

# Container & Cloud Update

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STSM, CoE for Cloud Storage

IBM Systems EMEA Storage Competence Center

# EMEA Storage Competence Center

The EMEA Storage Competence Center (ESCC) provides **Pre- to Post-Sales Storage services to assist you across IBM's complete Storage portfolio (Hardware / Software / Solutions)** via:

## **Advanced Technical Skills** (ATS)

Skill Transfer, New Product Intro., Solution Enablement, Architectural Guidance

## **Lab Services** (LS)

Skill Enablement, Hands-On-Training, Implementation Assistance, Data Migration & Performance Tuning

## **Development & Product Test Systems Lab**

Proof of Concept (PoC), Hands-on Product Training ...

## **Product Field Engineering** (PFE)

Last level defect support

## **Client Care**

Pro-active Customer Care Management



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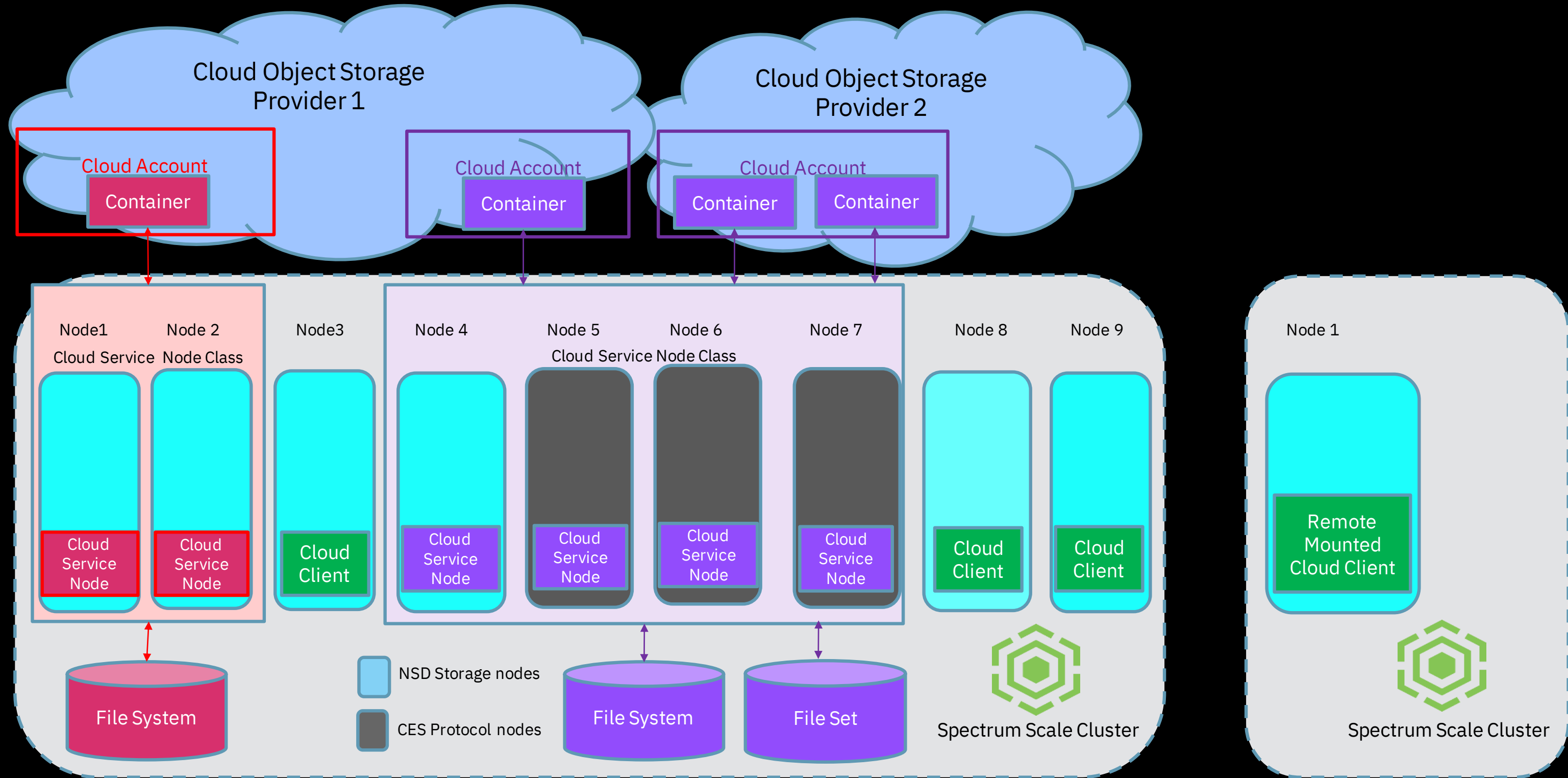


