

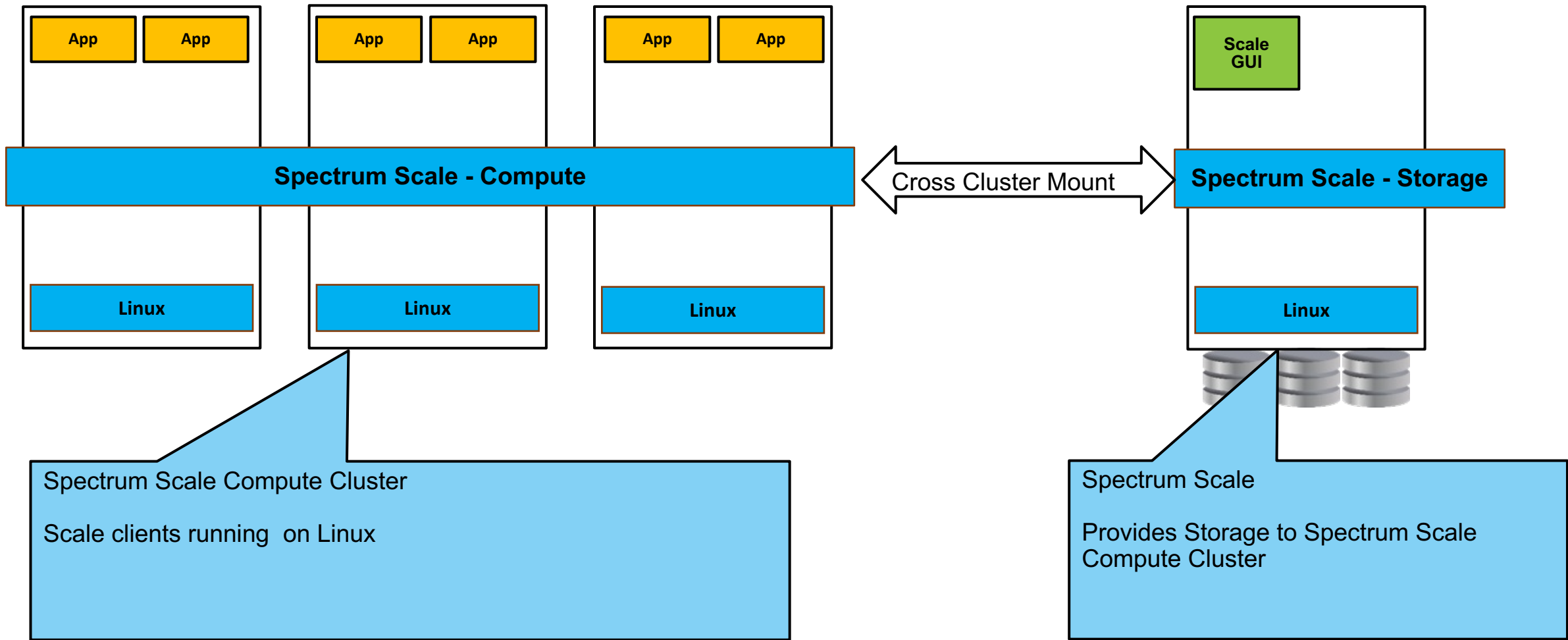
Spectrum Scale on IBM Cloud

Spectrum Scale UK User Group Meeting 2022
London, UK – June 30th, 2022

Piyush Chaudhary (IBM)
“HPC” & Spectrum Scale Architect – IBM Cloud



Spectrum Scale in IBM Cloud - Architecture



Spectrum Scale Tile in IBM Catalog



Catalog /

IBM Spectrum Scale

IBM Spectrum Scale is a high-performance, highly available, clustered file system and associated management software.

