

Introduction to IBM Fusion, Fusion HCI and AI Platform Synergy

2025 Storage Scale West Coast User Group

Chris Almond
Principal Technical Specialist, Storage
chris.almond@ibm.com



IBM Fusion: Software Defined Storage & Engineered HCI

Customer Apps

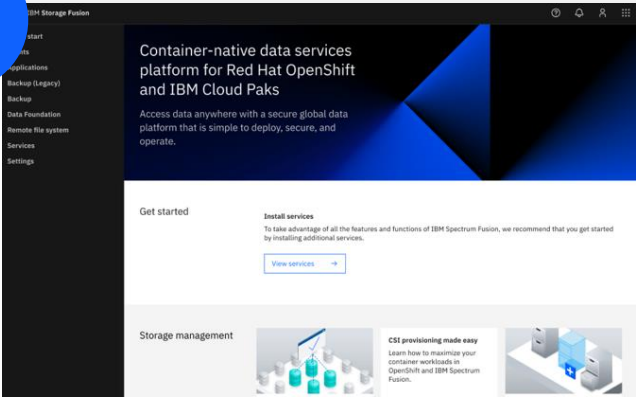
| | | | | | | | | | | | | | | |
|---|---------------------|--------------|--------------------|-----------------|---|----------------|------------|----------|---|---------------|----------|---|-------------|--|
|  | IBM Cloud Paks | | | |  | Databases | | |  | Off the shelf | |  | Custom apps | |
| | Data | Integration | Security | Cloud Satellite | | Cassandra | MongoDB | RabbitMQ | | Pega | Mulesoft | | Home grown | |
| | Business automation | Watson AIOps | Network automation | | | Elastic search | PostgreSQL | Spark | | TIBCO | | | | |

Offering

Fusion Software only (SDS)

Simple. Runs anywhere and everywhere

1

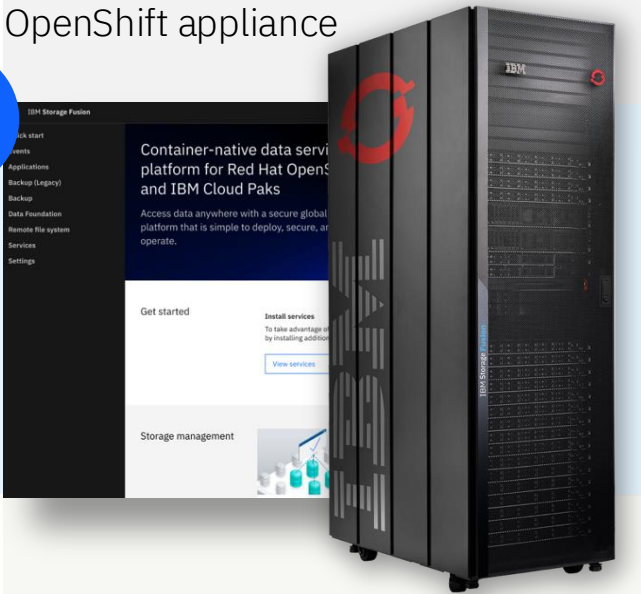


- Consistent experiences
- APIs
 - Fusion console
 - Data protection
 - Disaster Recovery
 - Fusion Data Foundation*

2

Fusion HCI System









OpenShift appliance



Built on



Deployments

| | | | | | | | |
|---|---|---|---|--|---|---|---|
|  |  |  |  |  |  |  |  |
| AWS EBS | Azure block | Persistent disk | IBM block | SAN, vSAN | DS8K | FlashSystems | Server-attached drives |

Hyper-Converged Infrastructure for OpenShift
Software-defined system, combining storage, compute, networking
Switches, servers, storage

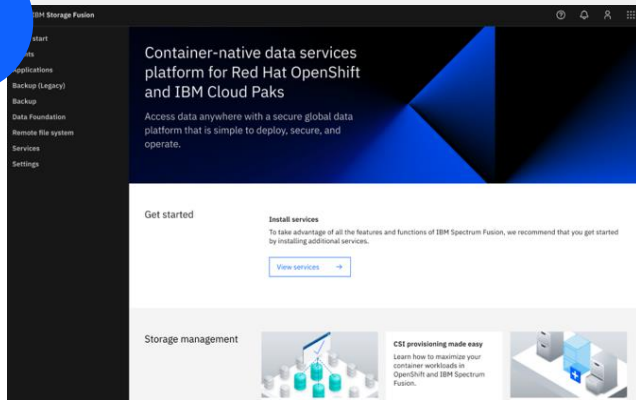
Fusion, software defined storage & appliance

