



Cisco Cloud Strategy

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277X

Data created by IoE devices v. end-user

30M

New devices connected every week

180B

Mobile apps downloaded in 2015

78%

Workloads processed in Cloud DCs by 2018

5TB+

of data per person by 2020

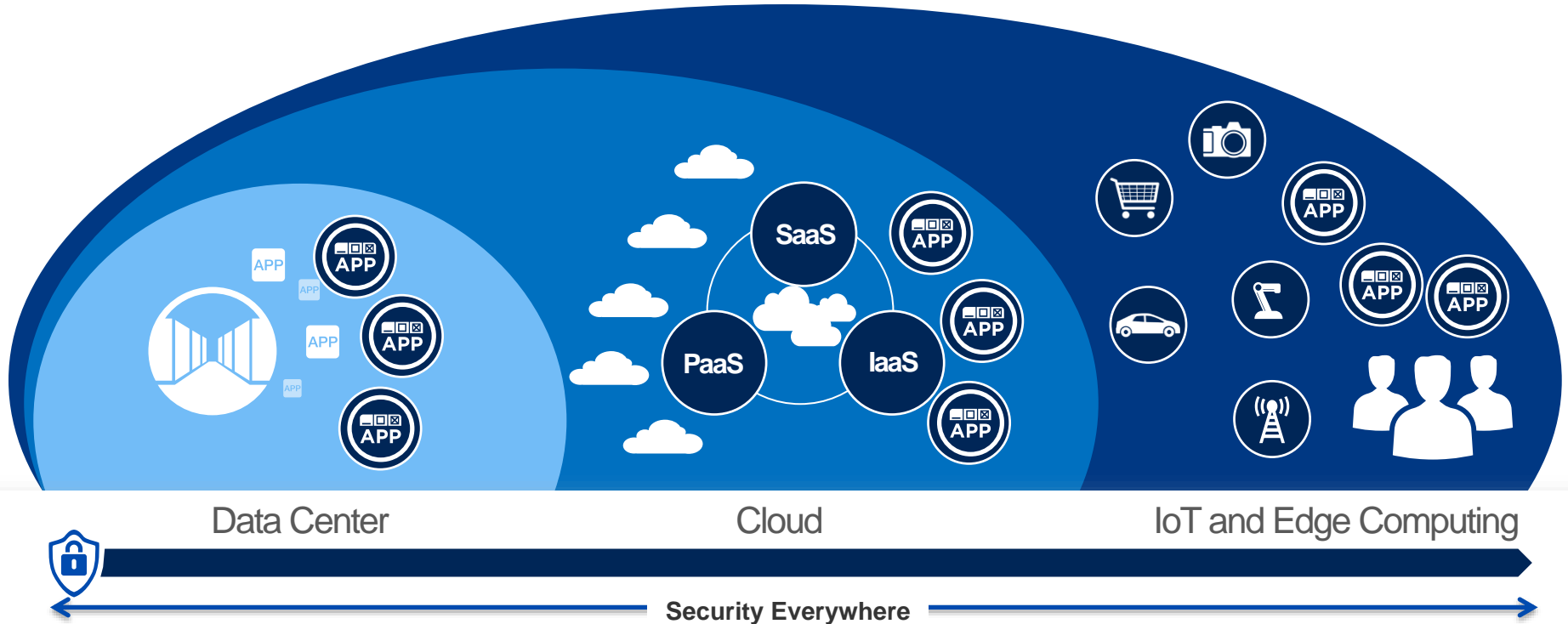
50B

Things connected by 2020

Hyper Explosion of Applications & Data



Hyper-Distribution of Applications and Data



New Approach to Reach and Analyze Data

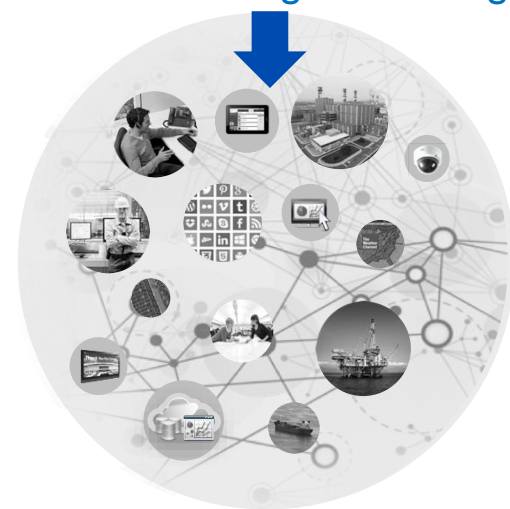
Structured Data



Unstructured Data