Create

About

Type
Terraform

Provider
IBM

Updated on
06/27/2022

Category
Storage

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Select your deployment target



IBM Cloud
Schematics



Select a delivery method



Terraform



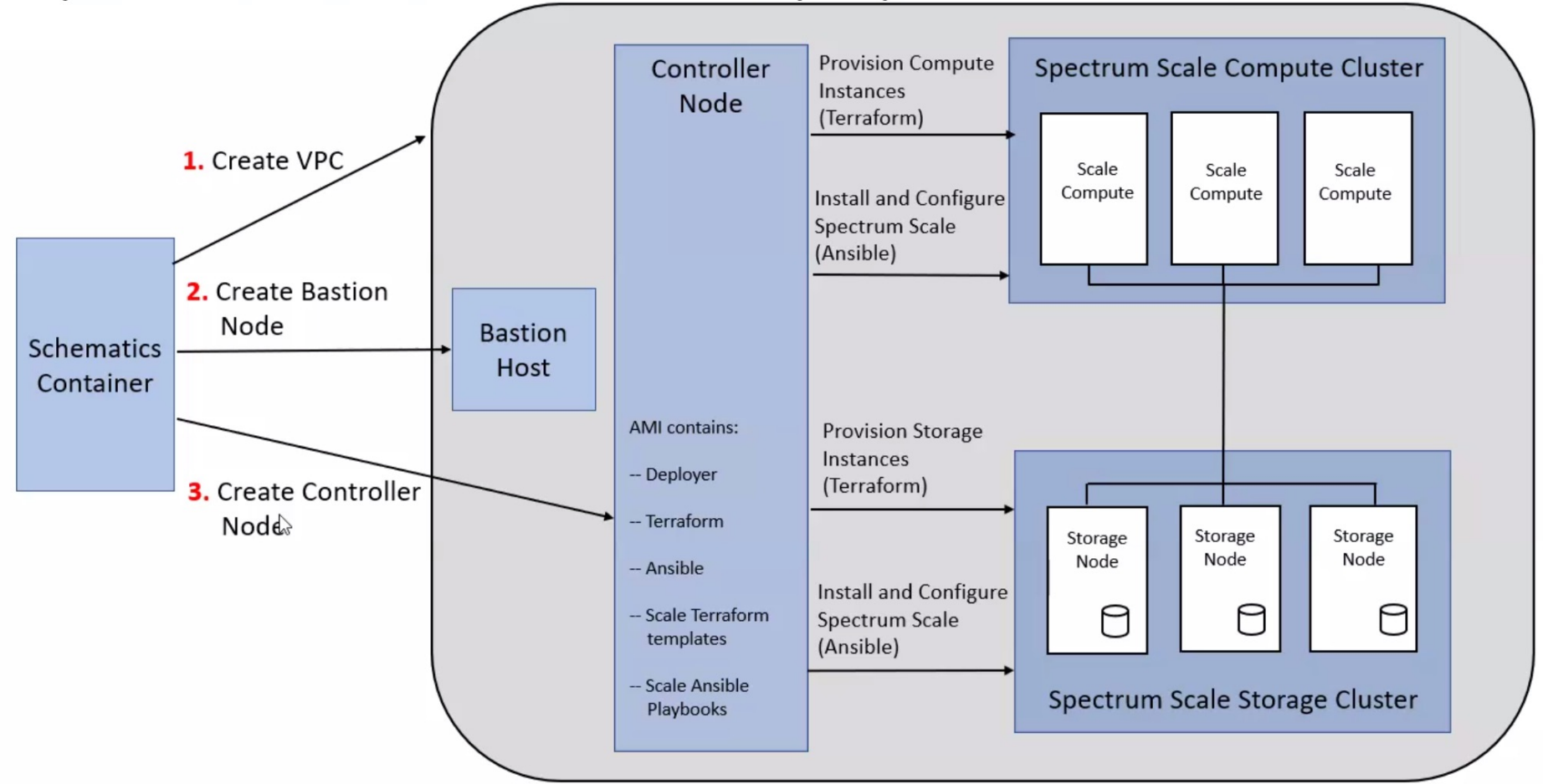
Select product version

1.0.0