Offering

Fusion Software only (SDS)

Simple. Runs anywhere and everywhere

1



Consistent experiences

- APIs
- Fusion console
- Data protection
- Disaster Recovery
- Fusion Data Foundation*

Built on



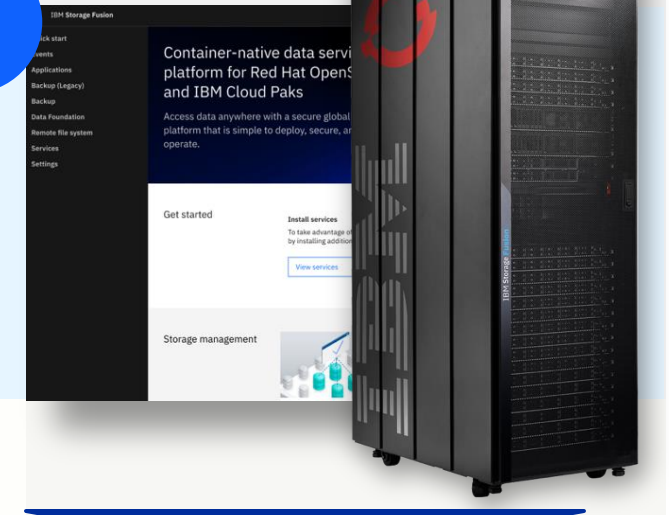
- ✓ Persistent storage
- ✓ Data Protection across sites
- ✓ Consistent Data Management across Clouds
- ☐ Client needs to source infrastructure
- ☐ Client needs to install OpenShift



Fusion HCI System

OpenShift appliance

2



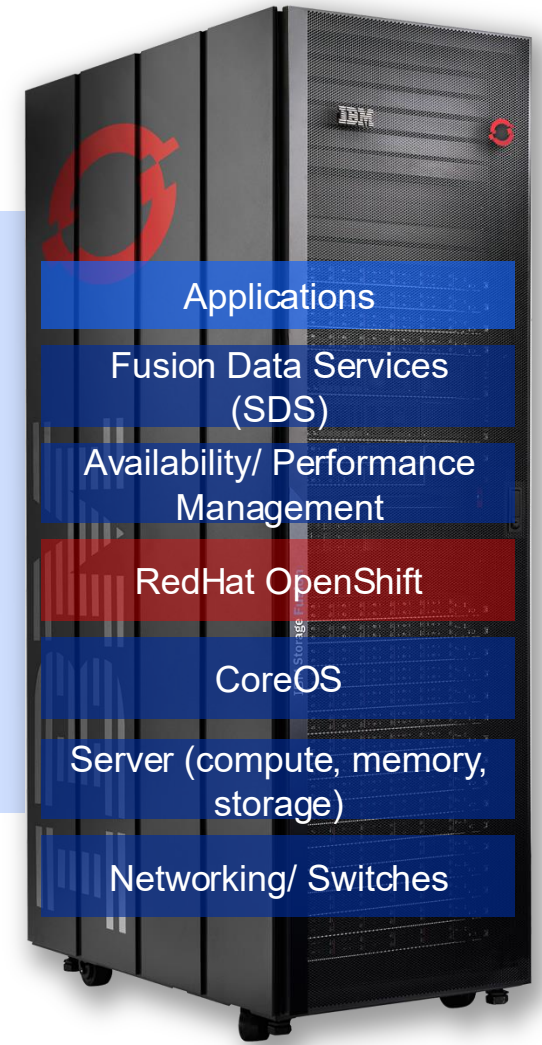
- ✓ Infrastructure automation
- ✓ HW monitoring
- ✓ Fully assembled, hyper-converged **appliance***
- ✓ OpenShift installed by IBM

*Sold with Expert Labs Installation package and Expert Care Premium for continued support incl dedicated technical account manager

“You could spend six months designing an architecture and six months proving it.....