Data Streaming at the Edge



Analytics 1.0

Days/Hours

Analytics 2.0

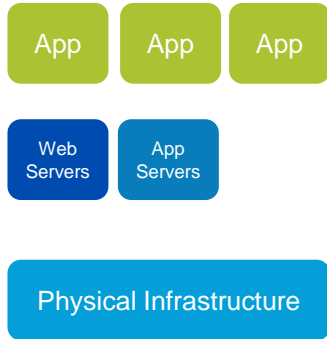
Hours/Minutes/Seconds

Analytics 3.0

Seconds/Milliseconds

New Approach for Application Development

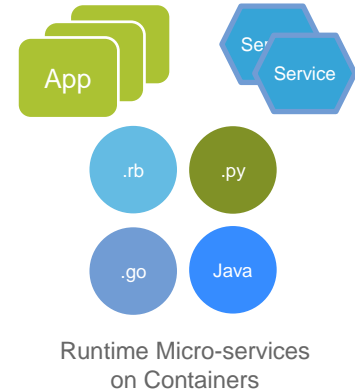
Existing IT



Cloud-Enabled



Cloud-Native (Containers)



In words: Cisco Cloud Strategy

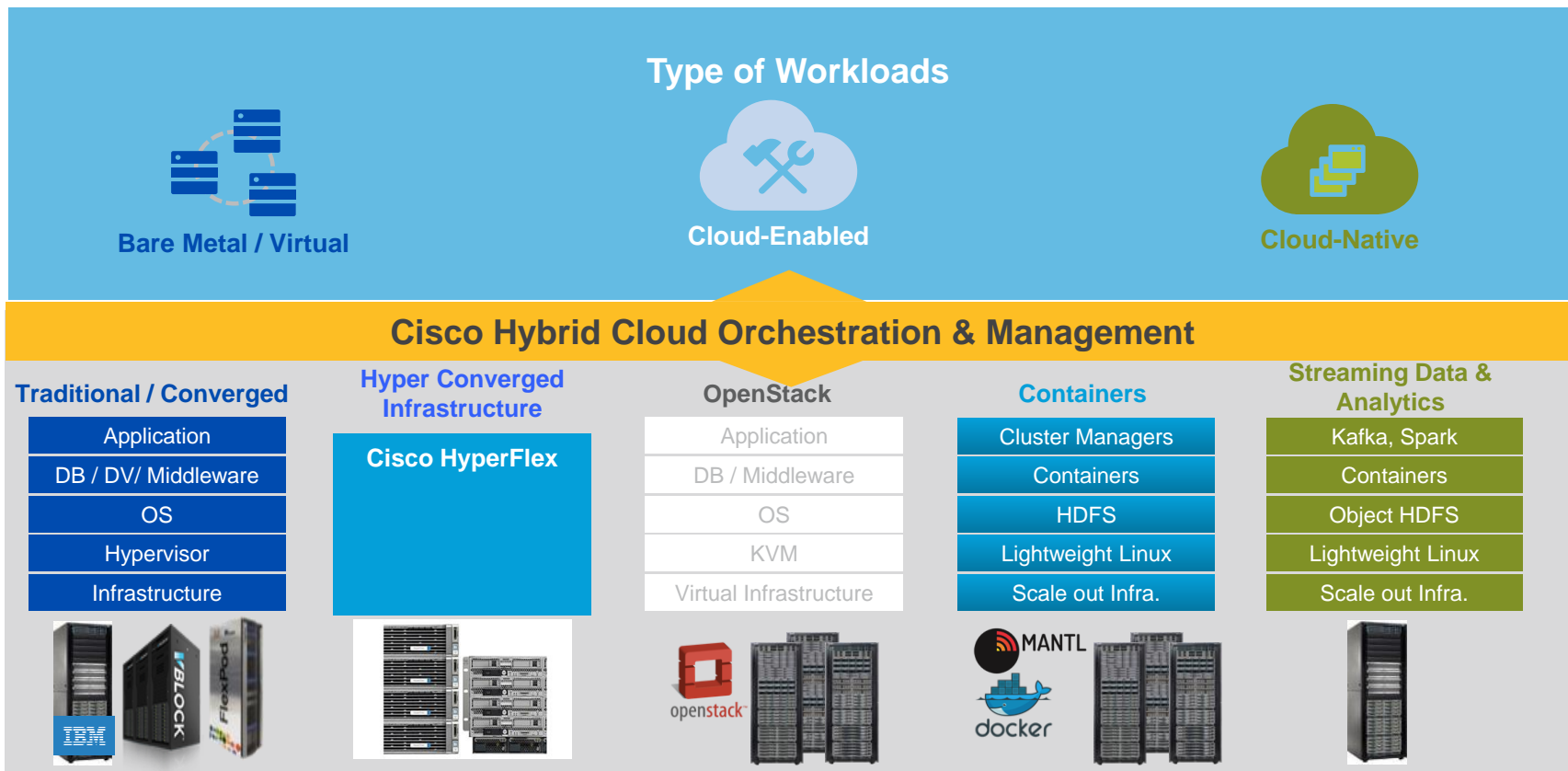
1. Cisco delivers XaaS via Cisco Partner
2. Cloud Infrastructure Stacks
3. Multi Cloud Orchestration
4. Platform as a Service
5. Cisco Cloud Services
6. Cisco IoT Software Stack

