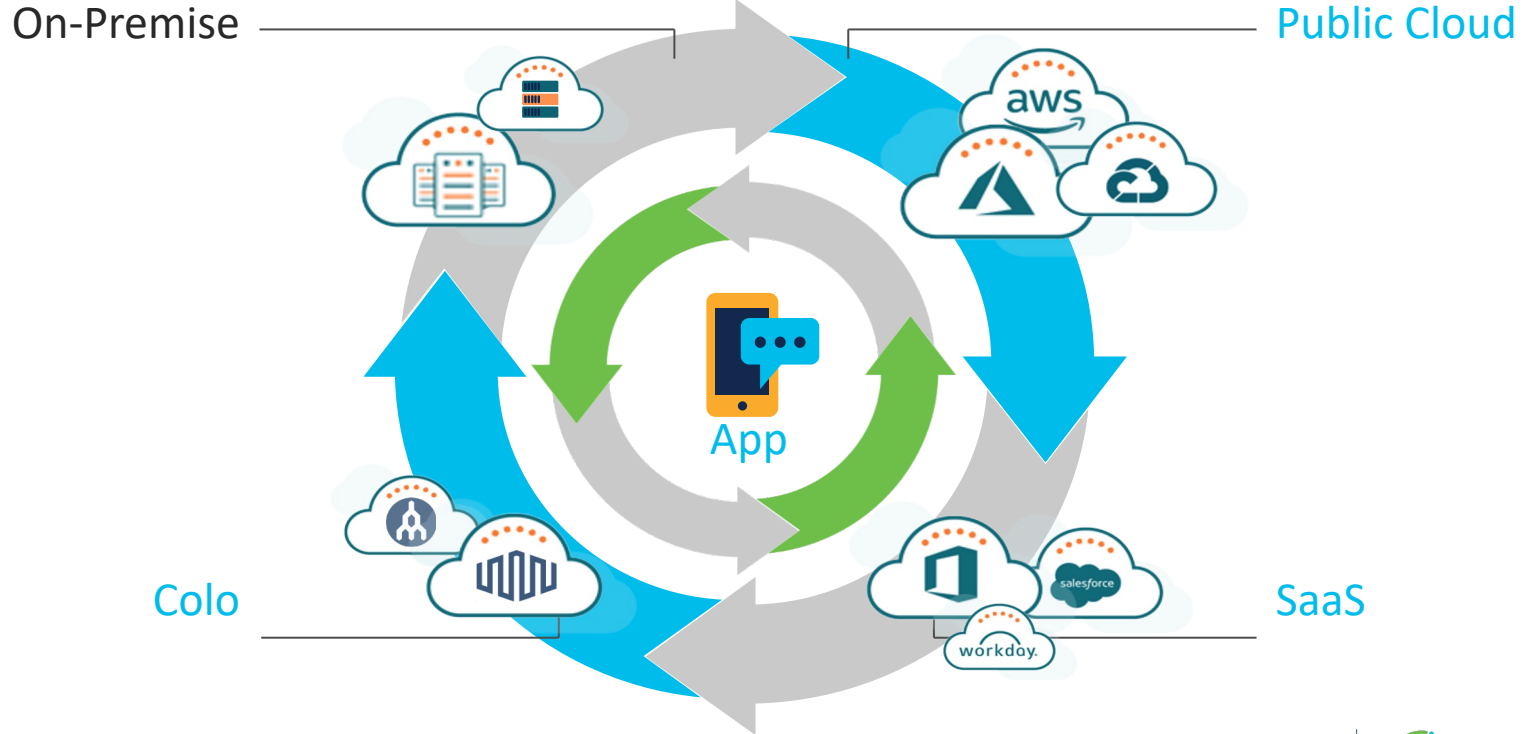


A spectrum of motions

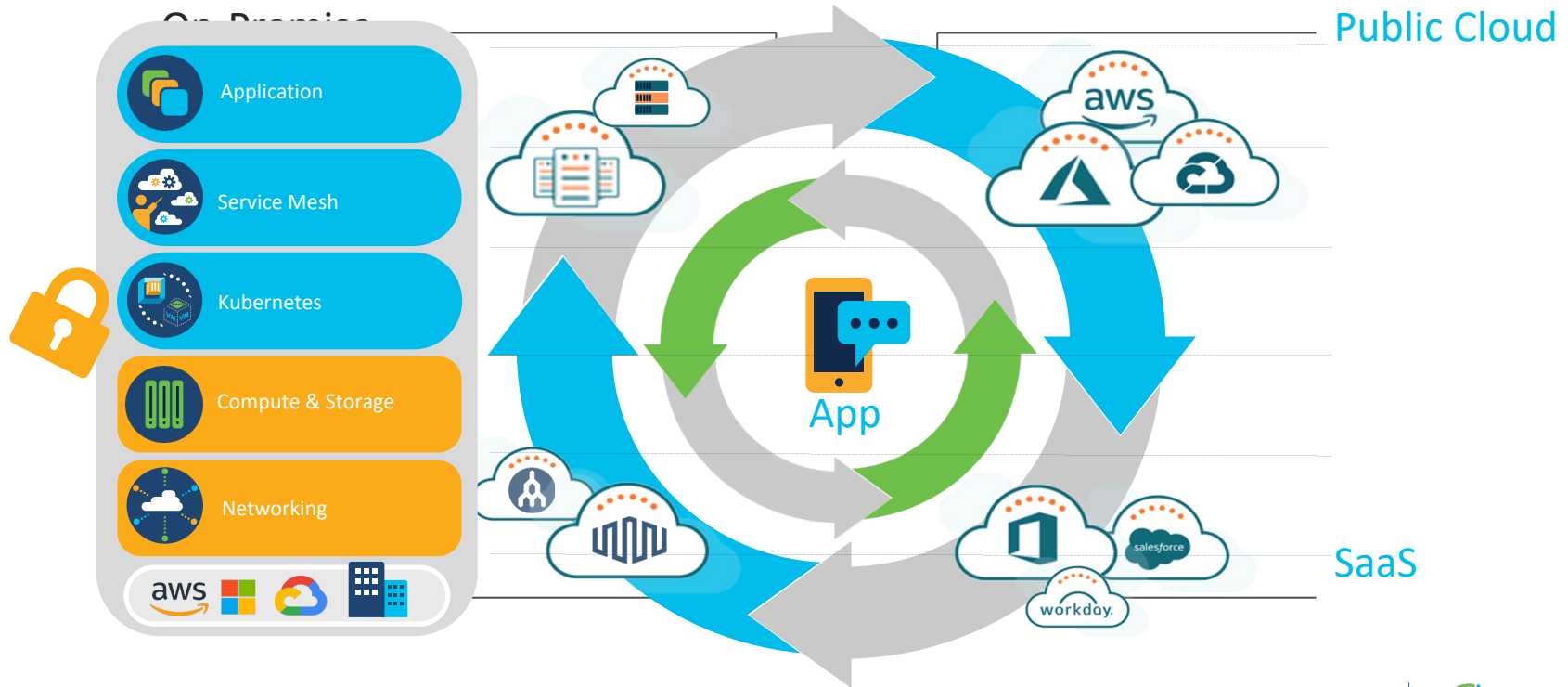


- Organic Multicloud & Superclouds
- Service Mesh Significance
- Shift Left Security