- Reduce dependencies & complexity
- Up and running in 6 hours
- IBM Maintenance
- No OpenShift deployment skills required



...or eliminate the guess work and go with engineered platform”

CAS Integration with IBM Fusion HCI: turn-key engineered solution

Simple

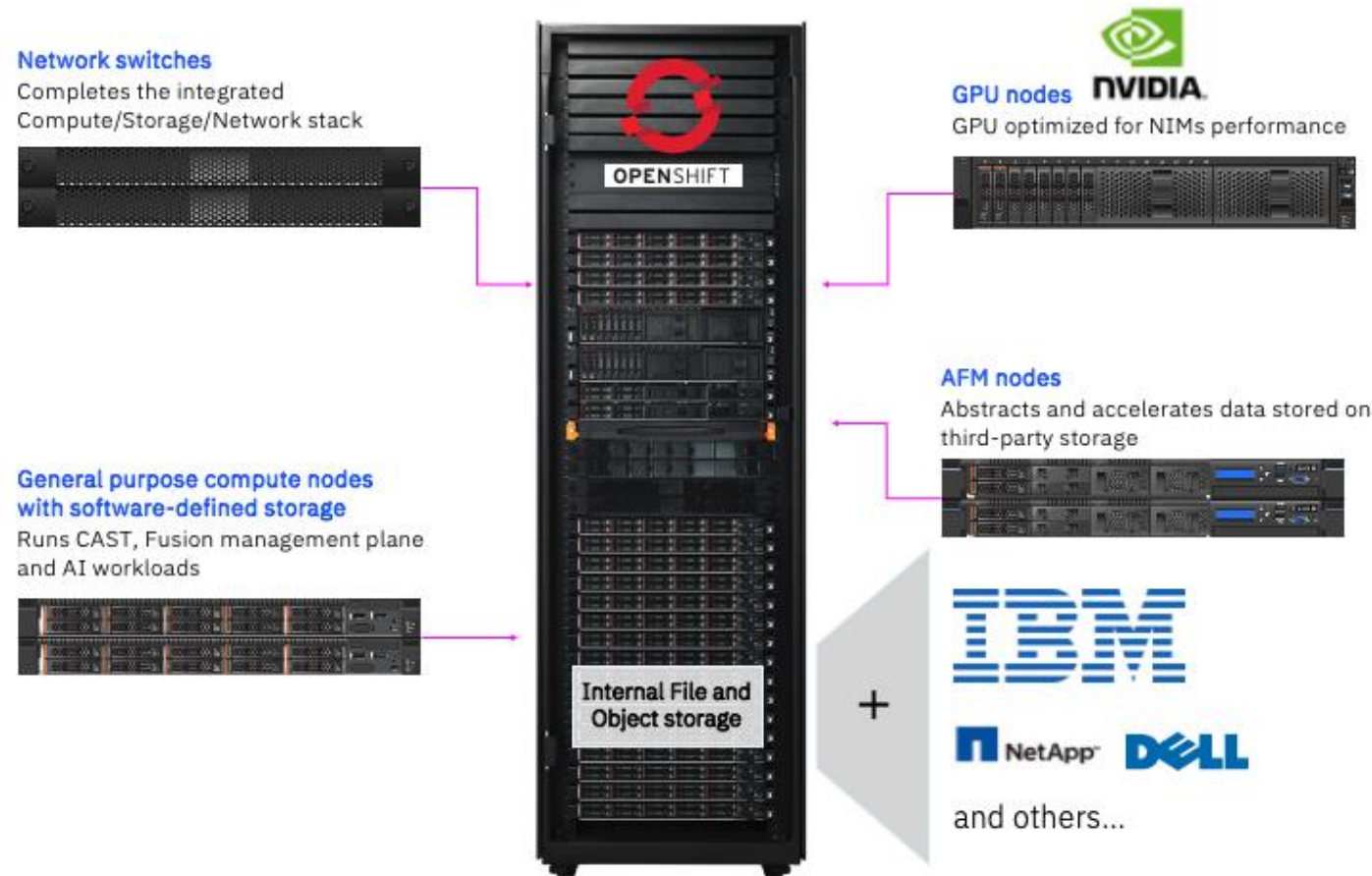
- Turn-key, all-in-one
- Zero to inferencing in weeks not months

