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Alessandro David

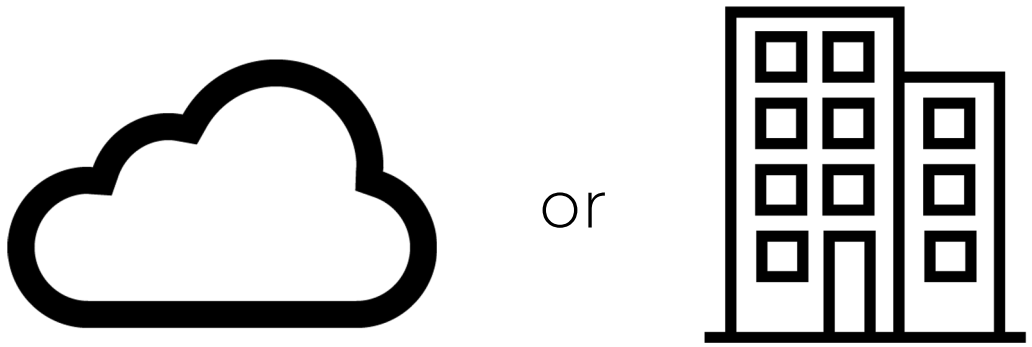
Sr. Sales Engineer

Nutanix

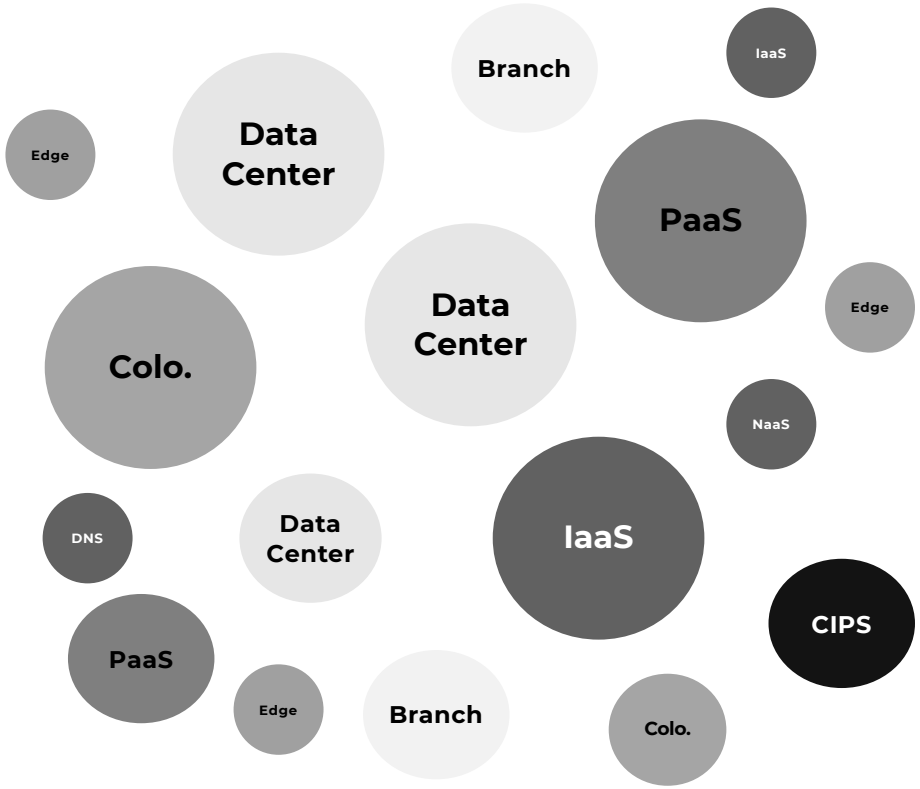
Red Hat

Today the Operating Landscape is Infinitely More Complex

Was



Now



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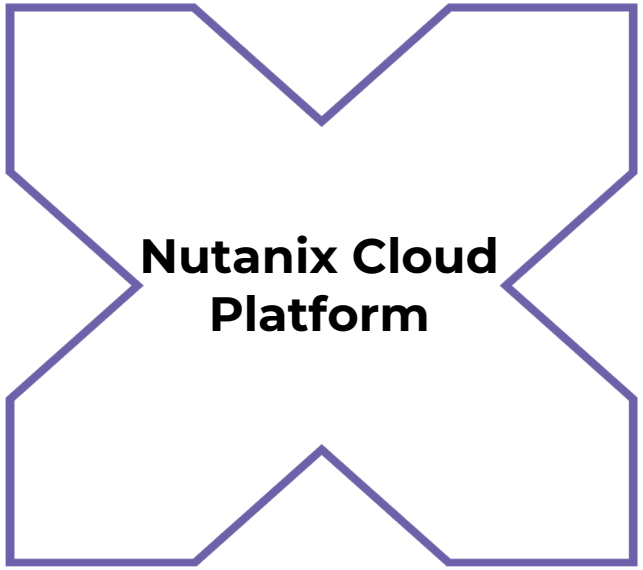
Nutanix Makes Hybrid Multicloud Simple