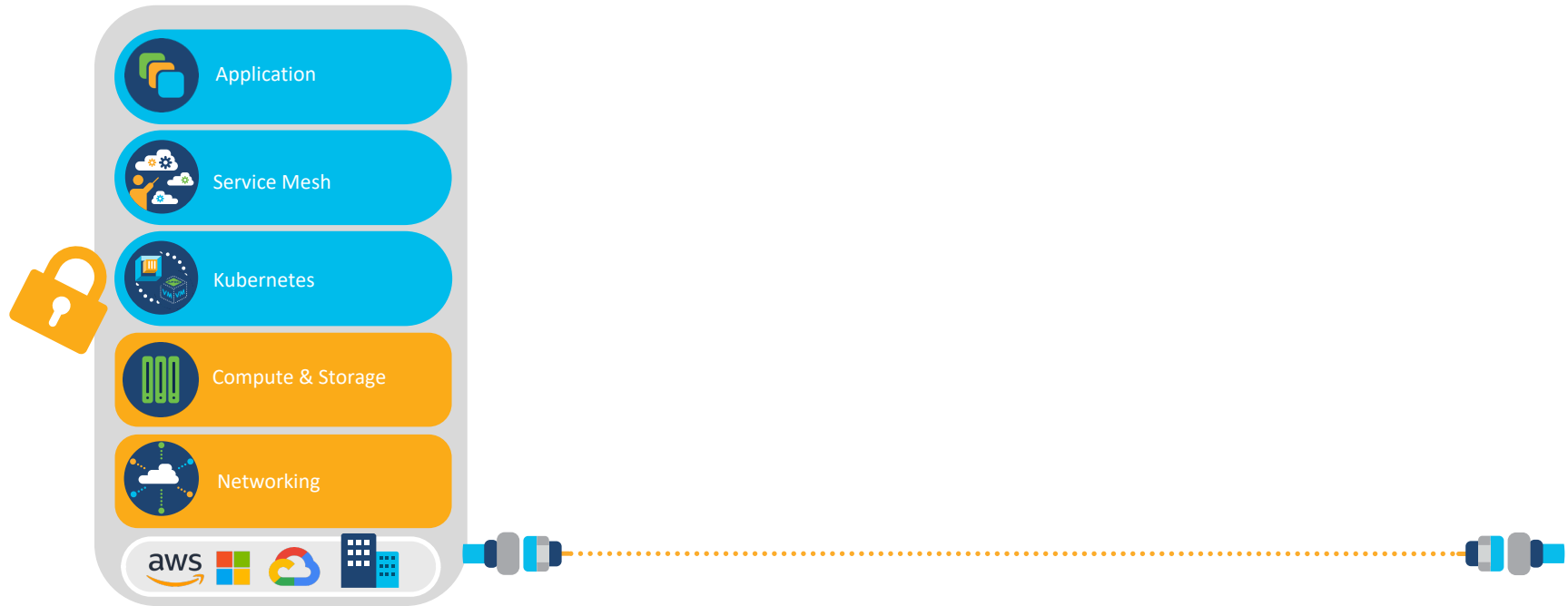
Multicloud



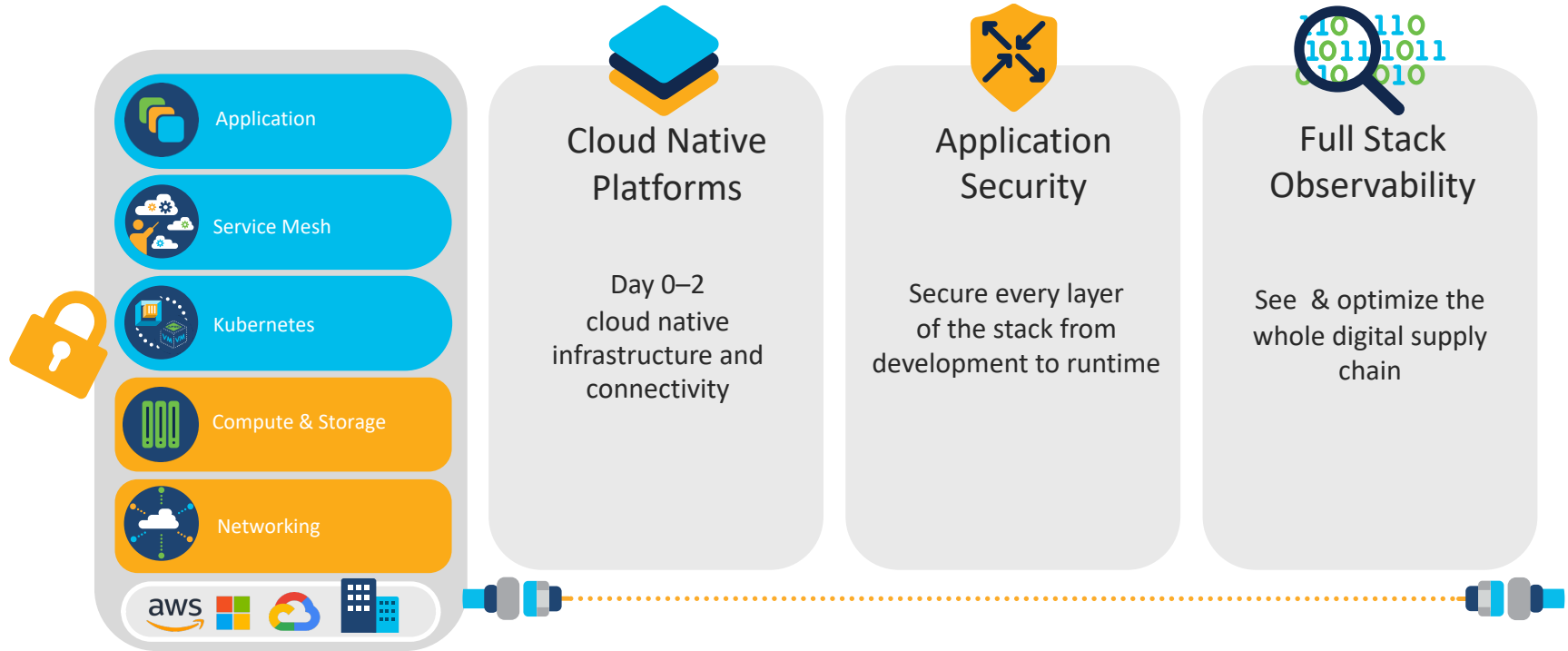
The Cloud Stack