Works w/ legacy data

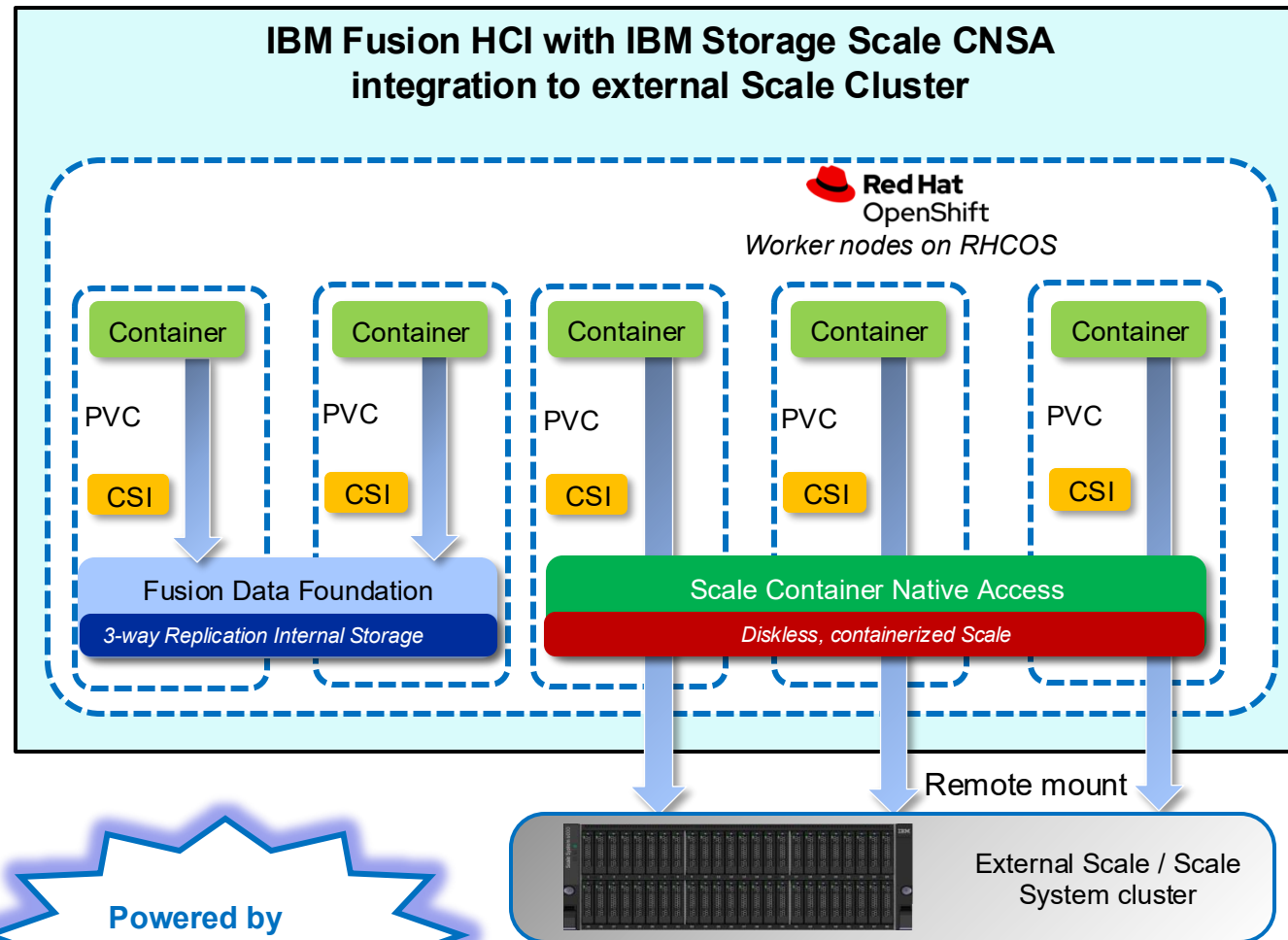
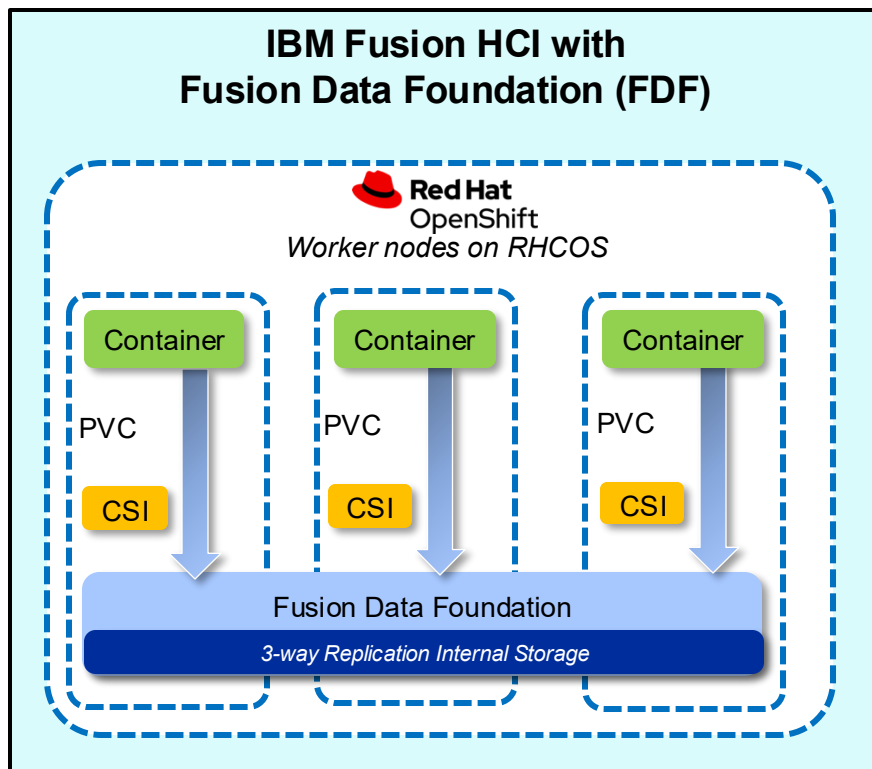
- Connects to IBM and third-party storage
- Unleash data without copying/moving

