

Red Hat
Summit

Connect

NUTANIX

Potencia tu Data Center con Nutanix y RedHat

Sean Torres

NUTANIX Senior Systems Engineer

The Future

Our Vision

We make hybrid multicloud simple and free customers to focus on achieving their business outcomes

Our Mission

Delight customers with an open hybrid multicloud platform with rich data services to run and manage any application, anywhere

Nutanix Multicloud Platform

Any App, Any Data, Anywhere

Enable Private
Cloud

NCP

Extend To Public
Cloud

NC2

Power
Modern Apps

NKP

Enable
Enterprise AI

GPT-in-a-Box 2.0

Hybrid Multicloud

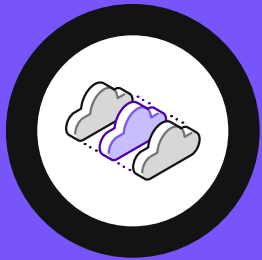
Strategic Alliances

Channel Partners

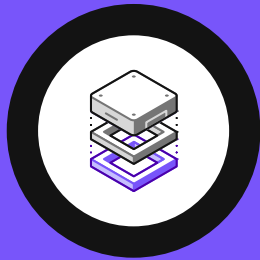
Nutanix Migrations



Run Modern Applications Anywhere



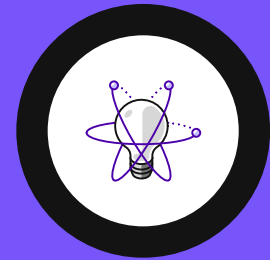
Virtualized Hybrid
Cloud to Cloud
Native and
Multicloud



From IaaS to PaaS



From Storage
Management to
Data Management



Enriched by AI

Nutanix Data Services for Kubernetes



Platform Eng



Cloud Admins



Nutanix Data Services for Kubernetes (NDK)

Nutanix Cloud Infrastructure

NDK


- App-centric Data Mgmt. & DR
- Self-Service for K8s users
- Resource governance for IT

“NDK is a neat implementation of a suite of data protection services delivered using simple, self-service tools and CRDs.”

Kubernetes Infrastructure Admin @ Watchmaker

Focus on Data for K8s Modern Apps


Platform Eng


Cloud Admins

Files, Objects



Database Service

Data Services for K8s

Nutanix Cloud Infrastructure

Edge

Private Cloud

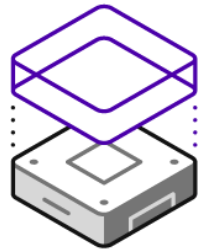
MSPs

Nutanix and Red Hat: Collaborative Power



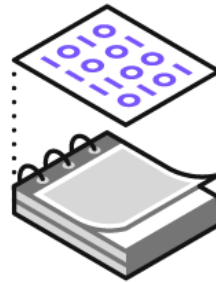
Scalable Infrastructure

Kubernetes Clusters
Worker Node Pools
HCI Infrastructure Scale



Cloud Operating Model

Kubernetes & Virtualization
Seamless Lifecycle Ops
Automation Ready



Consolidated Data Services

Volumes, Files, Objects
Databases as a Service
Certified CSI Drivers



Red Hat Enterprise Linux (RHEL)

Optimized platform for enterprise apps and critical databases



Red Hat OpenShift Container Platform (OCP)

