

Red Hat
Summit

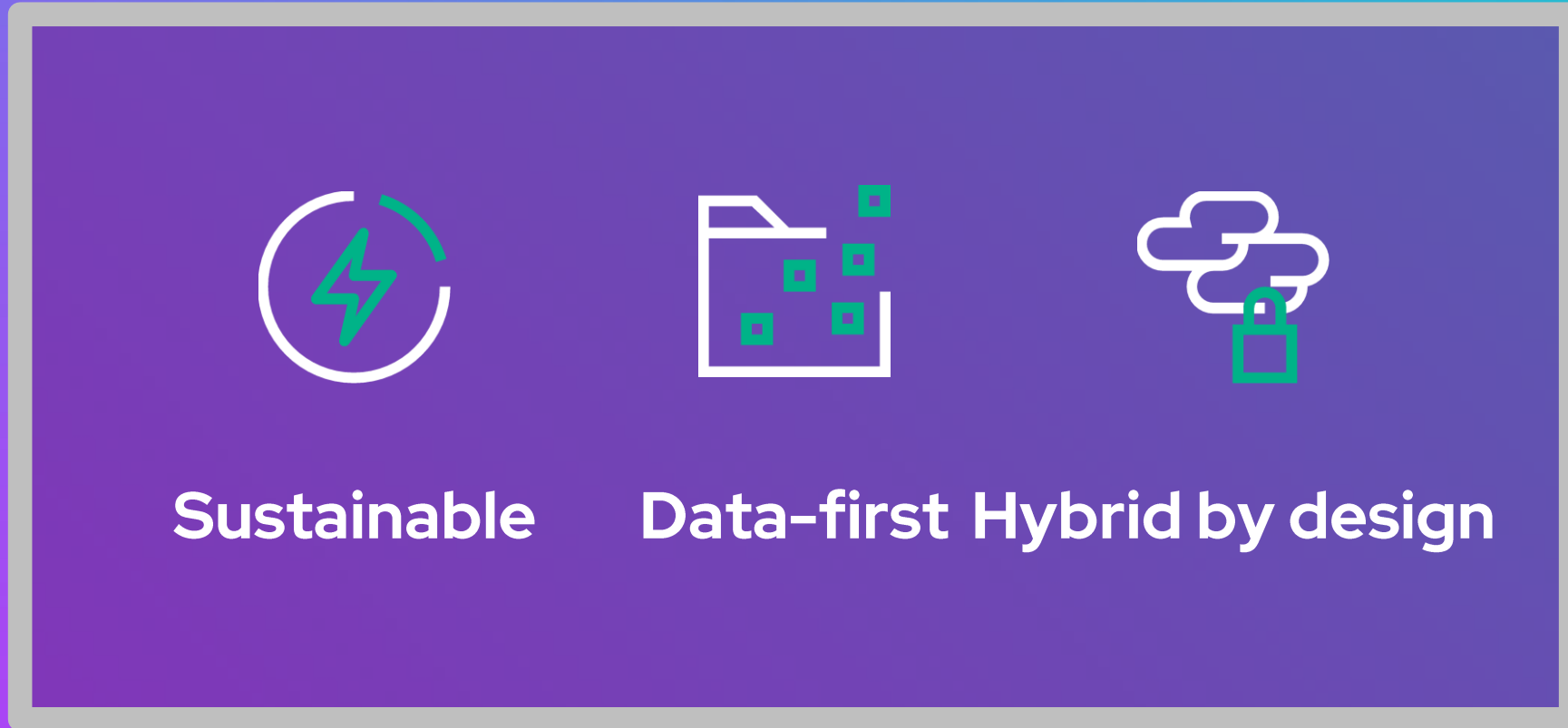
Connect

HPE GreenLake for Red Hat OpenShift Container Platform 2.0

Roberto Torres
HPE CTO & Presales Lead



Transformation has a new focus



Edge
locations



Data centers



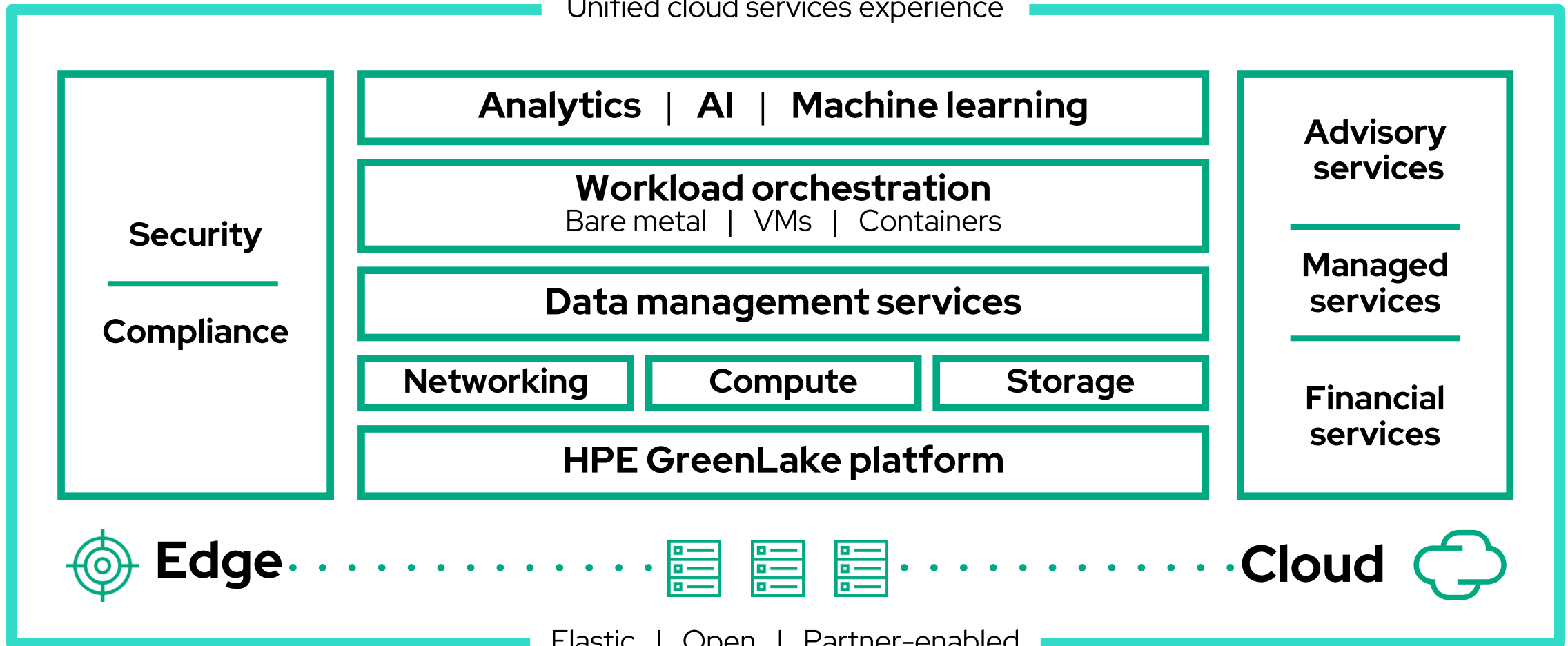
Colocations



Public clouds

The HPE GreenLake edge-to-cloud platform uniquely meets hybrid needs

Unified cloud services experience



HPE GreenLake for Red Hat OpenShift Container Platform

HPE GreenLake for Red Hat® OpenShift Container Platform™ is an on-premises solution delivered with a cloud experience to unify and simplify operations.