Enterprise grade

- HA/DR/backup built-in
- Automated Day-2 operations

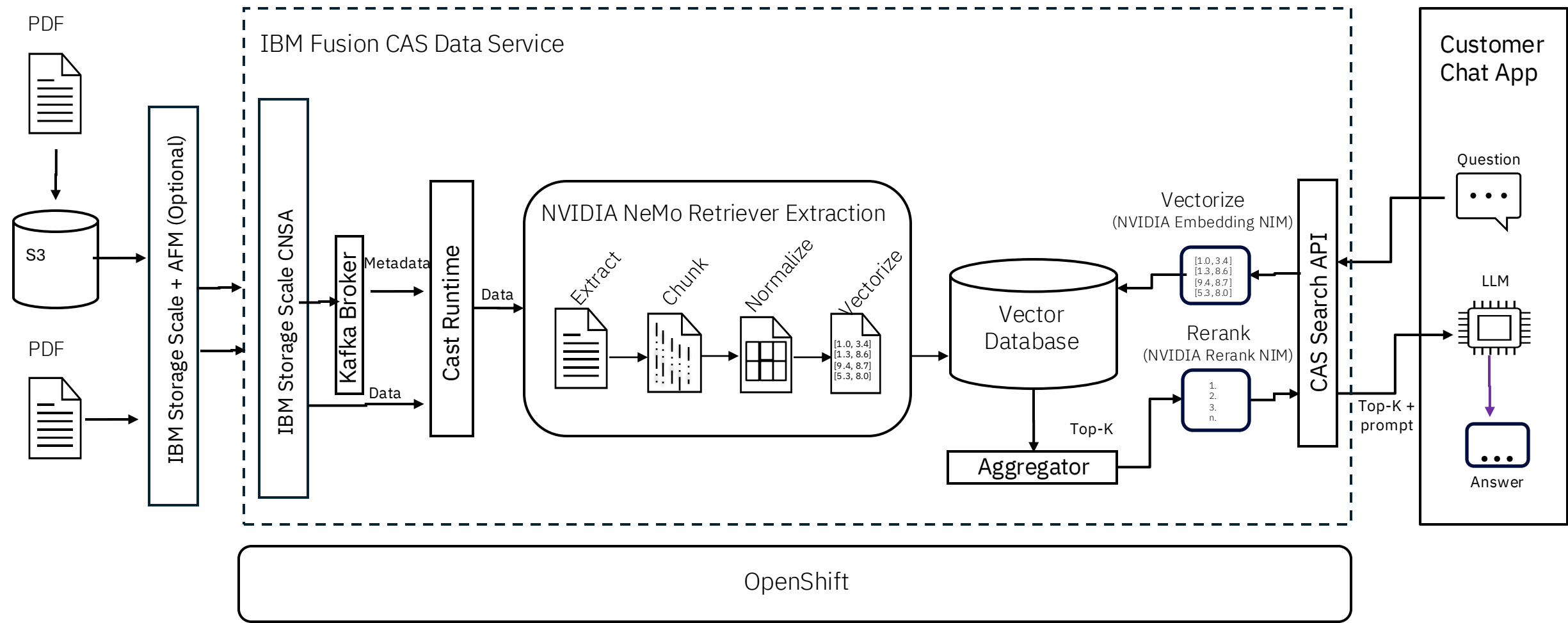