Cisco Cloud Strategy – 6 streams

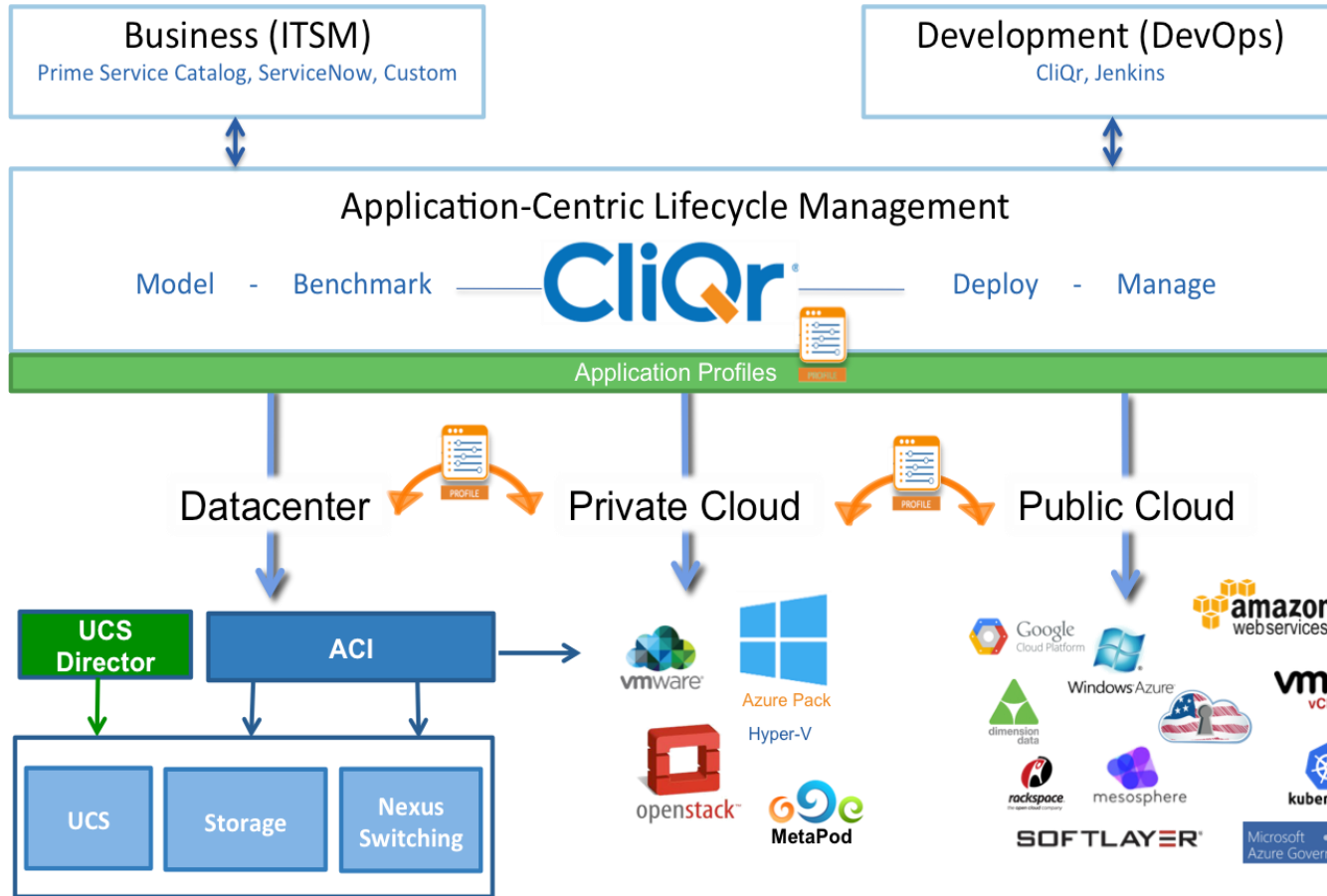
CMSP Partner in Germany



<https://marketplace.cisco.com/cloud>



Multi Cloud Management Platform



Cisco ONE Enterprise Cloud Suite

End User/Developer or Consumer

IT App Designer

Infrastructure Admin

Cloud Operations (3rd-Party Assurance, Resource Mgmt)

Cisco Prime™ Service Catalog Self-Service Portal

Cisco CloudCenter

Cisco UCS Performance Manager