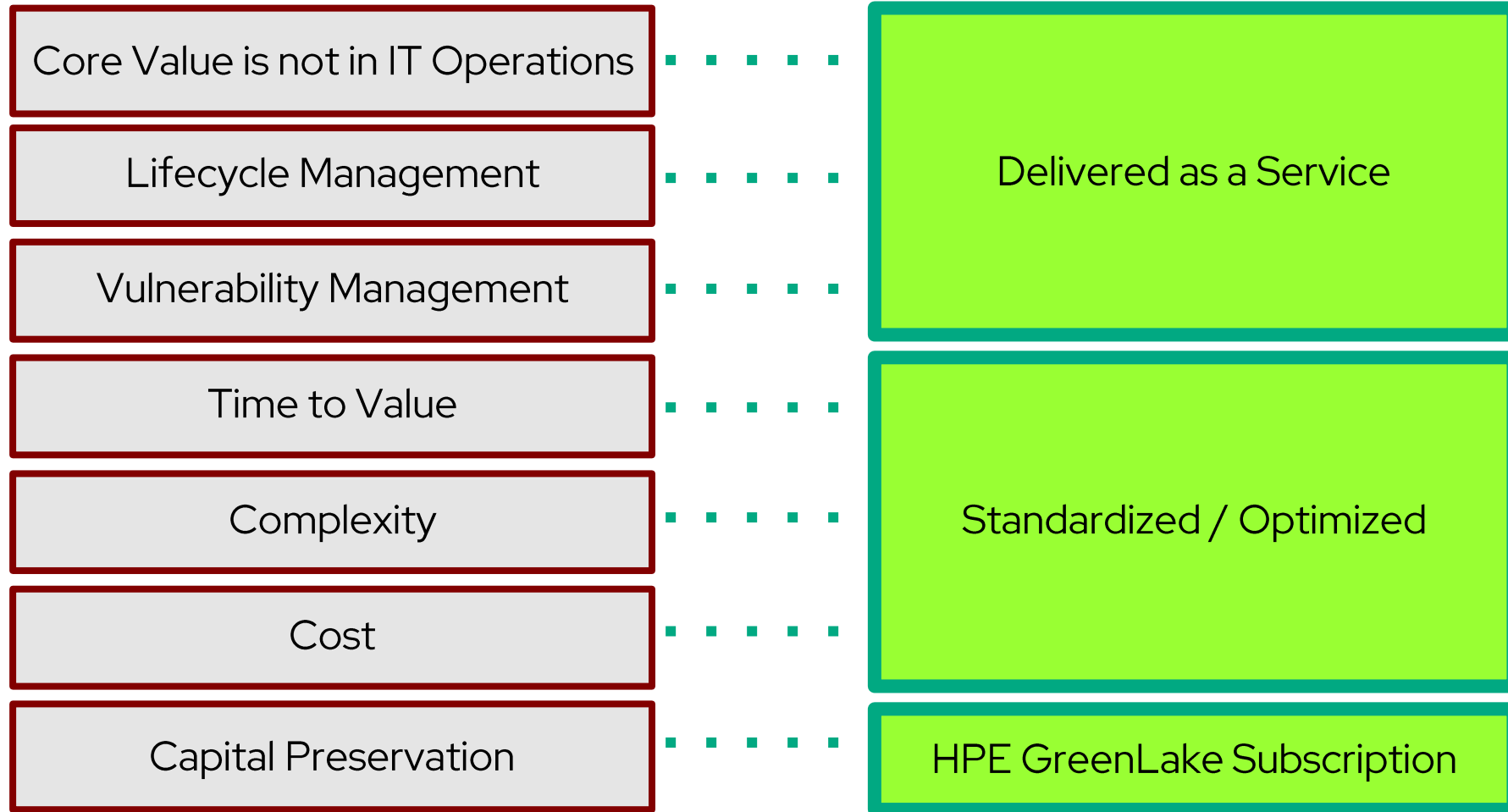
This joint solution is:

- Offered as an HPE GreenLake subscription that helps scale capacity on demand with predictable cost.
- Delivered as a service with native Red Hat OpenShift experience reducing the total cost of ownership.
- Standardized ordering and deployment reducing the time to value, complexity, and cost.
- Deployed as a private cloud providing data privacy, security, sovereignty, and low latency for workloads.