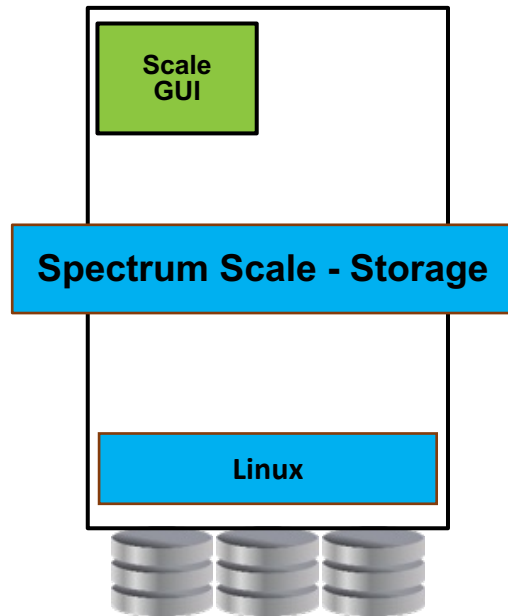


Spectrum Scale on IBM Cloud - Deployment

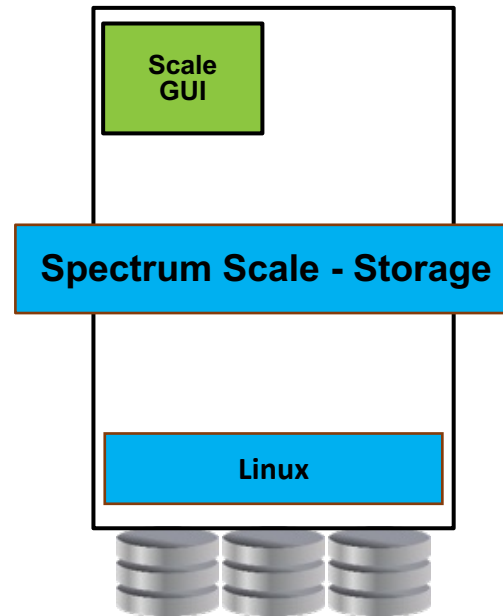
Spectrum Scale Controller Deployment Model



Spectrum Scale – Storage Cluster



Scratch
VSIs with Instance
Storage



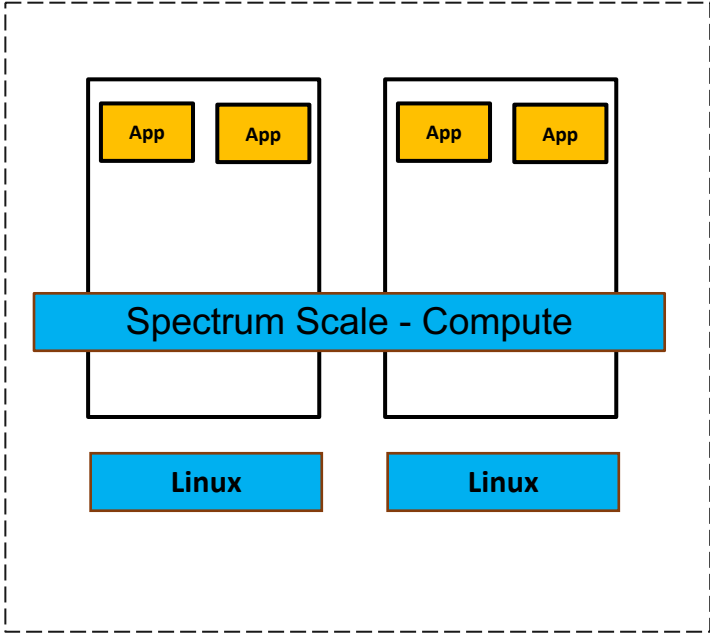
Persistent
Bare Metal Nodes with
NVMe Drives