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[https://www.ibm.com/partnerworld/page/pw\\_com\\_bp\\_ecampus](https://www.ibm.com/partnerworld/page/pw_com_bp_ecampus)

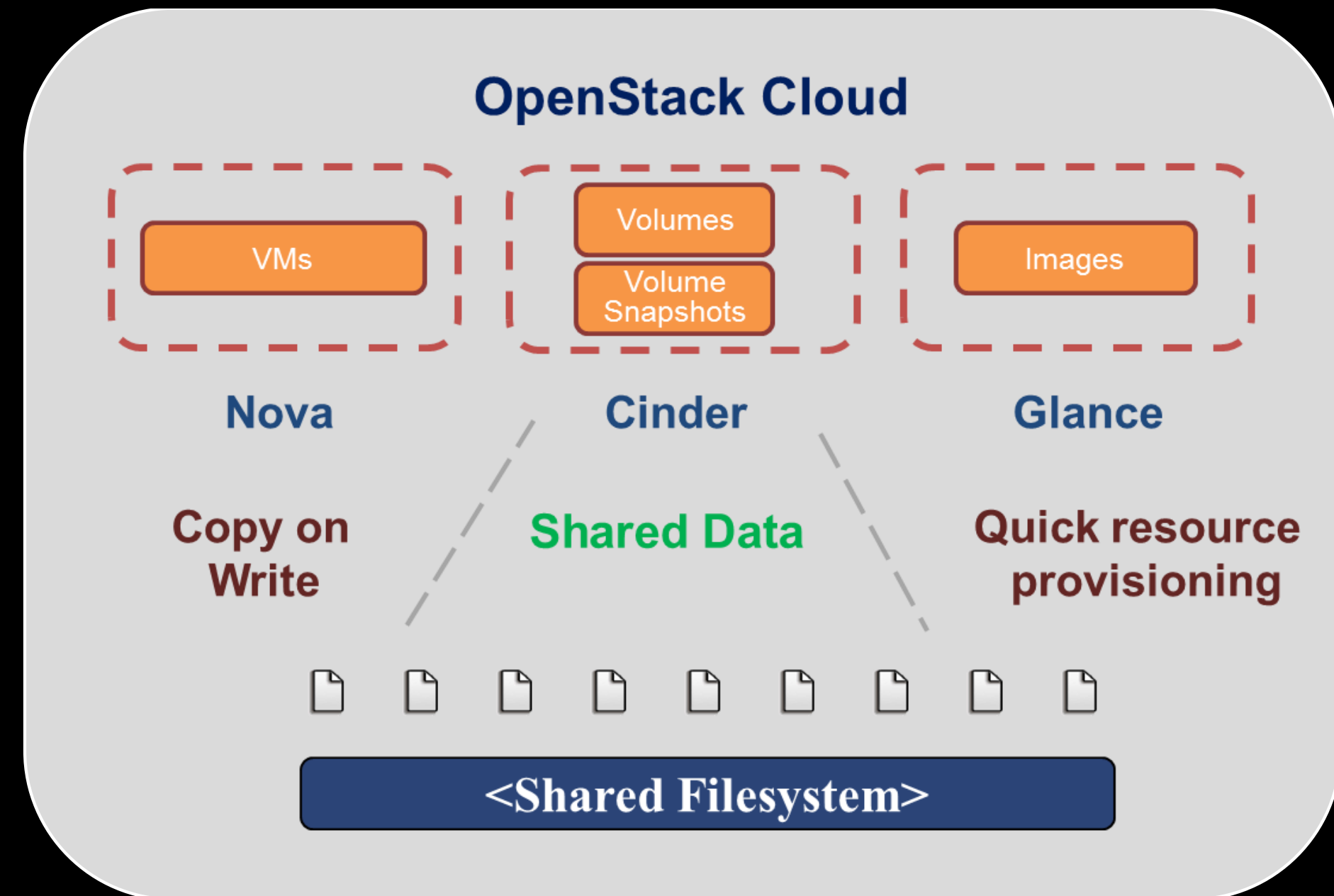
# Cloud-ready

# Multicloud Spectrum Scale Transparent Cloud Tiering



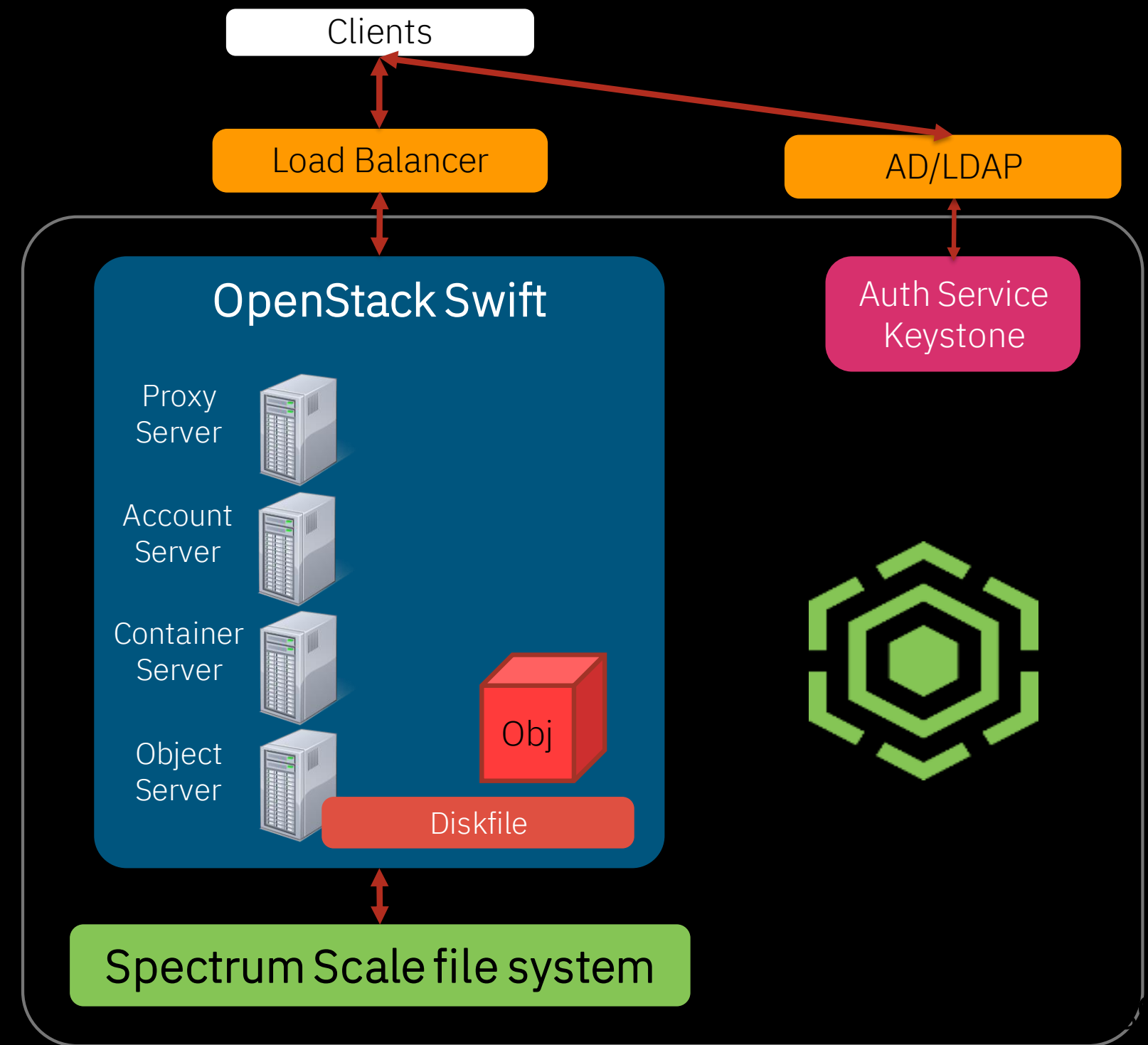
# OpenStack Compute integration

- Nova: Ephemeral storage for VM instances
- Glance: VM image storage
- Cinder: Volume storage
  - Bootable volumes that nova uses or
  - Persistent data volumes for Nova VM instances
- Manila: File Shares as a service
- Tested up to Rocky Release