Trust HPE and Red Hat to help modernize your hybrid cloud infrastructure

Addressing the target customer

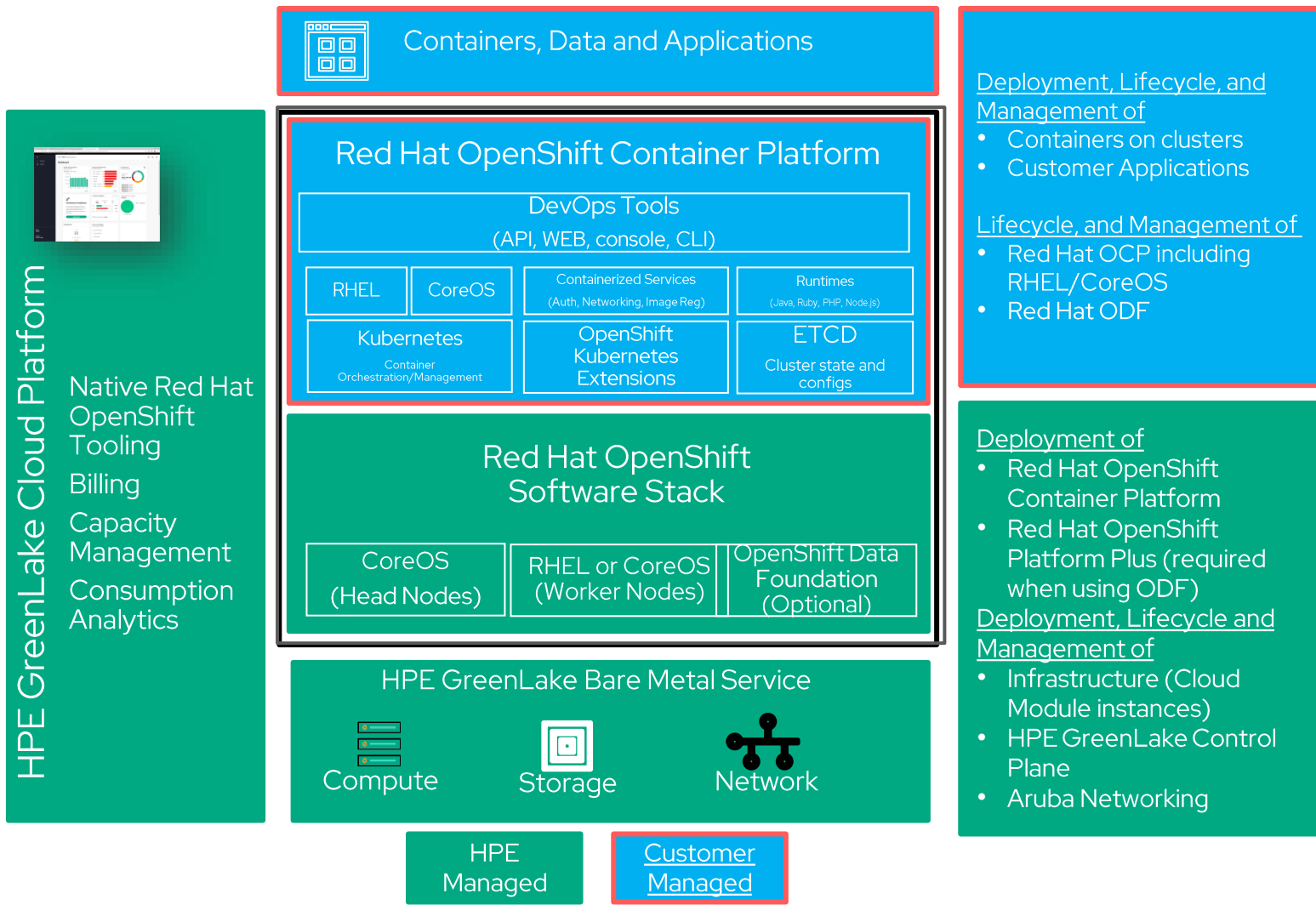


**Customer
Challenges**

**HPE GreenLake for Red Hat OpenShift
Container Platform**



HPE GreenLake For Red Hat OpenShift Container Platform



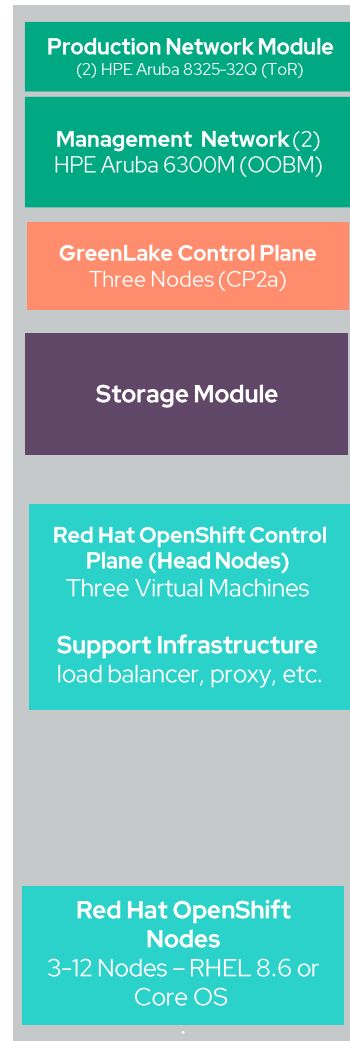
What's New for July

- File/Object Storage via Red Hat OpenShift Data Foundation (ODF)
- Support for CoreOS on the worker nodes
- Support Red Hat OpenShift 4.12 and OpenShift Platform Plus (OPP)
- Lower Cost Single Node HPE GreenLake Control Plane Option



HPE GreenLake for Red Hat OpenShift container platform configuration

- Single rack configuration
- Single Node Control Plane
- Worker Node Configurations:
 - Small: 3 Workload Nodes
 - Medium: 6 Workload Nodes
 - Large: 12 Workload Nodes
- Minimum of 3 or more workload nodes for growth up to the max solution size up to 12 total workload nodes.
- Storage Options
 - Block Storage with Alletra 6000
 - File/Object with Storage Optimized Instances and OpenShift Data Foundation*



Components

Rack & Network Module

- 2 x Aruba 8325-32Q -100GbE
- 2 x Aruba 6300M - 1GbE RJ45 OOBM
- 1 x HPE 42U Rack

GreenLake Control Plane: 1x CP2a

Storage Options:

- 1x Block Storage (Alletra 6000)
 - 25TB, 50TB, 100TB, 150TB Options
- Or**
- 3x ODF Storage Nodes
 - 25TB or 50TB Options

Head Nodes:

C2apd (Compute Optimized)

C2apd (Compute Optimized)

HPE GreenLake Units of Measure for this service

This service uses an infrastructure-oriented design which meters the consumption of key resources. This is consistent with other HPE GreenLake services such as HPE Private Cloud Enterprise, and custom solutions for Ezmeral and Red Hat.