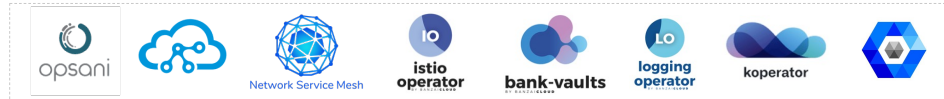
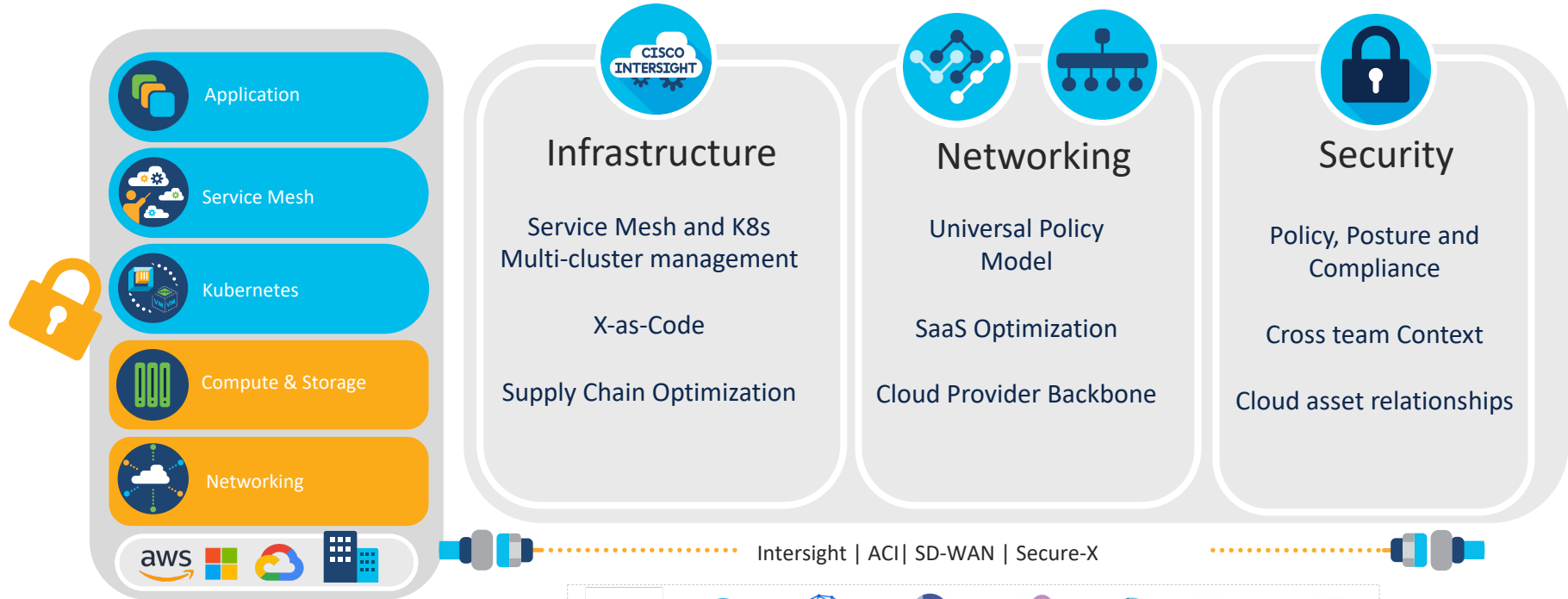
The CISCO Cloud Stack