Fusion SDS Options

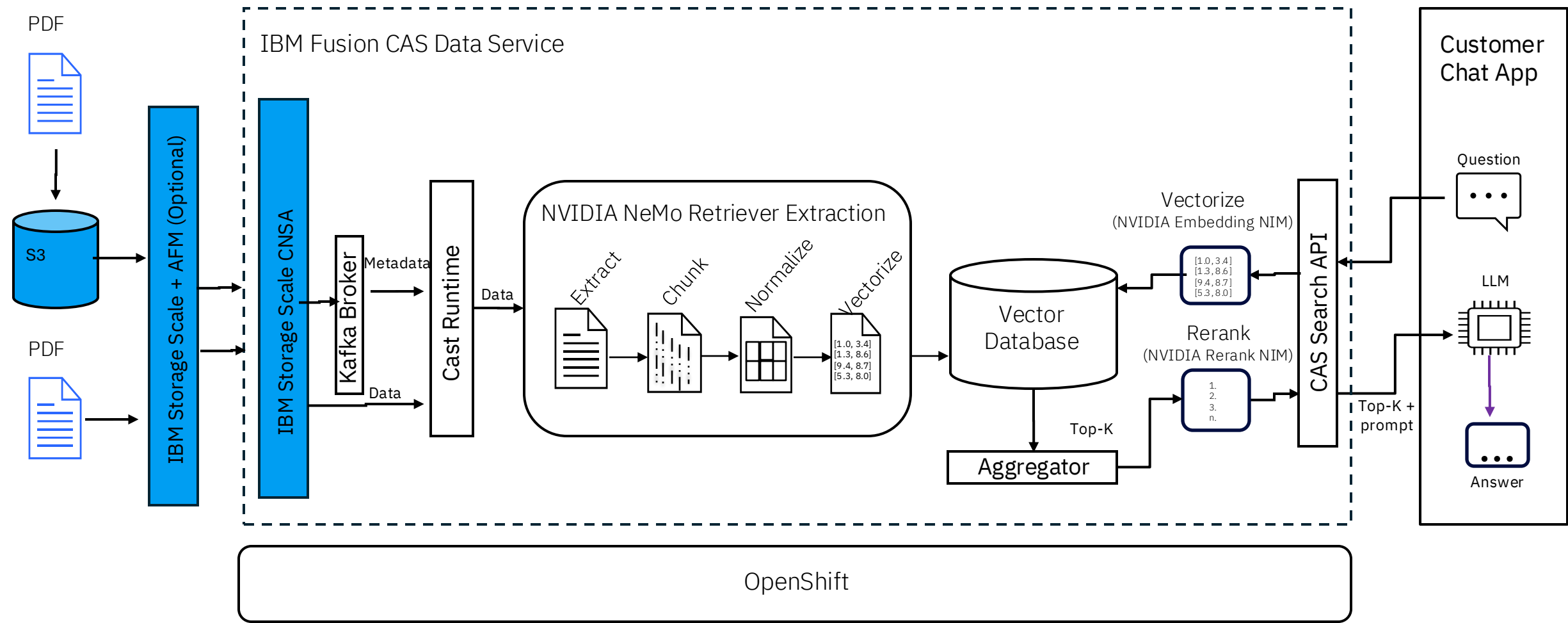


DEMO !