Any Workload, Any App

- Enterprise Apps
- Cloud Native Apps
- Analytics / ML
- Databases
- Desktops



Run Anywhere

- Data Centers
- Public Clouds
- Service Provider Clouds
- Edge Locations

Platform to Run Apps and Data Anywhere

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One Platform for Hybrid Multicloud

Nutanix Cloud Platform

Unified Storage Services | **Database Services** | **Desktop Services**

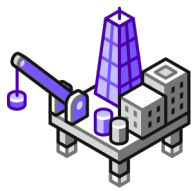
Cloud Infrastructure

- Disaster Recovery
- Container Services
- Data + Network Security
- Advanced HCI
- Virtual Networking
- Scale-Out Storage
- AHV Hypervisor

Cloud Manager

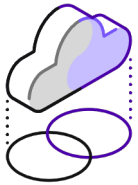
- App Lifecycle Mgmt
- Security Central
- Cost Governance
- Self Service Infrastructure
- AI Operations

Unified Control Plane | Unified APIs | Security | Lifecycle Management

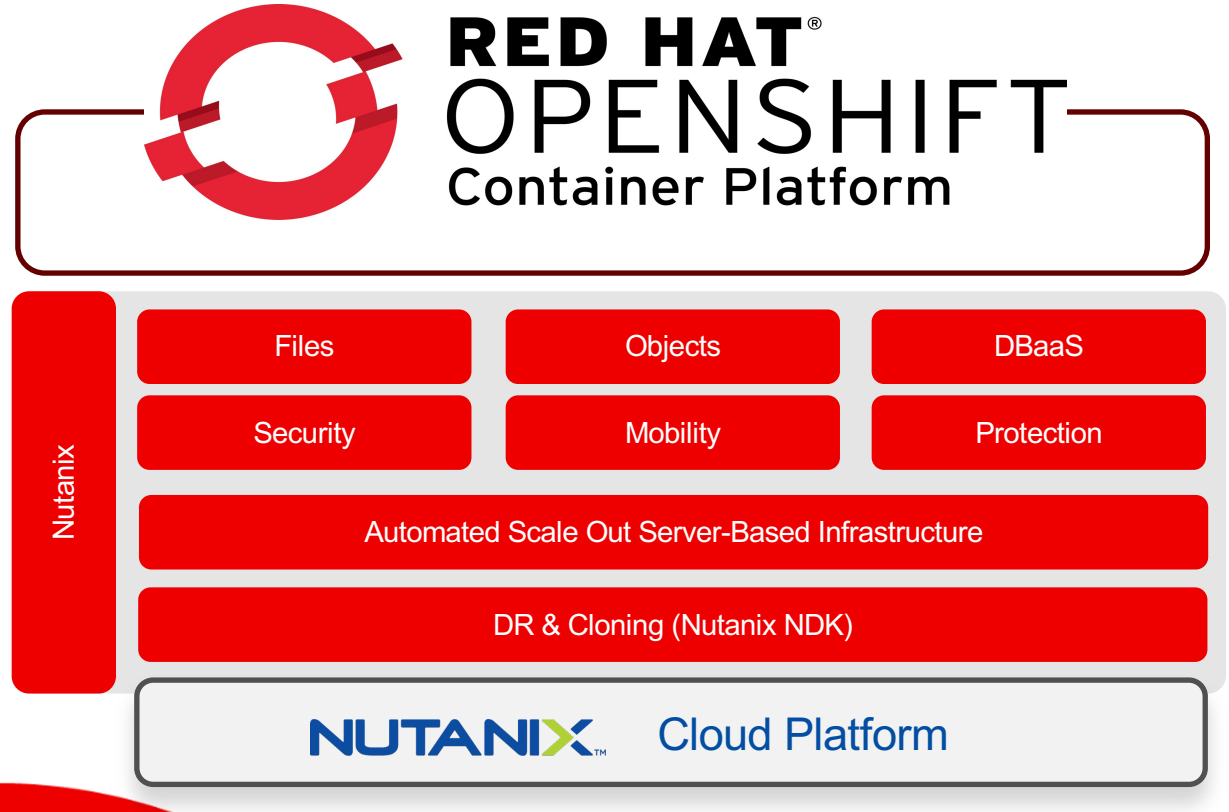


Edge

DC / Micro DC



Perfect for Cloud Native Apps



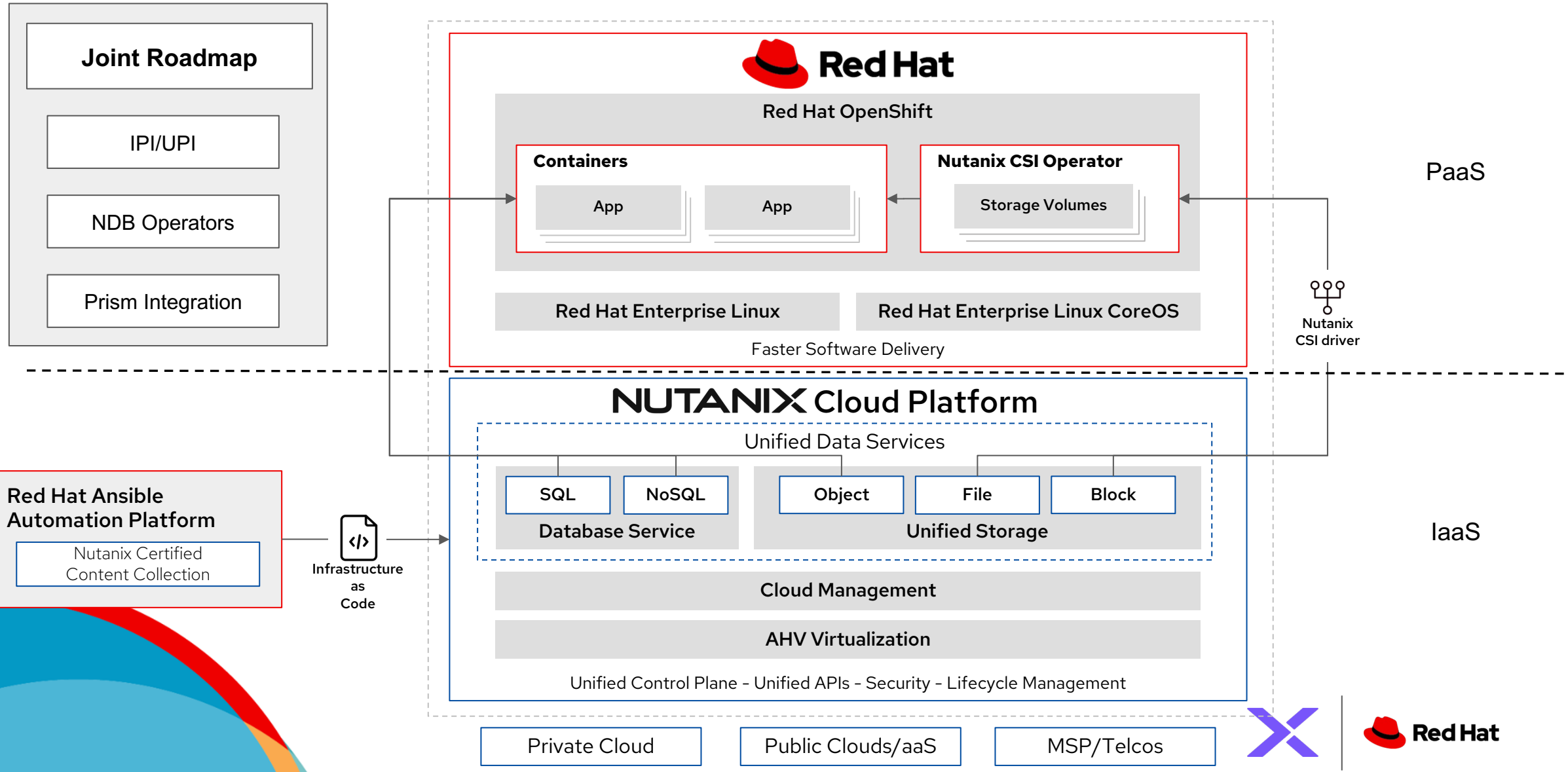
Modern apps need advanced Data Services

- Files, Objects and DBaaS
- Security
- Cloud native stacks / Multicloud mobility
- Invisible infrastructure
- Disaster recovery