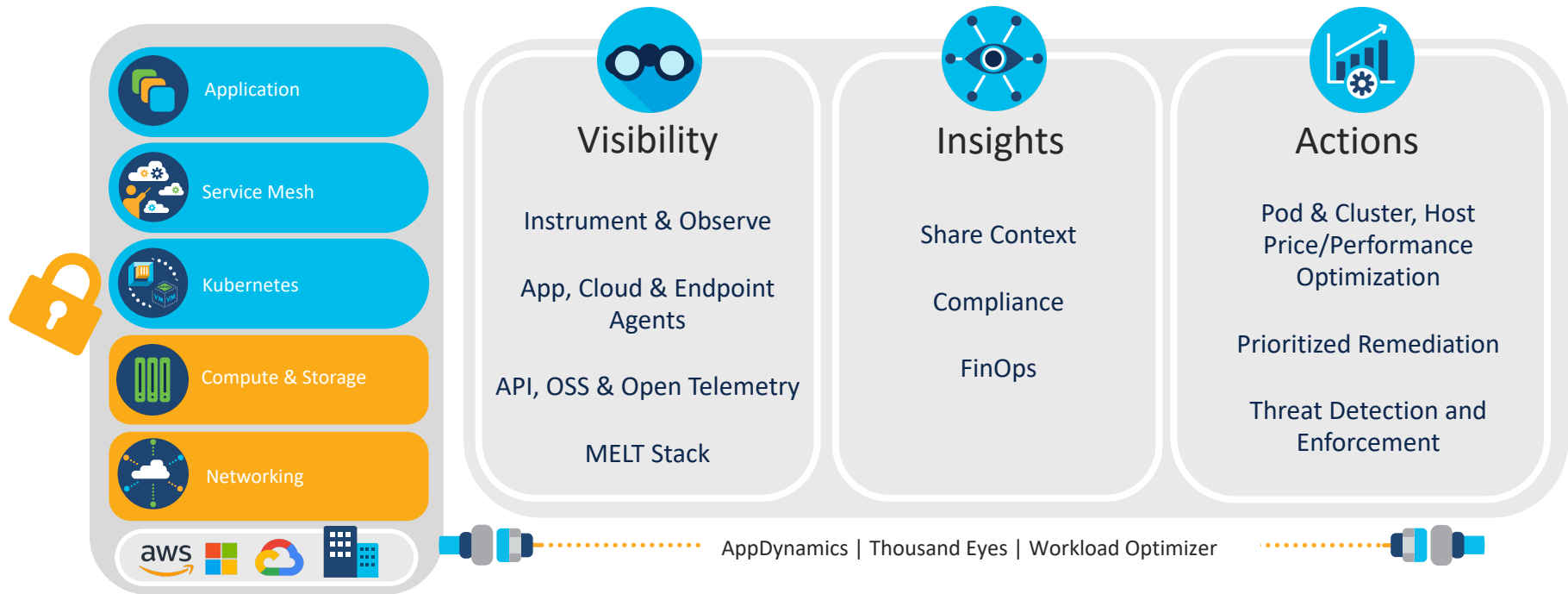
The CISCO Cloud Stack



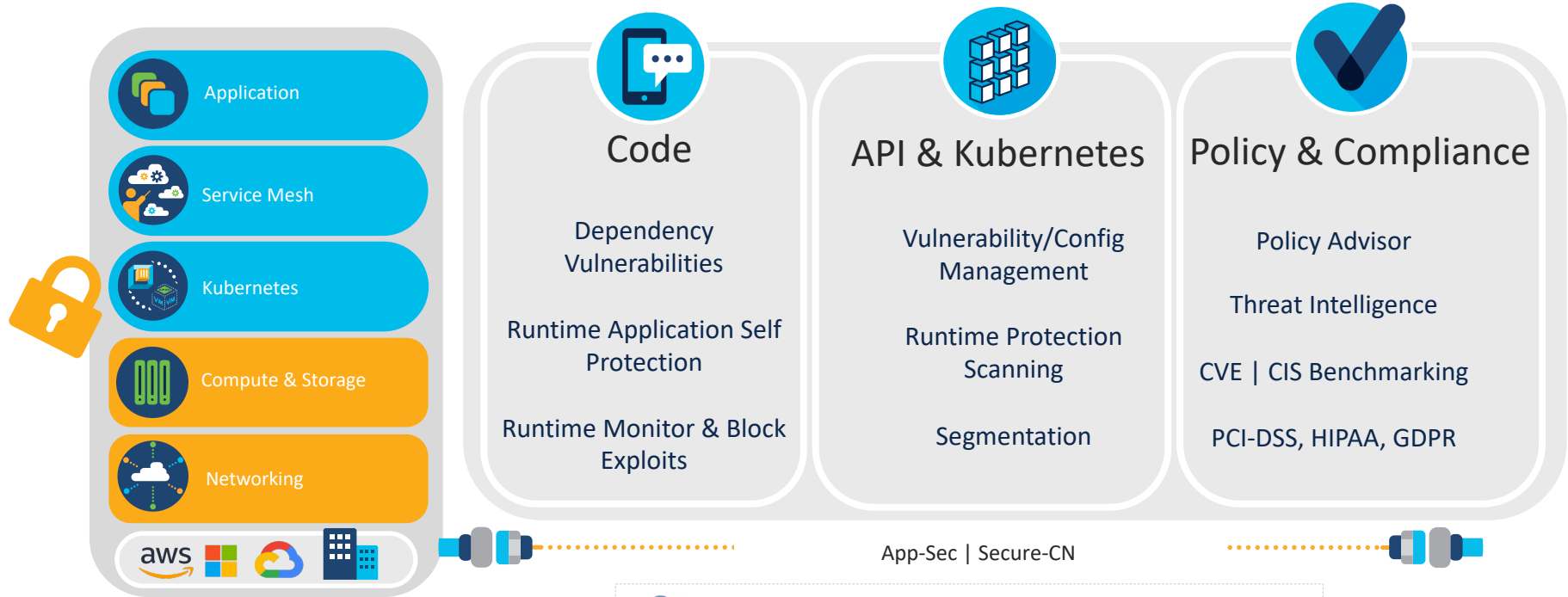
Cloud Native Platforms



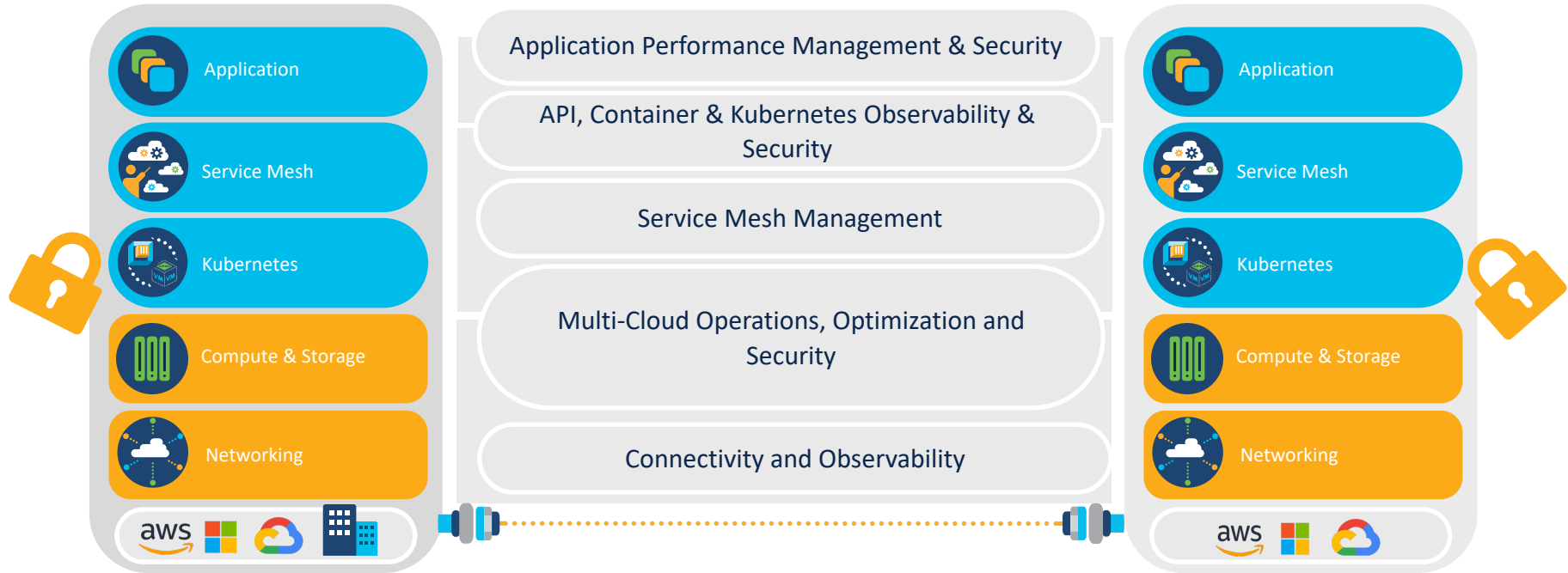
Full Stack Observability