Cisco Energy Mgmt

Integrated Infrastructure Management Cisco UCS® Director

Cisco® Virtual Application Cloud Segmentation



Hybrid Cloud Management Cisco Intercloud Fabric

Multivendor Computing, Network, Storage, and Virtualization



Cisco Platform as a Service Solutions

Eco Partnership



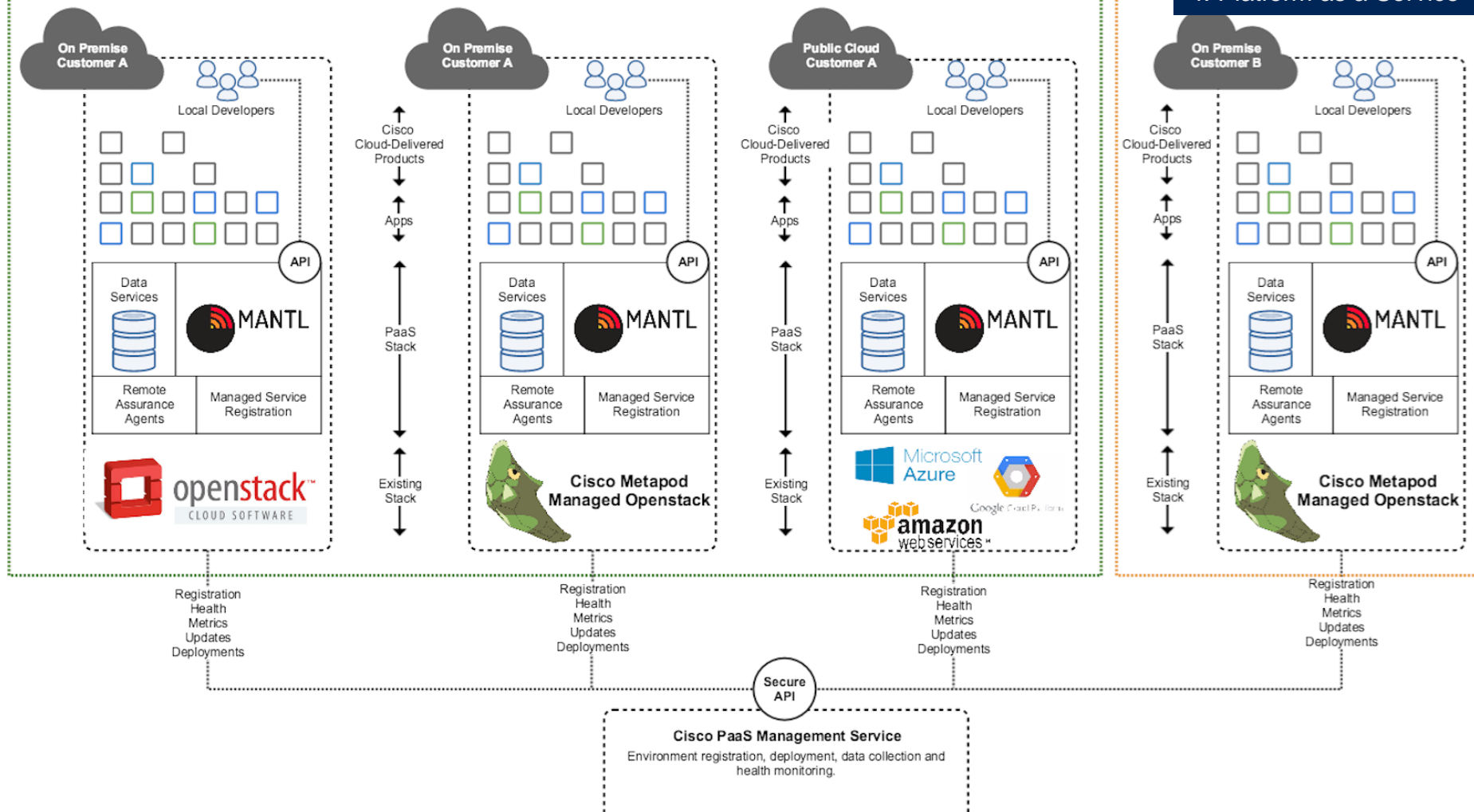
- ✓ Legacy Application and .Net Support with Apprenda
- ✓ Cloud Native Development with Pivotal and Cloud Foundry