Nutanix delivers:

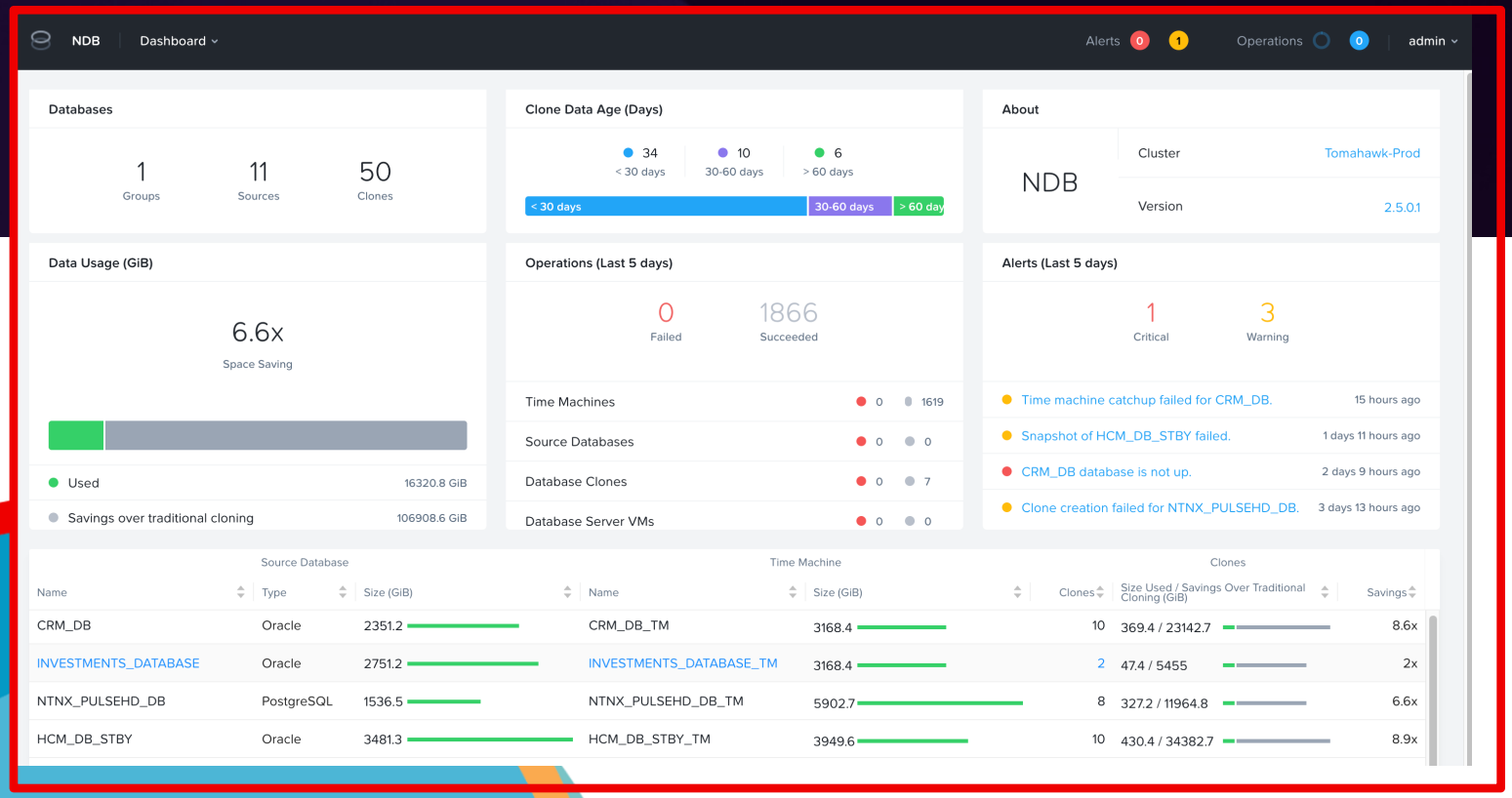
- Ecosystem of partners
- Advanced data services
- Built-in Files and Objects
- Self-service database automation
- Automated infrastructure

Red Hat & Nutanix Architecture



Openshift & Nutanix DBaaS

Announcing the Nutanix Database Service Operator for Kubernetes with support for PostgreSQL, MongoDB, and Microsoft SQL Server