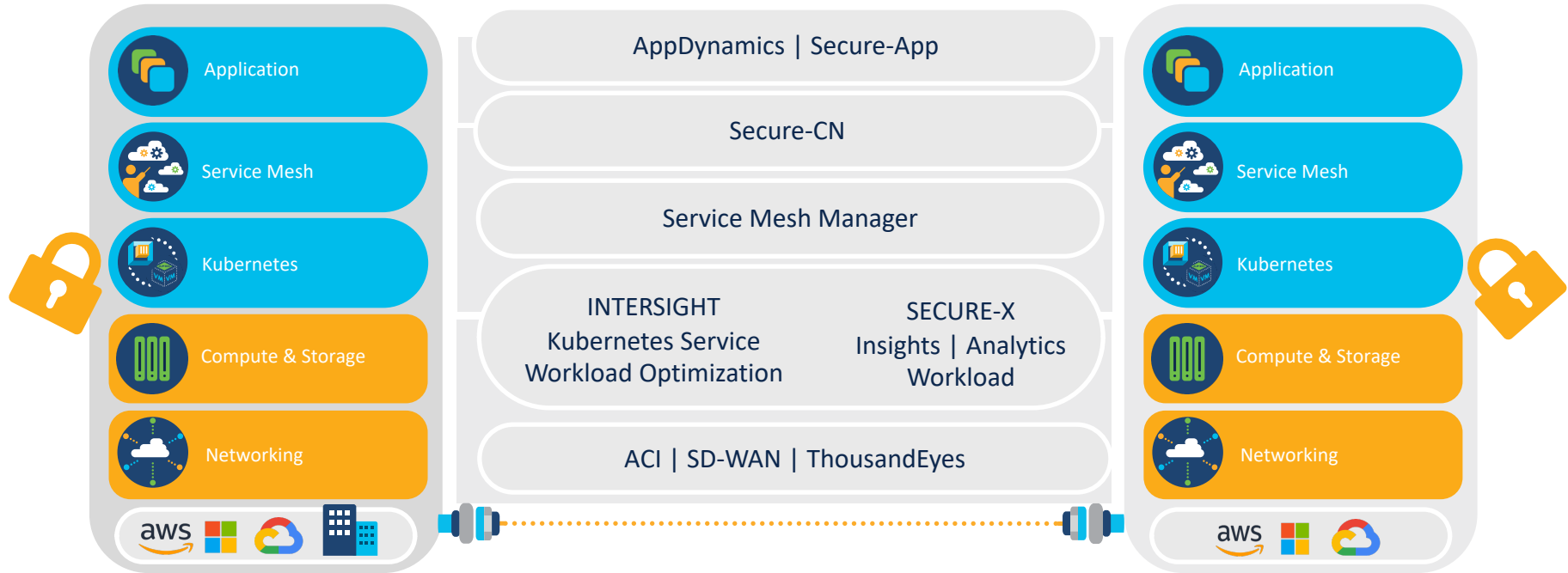
Application Security



Customer Problems

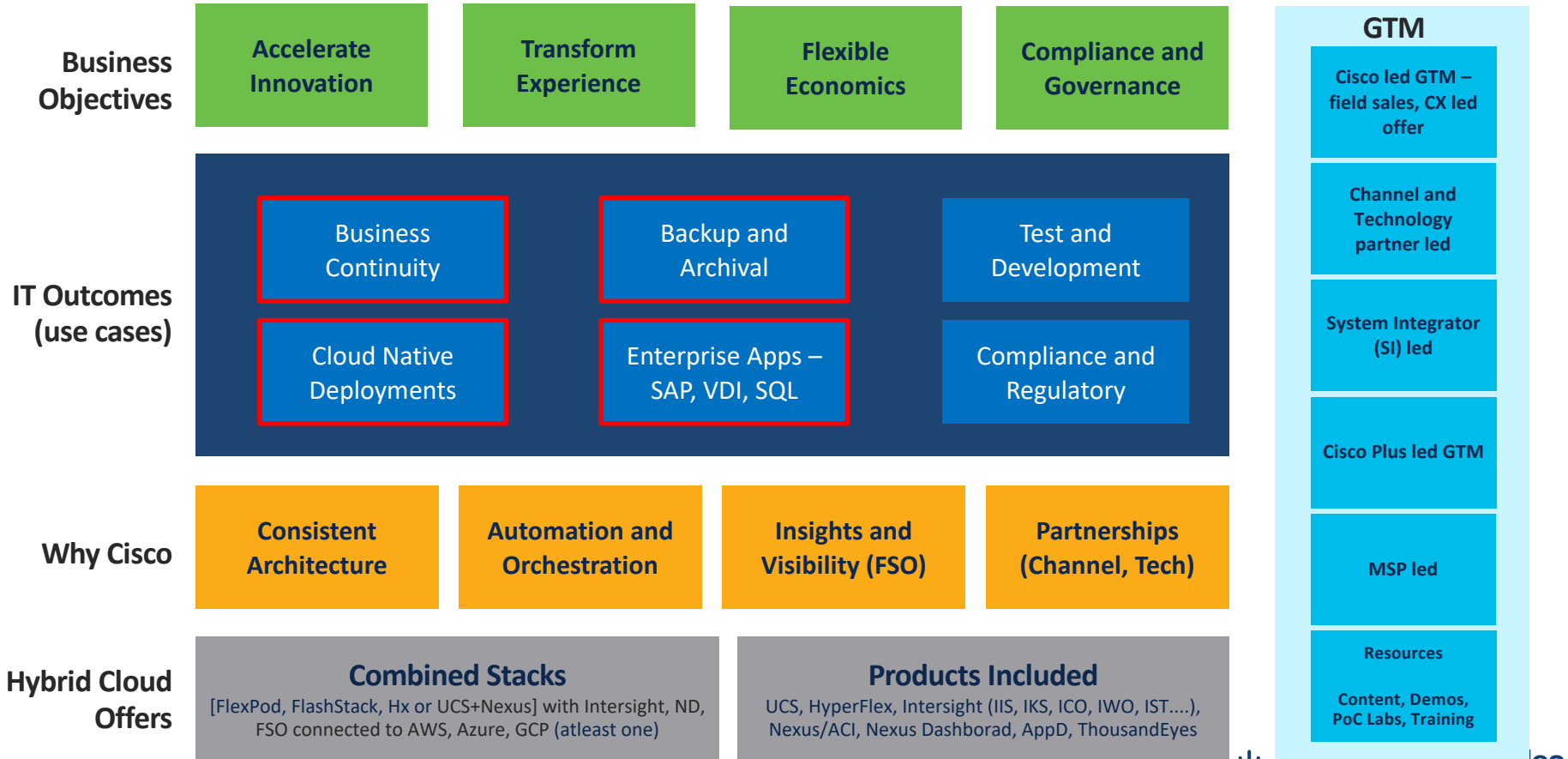


Cisco Solutions



Cisco Hybrid Cloud Solution

Key: Priority



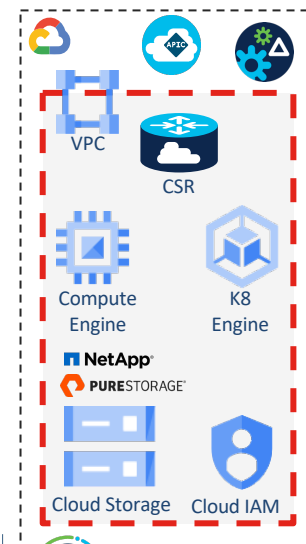