Cisco Container Stack

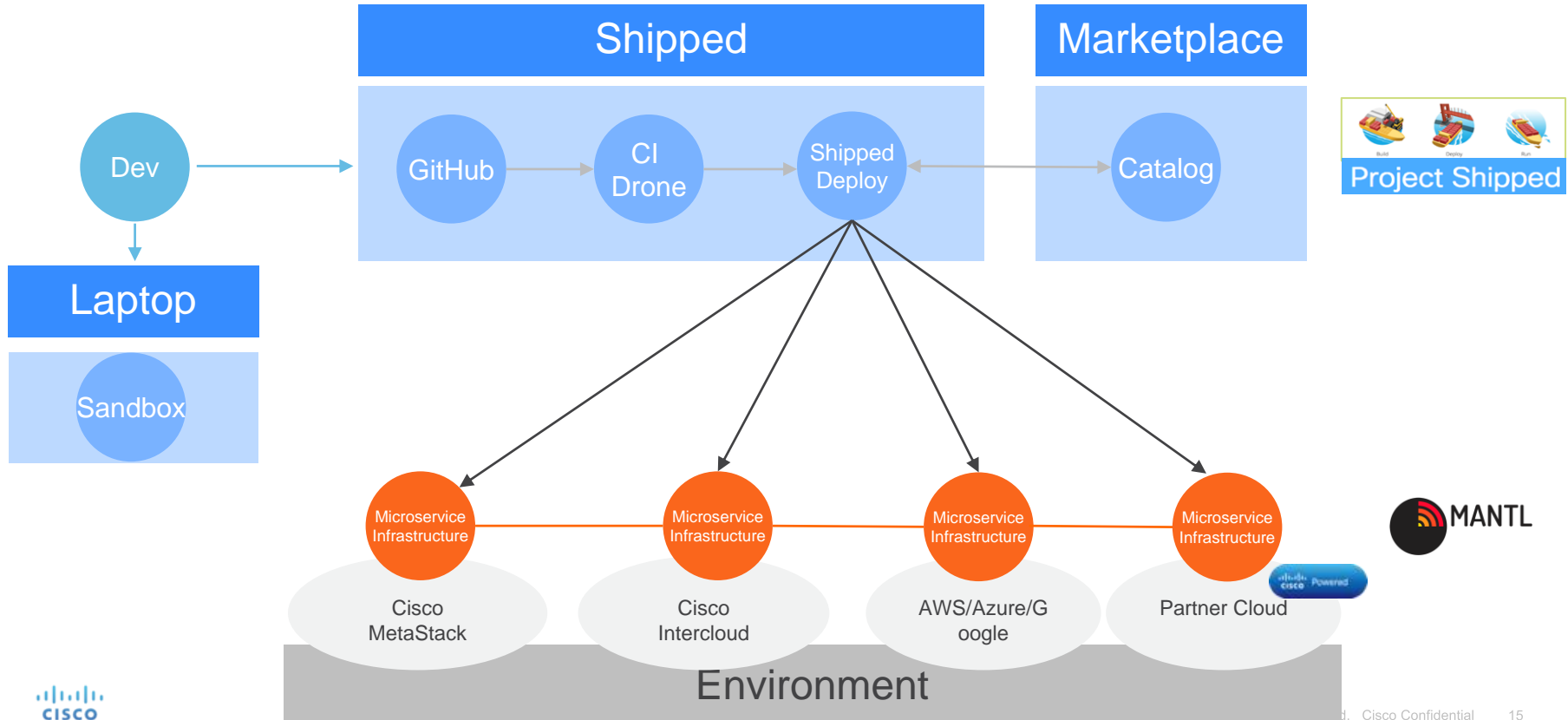


- ✓ Container Management Kubernetes or MESOS