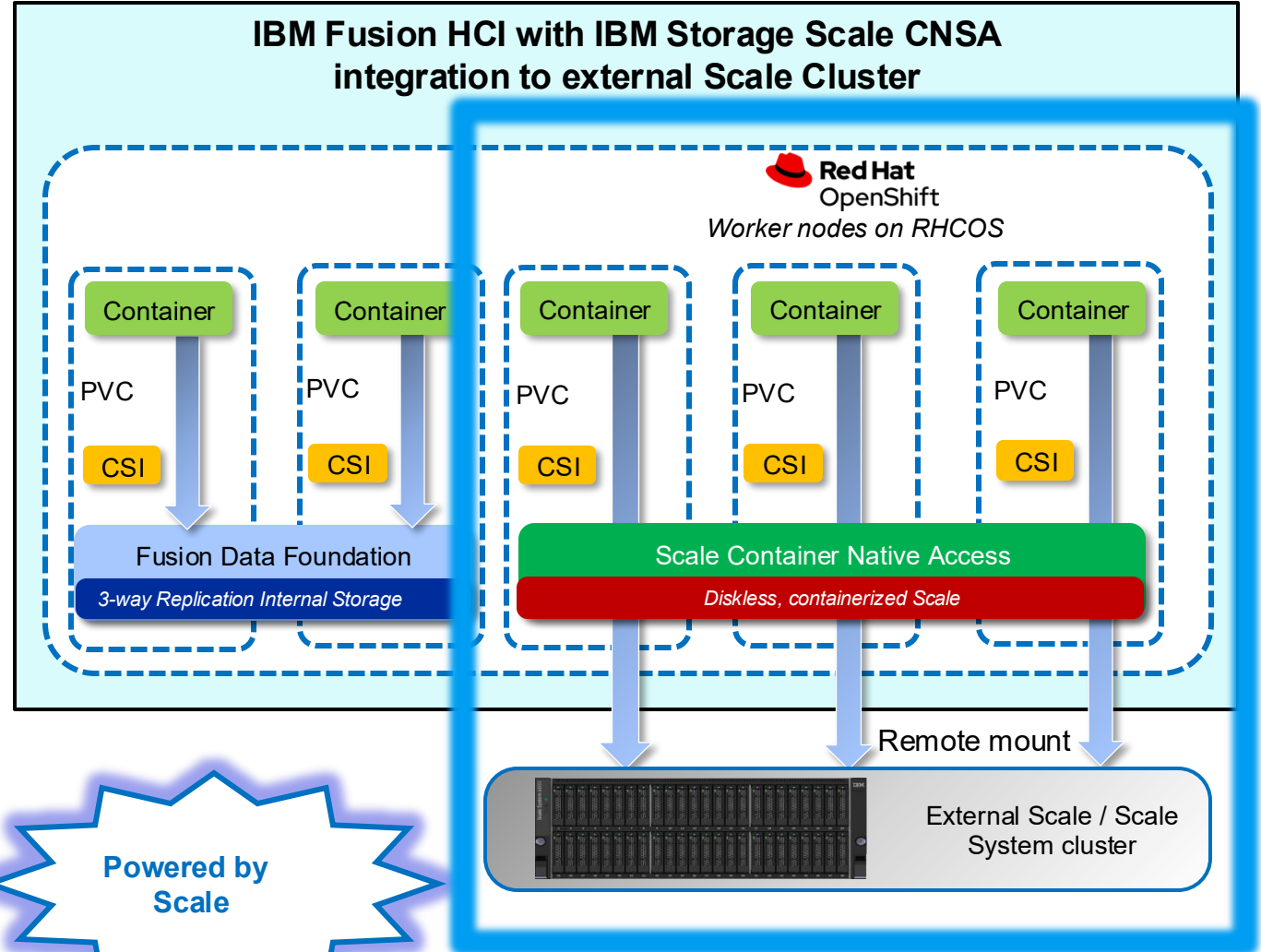
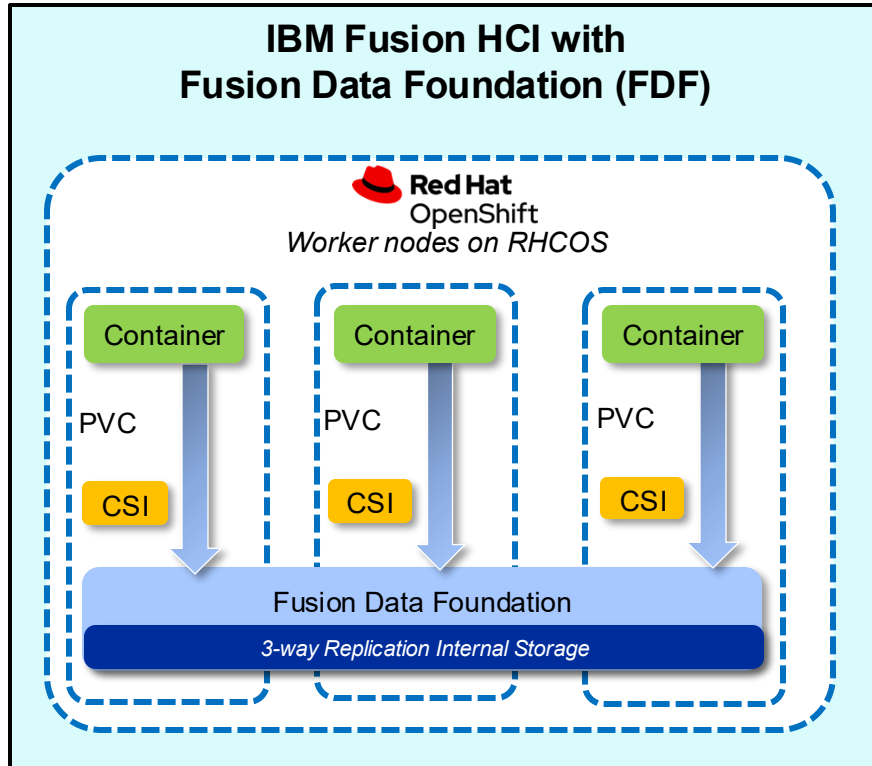
IBM CAS Architecture