Alletra Storage

Existing UoM: Alletra 6000
Usable GiB

Measures: amount of space consumed by Customer data

This UoM is part of capacity planning

The recommended reserved capacity is 80%

Compute + ODF Storage

Compute UoM: **Per Core**

ODF Storage UoM: **Per Core**

Measures: number of cores consumed on workload servers

This UoM is part of capacity planning

The recommended reserved capacity is 80%

Containers

New UoM: **Red Hat OCP/OPP Bare Metal Subscriptions**

Measures: number of Red Hat OpenShift Container Platform licenses are consumed

This UoM is not used for capacity planning

Consumed capacity should match the Compute UoM

The reserved capacity should match the Compute UoM

As-a-service cloud experience delivers big benefits

A complete curated solution

ISV best practice architectures out of the box, that are fully built, validated and tested by HPE

Faster time to value

Using standardized HPE servers, storage, and network solutions deployed with Red Hat software

Simplified IT

With implementation, support, monitoring, operations and hardware management handled by HPE.

Convenient pay-per-use billing

Based on metered usage; includes units of measure for compute, storage, and Red Hat software

Native Tooling

Ability to use native tooling and existing scripts while also gaining the benefits of the GreenLake Platform

Cloud-like flexibility

Keeping costs under control and your data wherever you want it.



Red Hat
Summit

Connect

Thank you



[linkedin.com/company/red-hat](https://www.linkedin.com/company/red-hat)



[facebook.com/redhatinc](https://www.facebook.com/redhatinc)



[youtube.com/user/RedHatVideos](https://www.youtube.com/user/RedHatVideos)



twitter.com/RedHat