# Spectrum Scale Object

- Based on OpenStack Swift (Pike release)
- Supports RESTful APIs (Swift and **S3**)
- OpenStack Keystone authentication
- **Automated** Swift & Keystone **install**
- **Health & Performance** Monitoring
- **Unified File & Object**



# On the Cloud

**A cluster of 16 AWS EC2 instances can be launched and configured with a shared filesystem mounted on all nodes in less than an hour**

**(& does not require any Spectrum Scale Admin Skills)**



EC2 Management Console - Mozilla Firefox

EC2 Management ConsoleCloudFormation Manager

https://console.aws.amazon.com/ec2/v2/home?region=us-east-1#Instances:sort=instanceId

Search

haraldseipp @ 7442-5078-7275N. VirginiaSupport

EC2 DashboardEventsTagsReportsLimitsINSTANCESInstancesLaunch TemplatesSpot RequestsReserved InstancesDedicated HostsScheduled InstancesCapacity ReservationsIMAGESAMIBundle TasksELASTIC BLOCK STOREVolumesSnapshotsLifecycle ManagerNETWORK & SECURITYSecurity GroupsElastic IPsPlacement GroupsKey PairsNetwork InterfacesLOAD BALANCINGLoad BalancersTarget Groups

Launch InstanceConnectActions

Filter by tags and attributes or search by keyword1 to 5 of 5

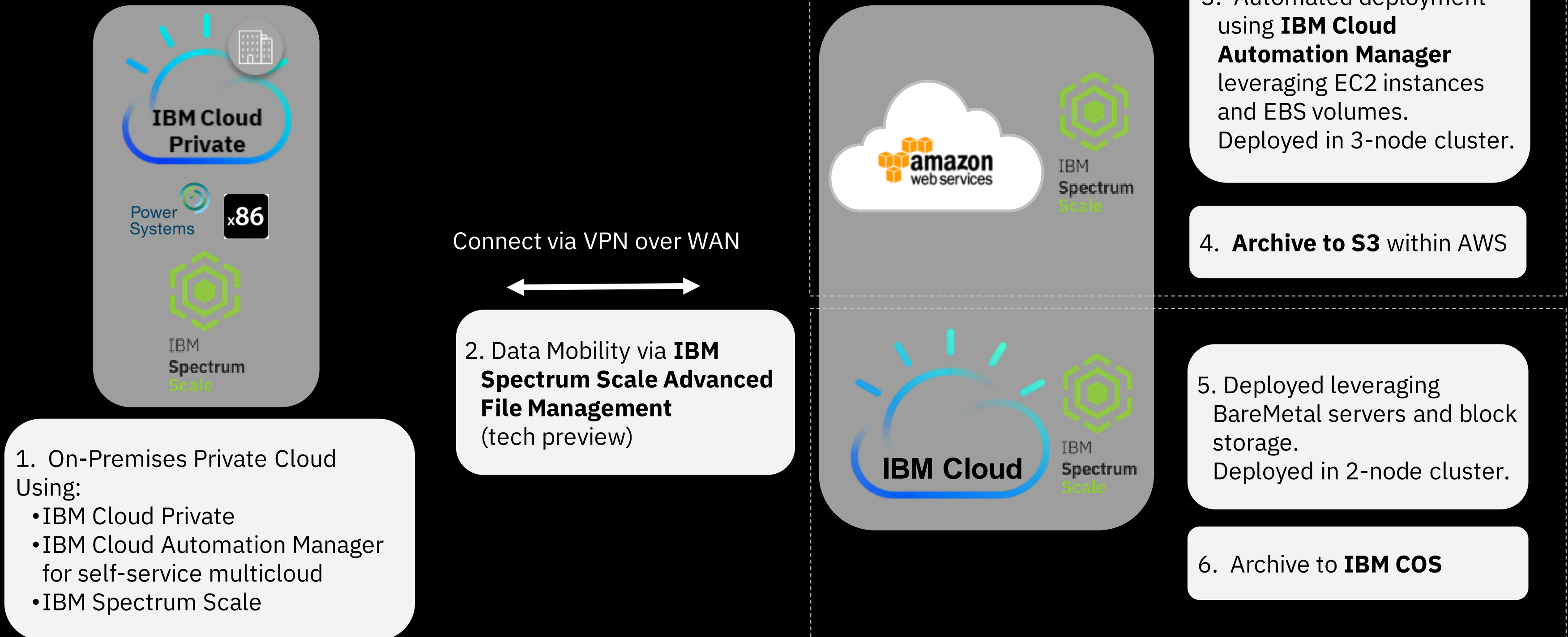
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<input type="checkbox"/>	haraldscale-...	i-01ca61207929d8e7c	t2.micro	us-east-1a	running	2/2 checks ...	None		-	-
<input type="checkbox"/>	haraldscale-...	i-0a1bf5ad47128a64a	t2.micro	us-east-1a	running	2/2 checks ...	No Data		-	-
<input type="checkbox"/>	LinuxBastion	i-0cf4af847c6e42033	t2.micro	us-east-1a	running	2/2 checks ...	None	ec2-34-237-100-70.com...	34.237.100.70	-
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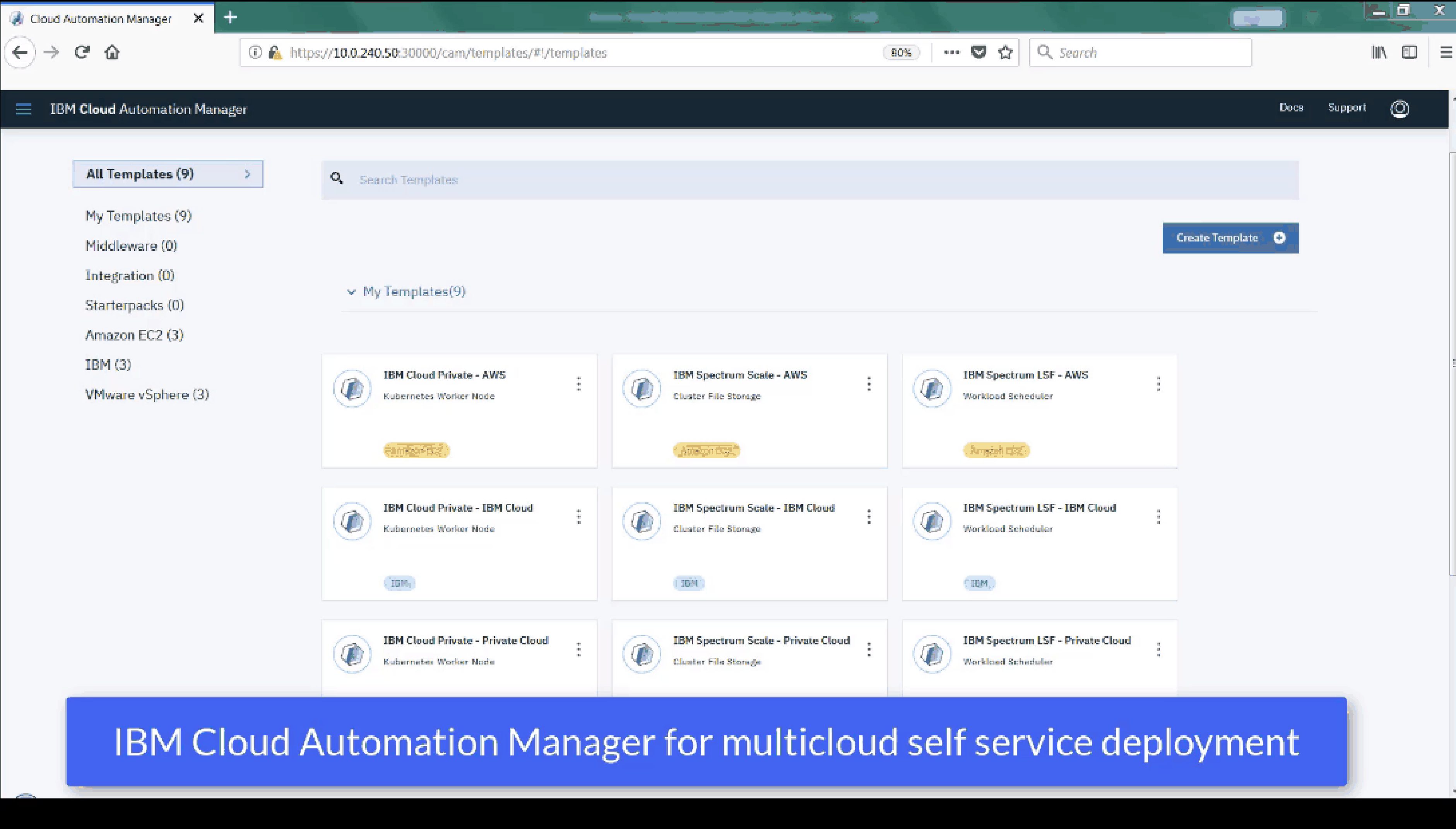
Select an instance above