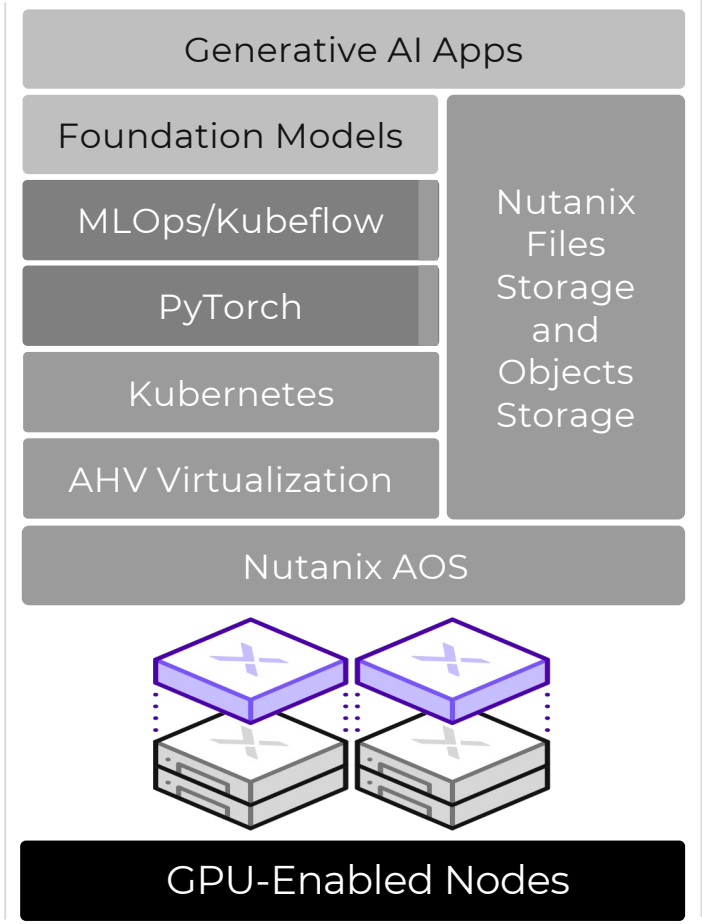



```yaml
apiVersion: ndb.nutanix.com/v1alpha1
kind: Database
metadata:
  # This name that will be used within the kubernetes cluster
  name: db
spec:
  # NDB server specific details
  ndb:
    # Cluster id of the cluster where the Database has to be provisioned
    # Can be fetched from the GET /clusters endpoint
    clusterId: "Nutanix Cluster Id"
    # Credentials secret name for NDB installation
    # data: username, password,
    # stringData: ca_certificate
    credentialSecret: ndb-secret-name
    # The NDB Server
    server: https://[NDB IP]:8443/era/v0.9
    # Set to true to skip SSL verification, default: false.
    skipCertificateVerification: true
  # Database instance specific details (that is to be provisioned)
  databaseInstance:
    # The database instance name on NDB
    databaseInstanceName: "Database-Instance-Name"
    # Names of the databases on that instance
    databaseNames:
      - database_one
      - database_two
      - database_three
    # Credentials secret name for NDB installation
    # data: password, ssh_public_key
    credentialSecret: db-instance-secret-name
    size: 10
    timezone: "UTC"
    type: postgres
```