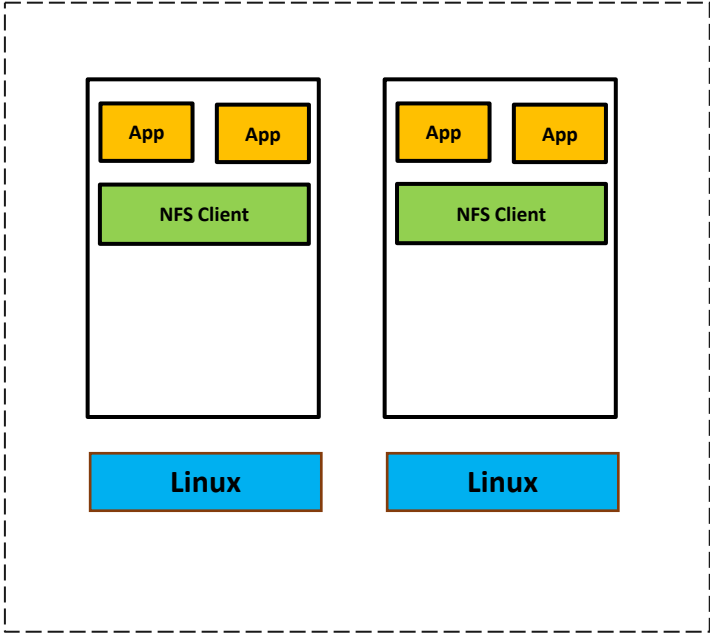
Additional Capabilities

- Erasure Code Edition (ECE)
- Cross AZ replication
- Async replication to S3
- Protocol integration
- AFM connection to on-prem
- Backup/Restore
- Archive

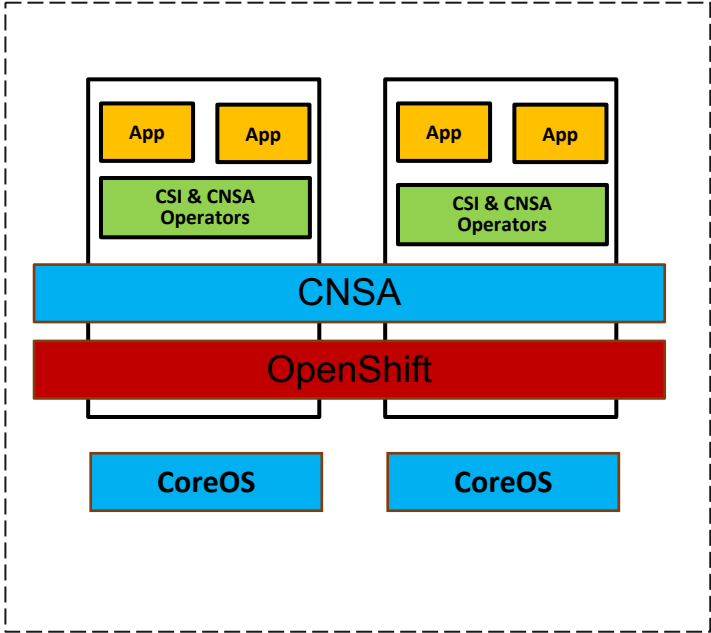
Spectrum Scale – Compute Cluster



Native Spectrum Scale Access



High Performance NFS Access



Container Native Access



Spectrum Scale – Roadmap

(Subject to Change)

Feature Enhancements

- Erasure Code Edition (ECE)
- Cross AZ replication
- Async replication to S3
- Protocol integration
- AFM connection to on-prem
- Backup/Restore
- Archive

Use Cases

- FSS
- Life Sciences / Healthcare
- Electronic Design Automation (EDA)
- Weather / Climate
- Automotive
- Analytics & AI
- Industrial Manufacturing



Thank you for using
IBM Spectrum Scale on IBM Cloud!