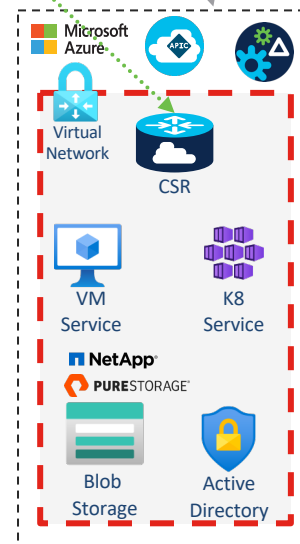
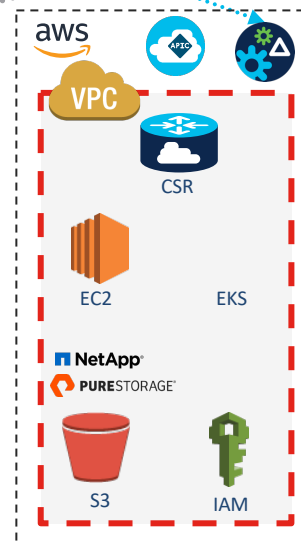
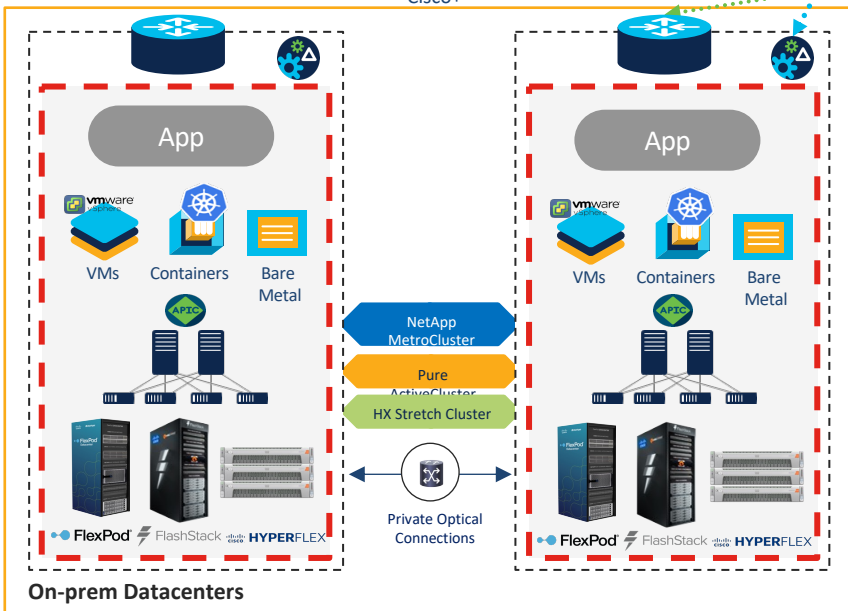
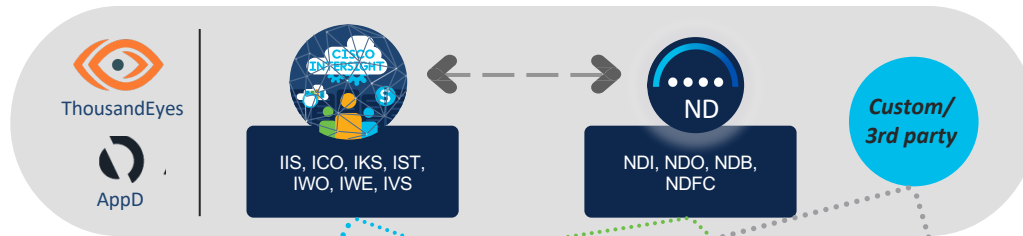
Global Sales
ENABLEMENT TEAM