Nutanix GPT-in-a-Box

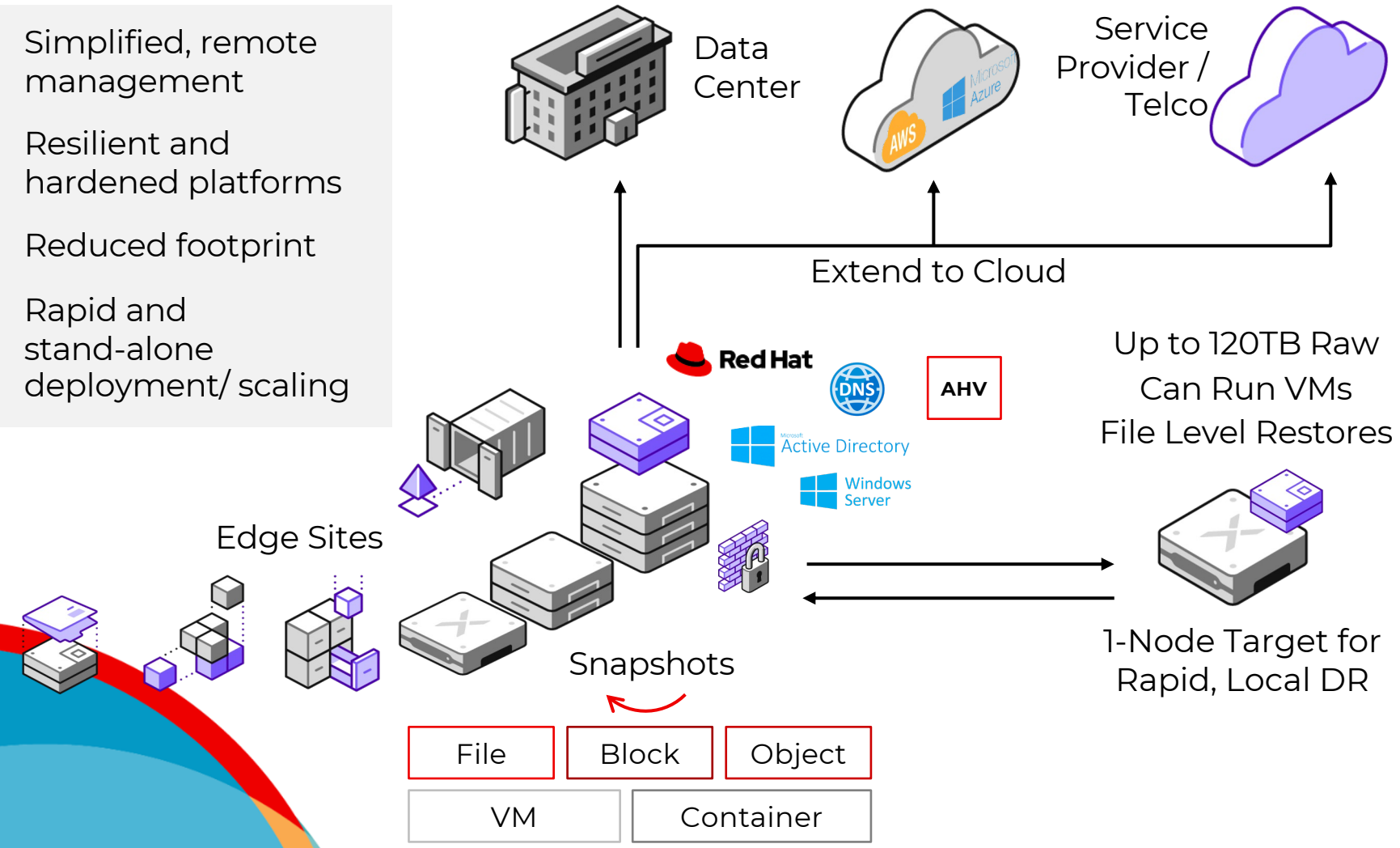
AI-ready platform and services to help organizations size and configure infrastructure suitable to deploy a curated set of LLMs using the leading open-source AI and MLOps frameworks on the Nutanix Cloud Platform.

- Opinionated AI Stack
- GPU-Enabled Nutanix Cloud Platform with NCI, AHV, Kubernetes and Files or Objects storage
- License: NCI ULT, and NUS Pro for 10TB Objects, Files
- Services: Design Workshop, Stack Deployment
- PyTorch (AI framework) & Kubeflow (MLOps)
- BYO GPT: Llama2, Falcon, MPT
- Ideal starting point to explore AI capabilities



Ideal, Agile Platform for Diverse Edge Needs

- Simplified, remote management
- Resilient and hardened platforms
- Reduced footprint
- Rapid and stand-alone deployment/ scaling



- Data integrity and self-healing
- Secure by design
- Streamlined workload deployments
- Data protection and disaster recovery delivered remotely
- Microsegmentation
- GPU support

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Q&A?

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Thank you

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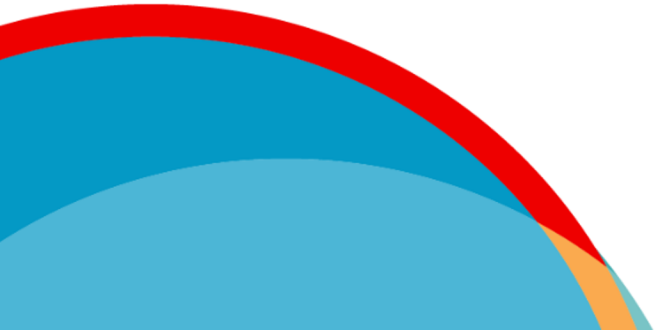
Titolo

Testo:

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