Leading Kubernetes (K8s) platform that runs on hybrid cloud

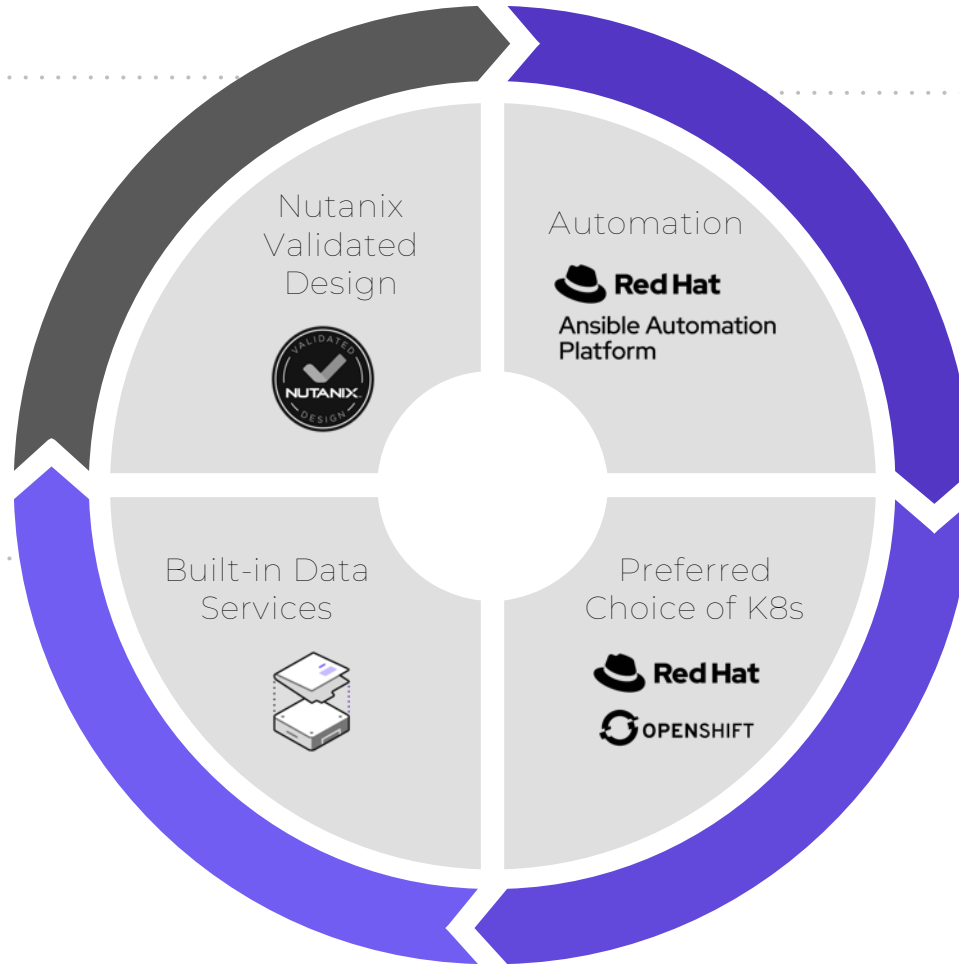
Nutanix Cloud Platform

Nutanix Simplifies Running Modern Apps

Accelerated Time to Value

- Best-in-class Design Guidance
- AOS 6.5 with Red Hat OpenShift
- Enterprise Edge with AI

Databases, Files, Objects
Certified Operators, CSI &
COSI Drivers



Self-Healing Architecture
Linear Performance
Scaling Virtualization

- Red Hat Ansible Certified Content Collection for Nutanix Cloud Platform

Powerful Partnership

- Red Hat is the leader in vendor supported open source platforms, tooling, and automation

How to deploy OCP in Nutanix

1

OpenShift official
Installer for Nutanix

Installer-provisioned-
Infrastructure; or "IPI"

Native automation for
Nutanix platforms

2

Agnostic Installation

Installation manual validated
and available on the public
Nutanix Github

3

Automated Installation
via Ansible or Calm

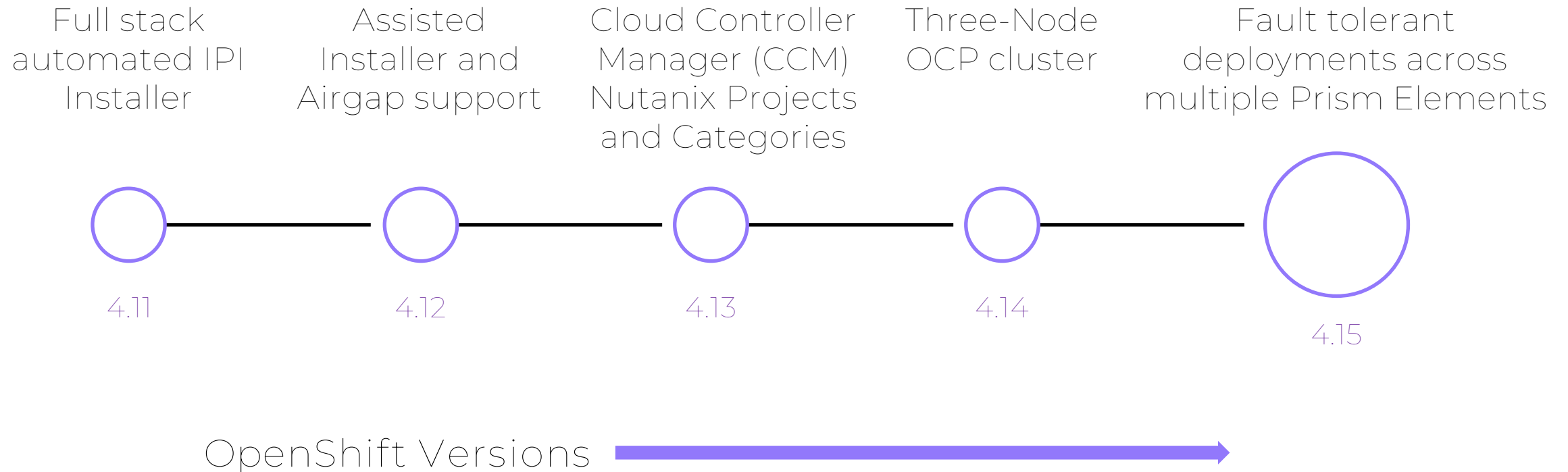
Automated OpenShift install
on Nutanix AOS with Ansible
playbooks or Calm blueprints