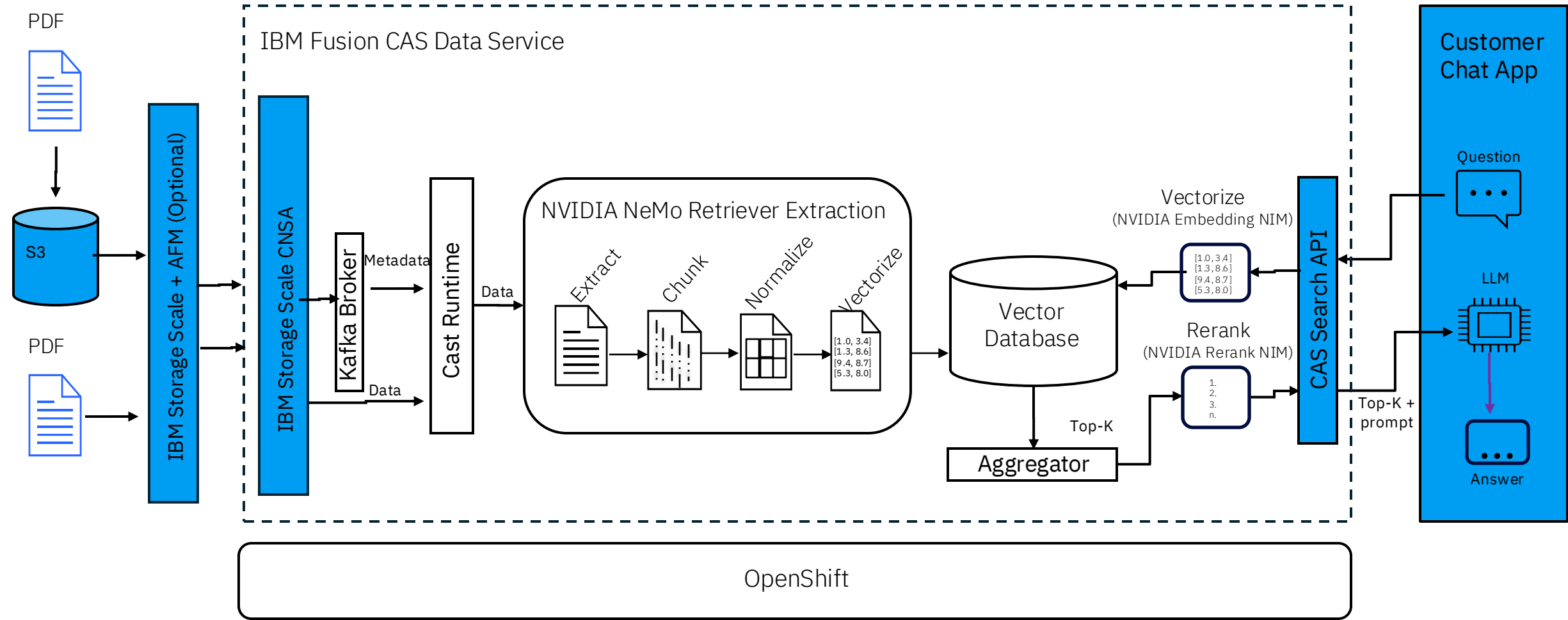
IBM CAS Architecture



Fusion SDS Options



IBM CAS Architecture



IBM CAS Architecture

“extract the semantic meaning hidden inside unstructured data so that AI assistants can automatically generate smarter answers”