Cisco Hybrid Cloud Architecture

Foundation for Efficient IT

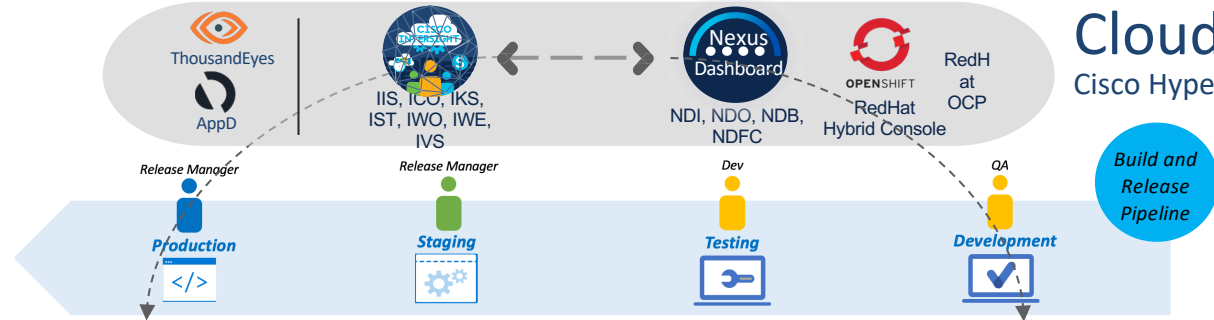


Deployment
Templates

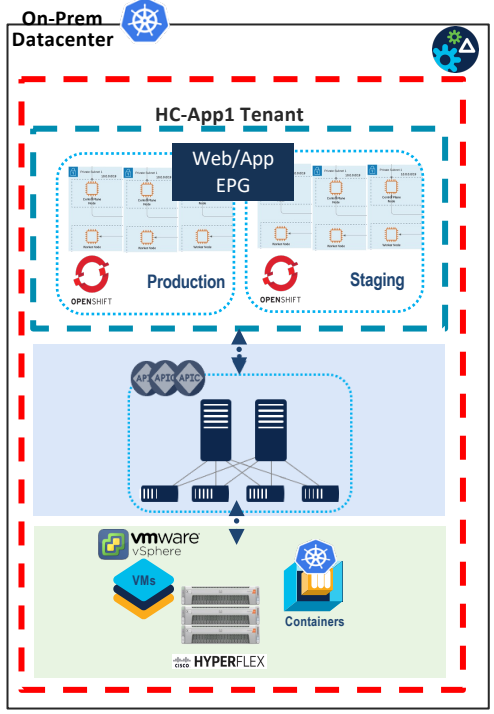


Cloud Native Solution

Cisco HyperFlex with AWS

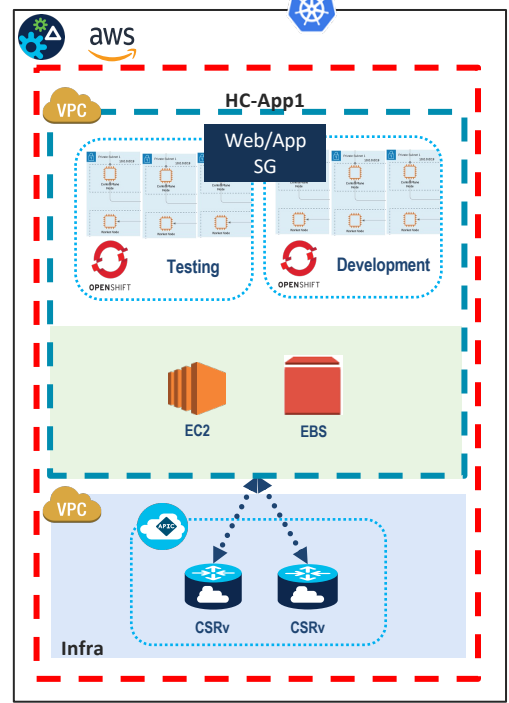


Build and Release Pipeline



Workload Anywhere
Consistent, Management

Consistent network architecture – secure & automated



Solution Overview

Provide a programmable, consistent, easy to manage and secure infrastructure for various cloud native applications and workloads.