FeedbackEnglish (US)

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# Hybrid Multicloud Data Agility and Collaboration with IBM Spectrum Scale

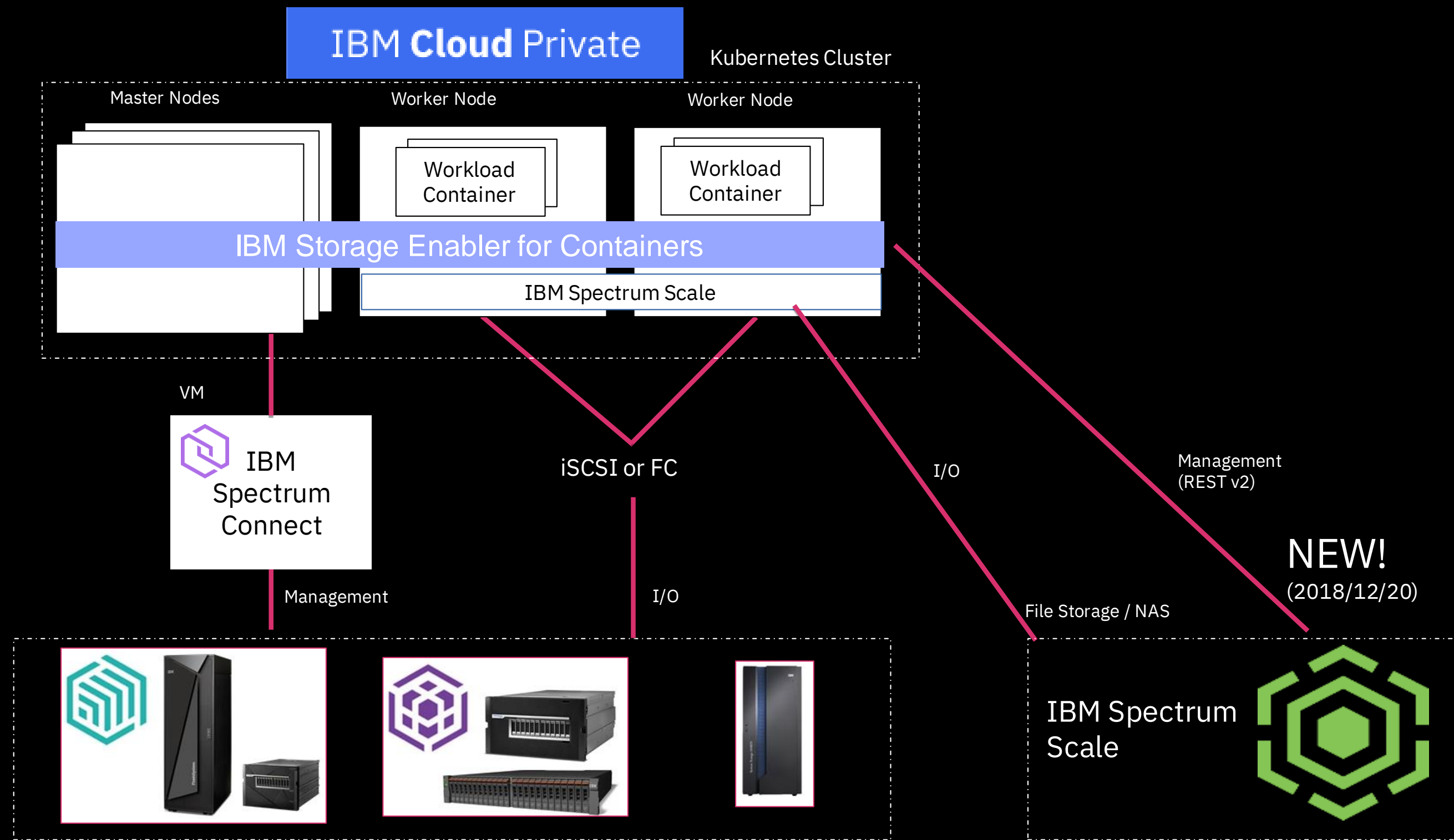




IBM Cloud Automation Manager for multicloud self service deployment

# In the Cloud

# IBM Storage Enabler for Containers



# IBM Storage Enabler for Containers

Unified solution across IBM

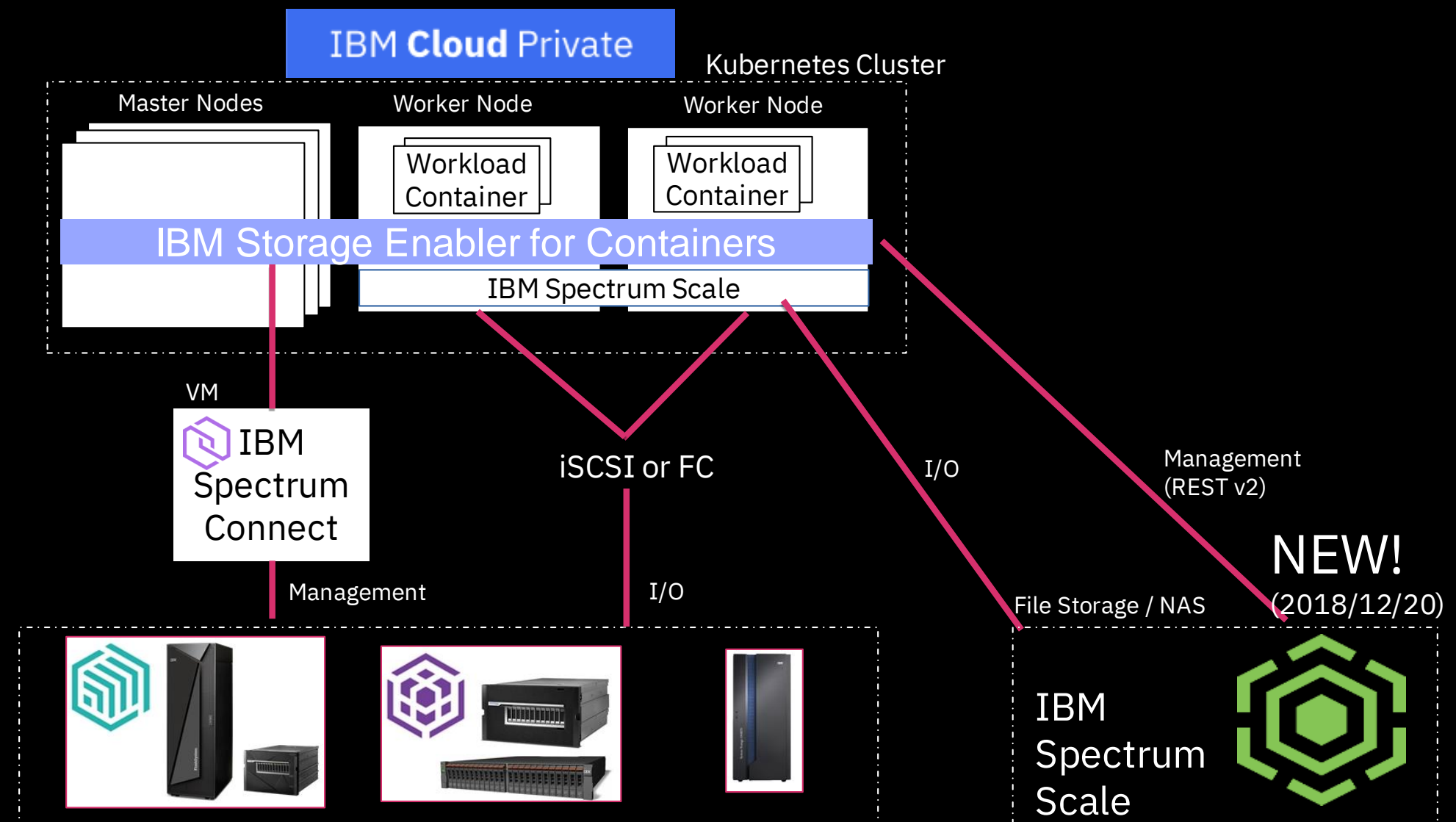
Supports Kubernetes Dynamic Provisioning feature

Highly available and secure through REST API V2 and secure connections

Initial GA supports native Spectrum Scale filesets

Plug-in source code is available via (Ubiquity) Open Source Project

Available as free download on FixCentral



IBM Cloud Private

Fast. Flexible. Intelligent.  
Open. Enterprise-grade.

Log in to your account

Username

Password

Log in

Helm Installer  
Tech Preview



# Thank you!

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