- ✓ Network affinity through Contiv

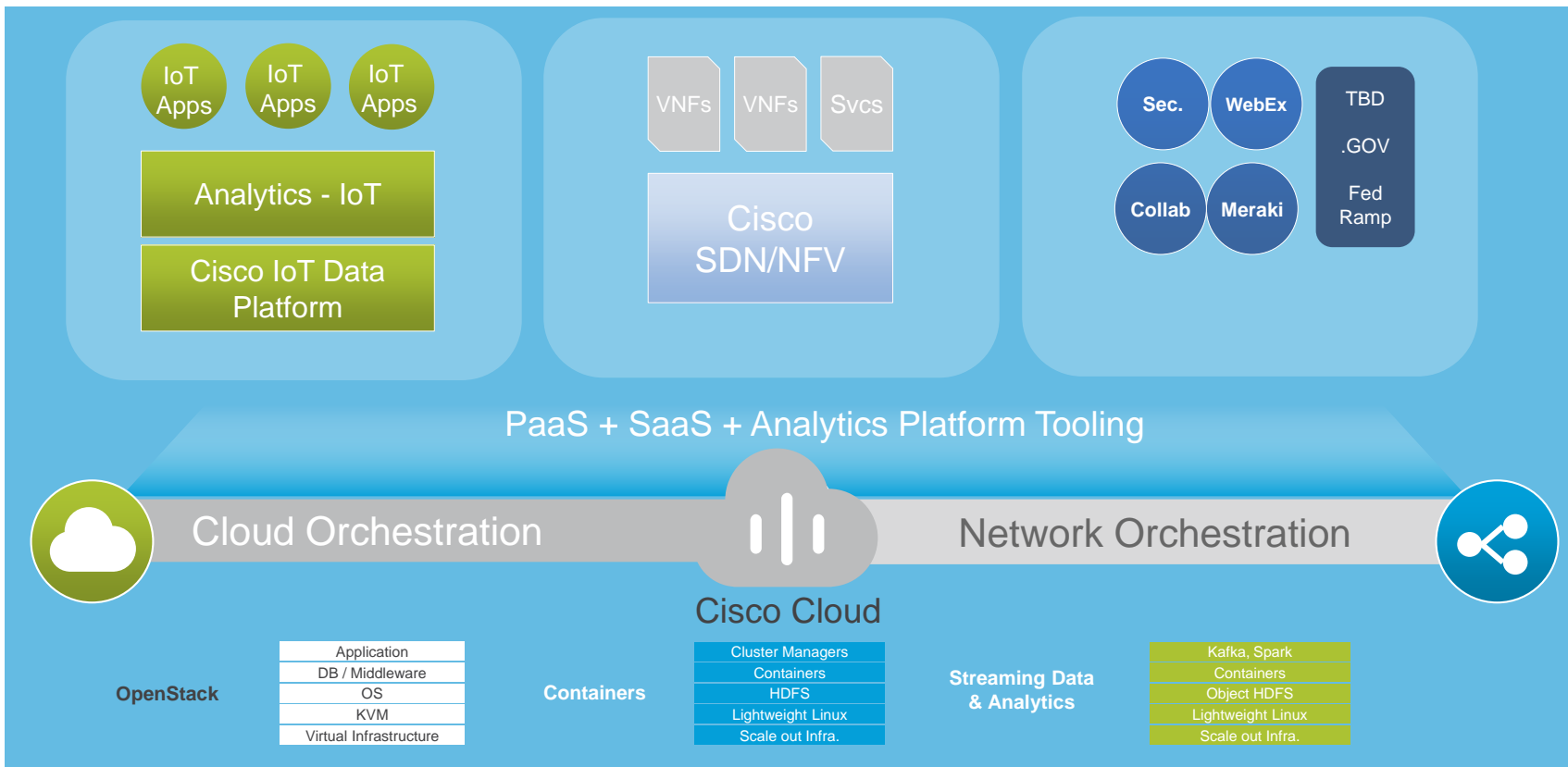
4. Platform as a Service



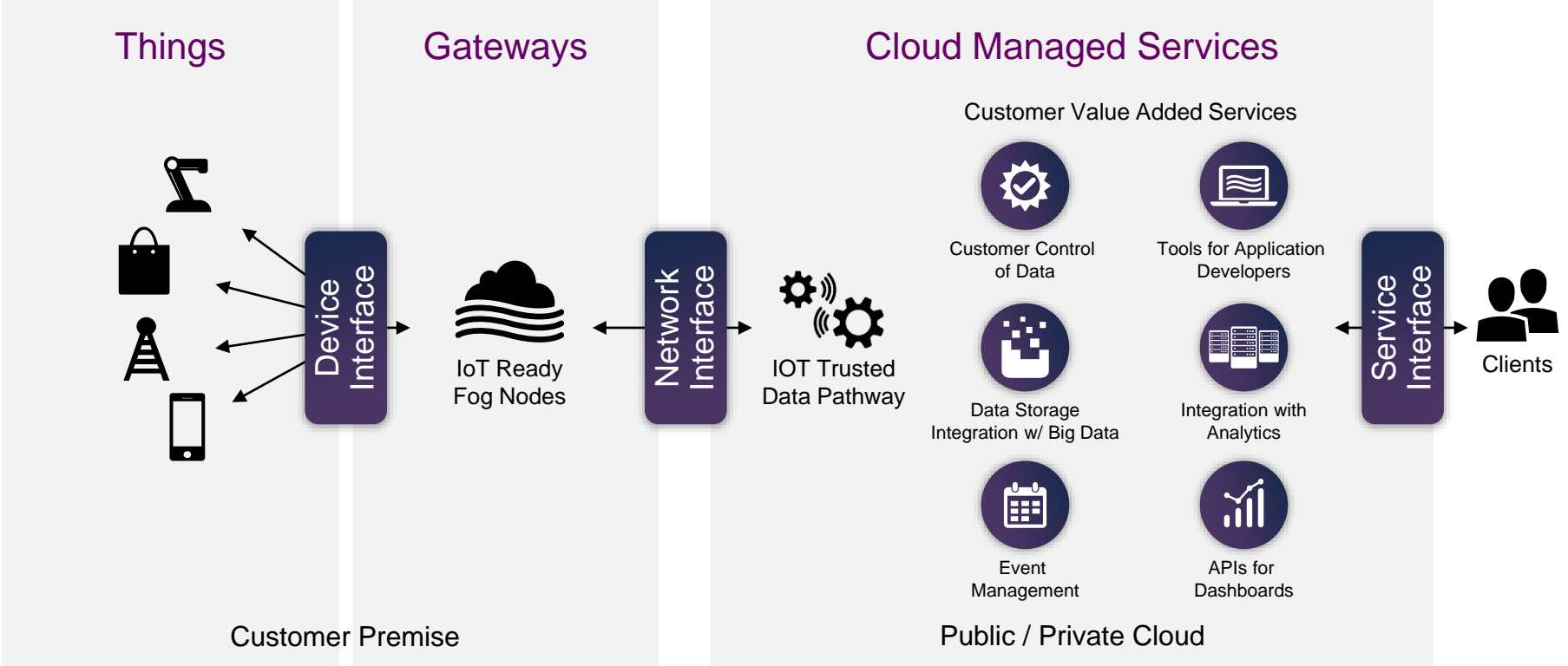
Cloud-native CI/CD View



Cisco Cloud Services



IoT Blueprint



...based on
Policy-Driven-Infrastructure

Why Policy?