Solution Benefits

- RedHat OpenShift Container Platform (OCP) with Hybrid Cloud Console provides unified management and deployment of Kubernetes (K8S) clusters and workloads anywhere in a hybrid cloud deployment
- HyperFlex provides the compute/storage resources on-prem with AWS resources in the public cloud
- Nexus Dashboard and ACI provide a consistent secure network by extending on-prem application constructs (EPGs) to cloud-native constructs (AWS – Security Groups)
- Cisco Intersight services such as IIS, IST, Nexus Dashboard Insights and Thousand Eyes provide infrastructure insights and visibility

Hybrid Cloud Use-cases



Business Continuity

Building higher resiliency (HA, DR) that leverages Cloud in conjunction with OnPrem



Backup and Archival

Data replication and archiving to the cloud to recover if a need arises



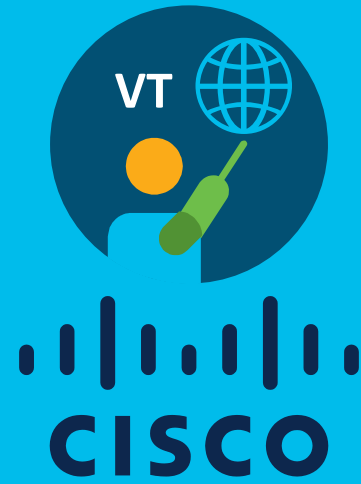
Cloud Native Deployment

End-to-end container lifecycle management across on-prem and public cloud



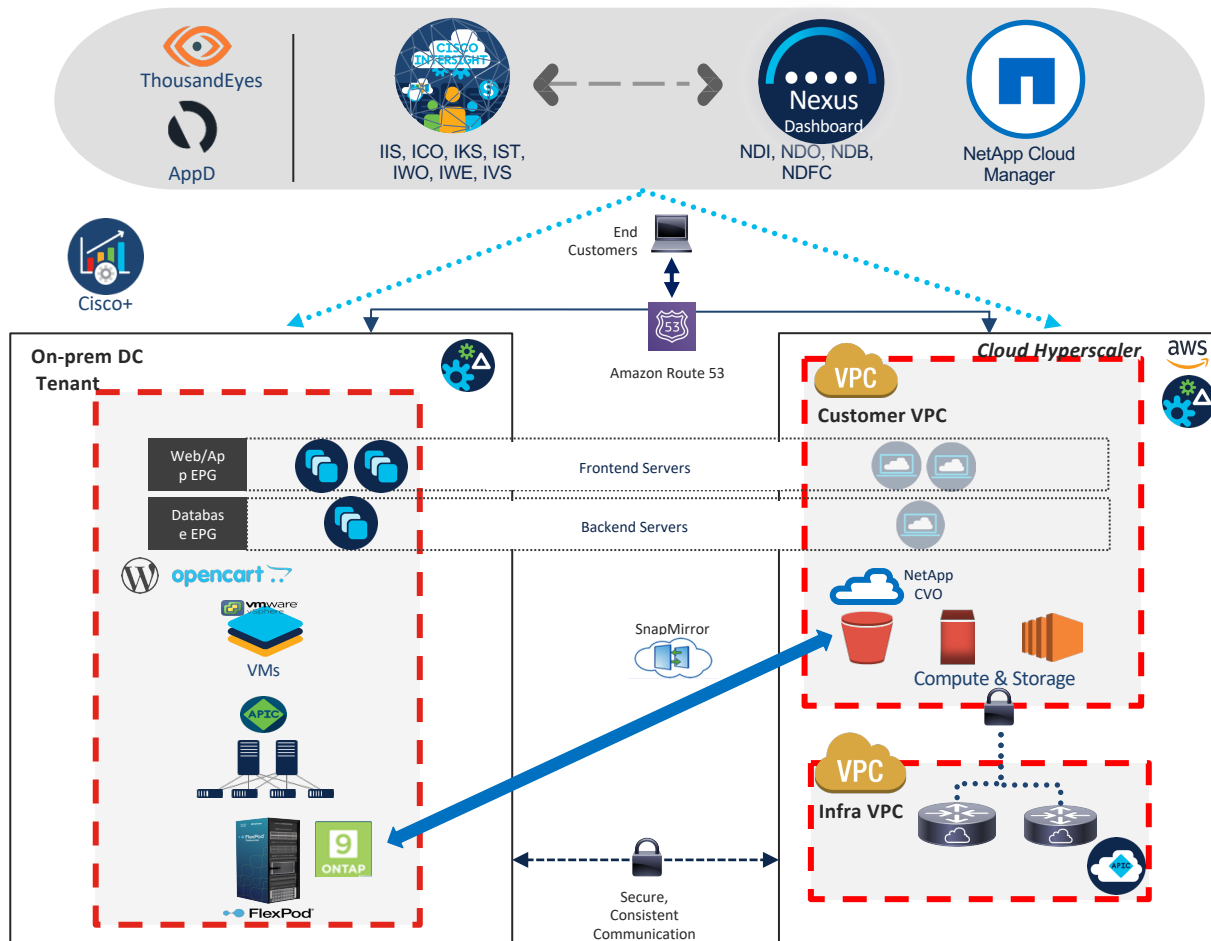
Enterprise Application (SAP, VDI, SQL, Oracle)

Agile application test and development and business continuity in a hybrid environment



Hybrid Cloud Business Continuity (1/2)

FlexPod Datacenter with Cisco ACI connected to AWS



Solution Overview

Provide a programmable, consistent, easy to manage and secure infrastructure for various BC options such as Backup, Pilot Light, Warm standby, Active-Active and cloud bursting

Solution Benefits

- ACI anywhere and Nexus Dashboard provide a consistent secure network by extending on-prem application constructs (EPGs) to the cloud
- NetApp CVO provides application data replication to the cloud and takes advantage of lower the data cost
- Amazon Route 53 is utilized to provide active-standby or active-active application connectivity between on-prem and cloud
- Cisco Intersight and its various services such as IIS, ICO and IST are used to orchestrate app, network, compute and storage
- NDI and thousand eyes provide infrastructure insights

Hybrid Cloud Business Continuity 2/2

FlexPod Datacenter with Cisco ACI connected to AWS