POLICY



UCS
Service
Profile

Application
Network
Profile

Security
Profile



Operational
Simplicity



Application
Centricity



Security and
Compliance

Multi-Vendor
Innovation

SIM Cards and Application Profiles

SIM Card Identity for a Phone



Service Profile Identity for Compute

Service Profile

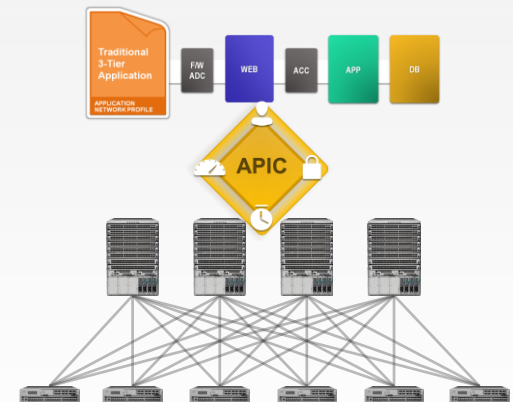
Network Policy

Storage Policy

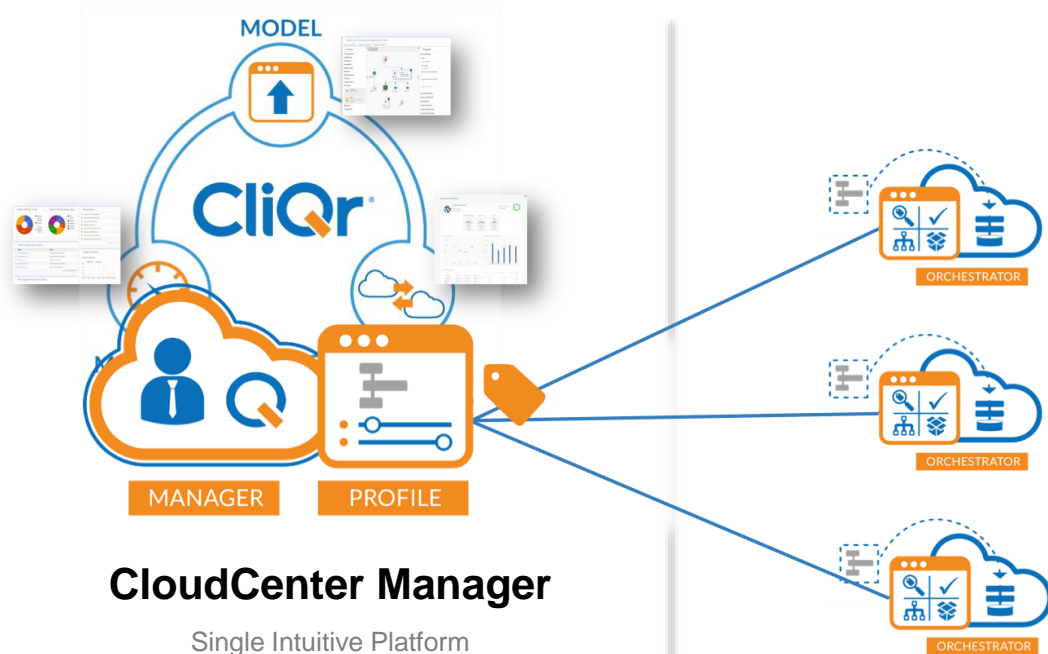
Compute Policy



Application Profile Identity for the Network



Application Profile – Automated Provisioning



CloudCenter Manager

Single Intuitive Platform

CliQr-Hosted SaaS or Onsite Deployment

Full N-Tier Multi-Tenancy

Integrated Security

Highly Scalable Distributed Architecture

CloudCenter Orchestrator

Automated Provisioning and Deployment

Native, No Overhead

Summary

Cisco Cloud Reference Architecture

Software-as-a-Service



Cisco Cloud Services

Platform-as-a-Service /
Container Stacks



Cisco and Partner PaaS
Cisco Container Stacks

Cloud Management

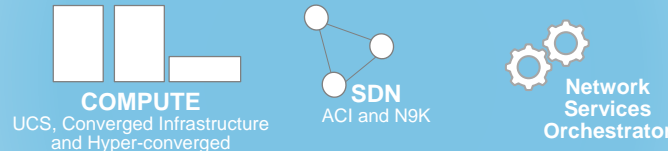


Multi-Cloud Application Management

Clouds

Cisco, Partner and Public Clouds
(Private – Public – Hybrid)

Cloud Infrastructure



Infrastructure-as-Code,
Automation & Hardware

Key Take Aways

1. Full Hybrid-Cloud Stack
2. Cisco Cloud Services (IoT & NFV & SaaS)
3. Partner Cloud Landscape (Cisco powered)