4

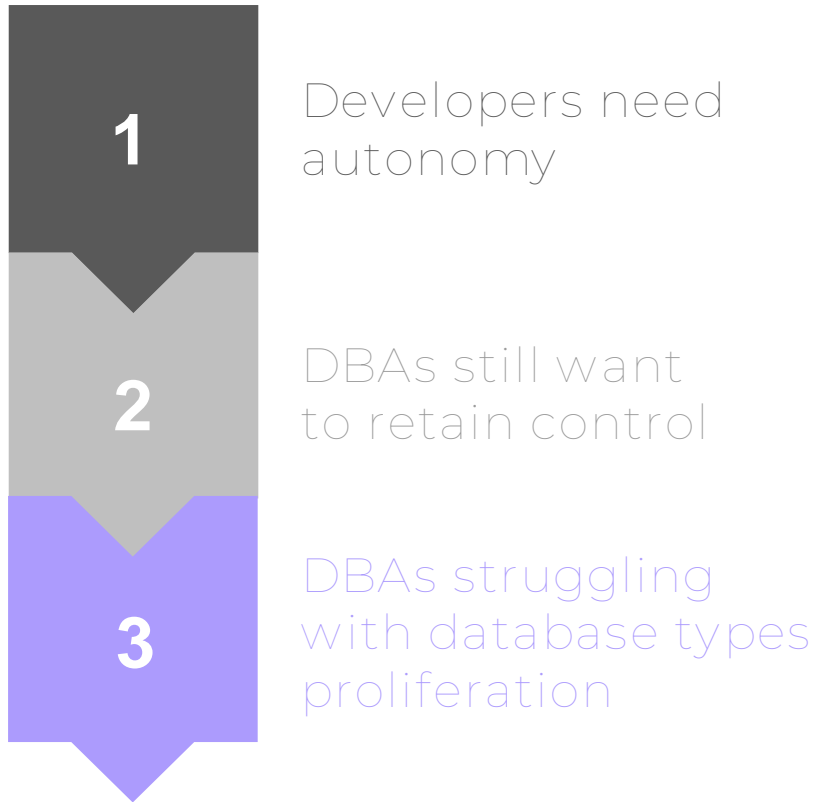
Others

Nutanix Marketplace;
Red Hat "Assisted Installer"
available on
console.redhat.com

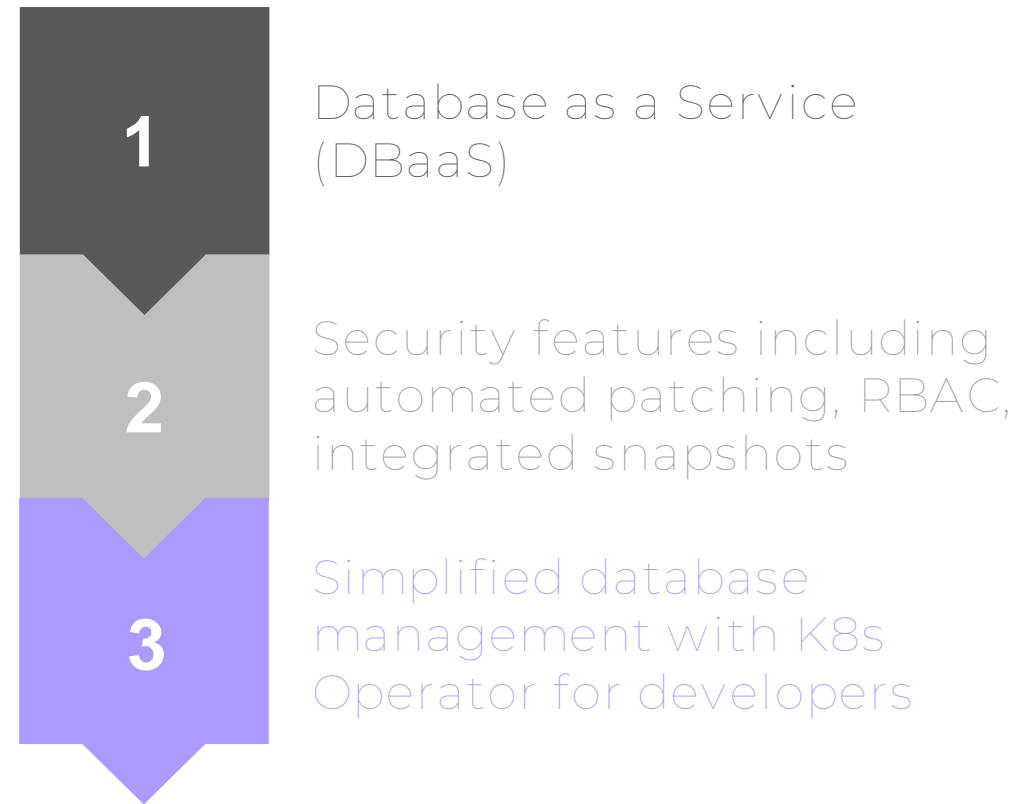
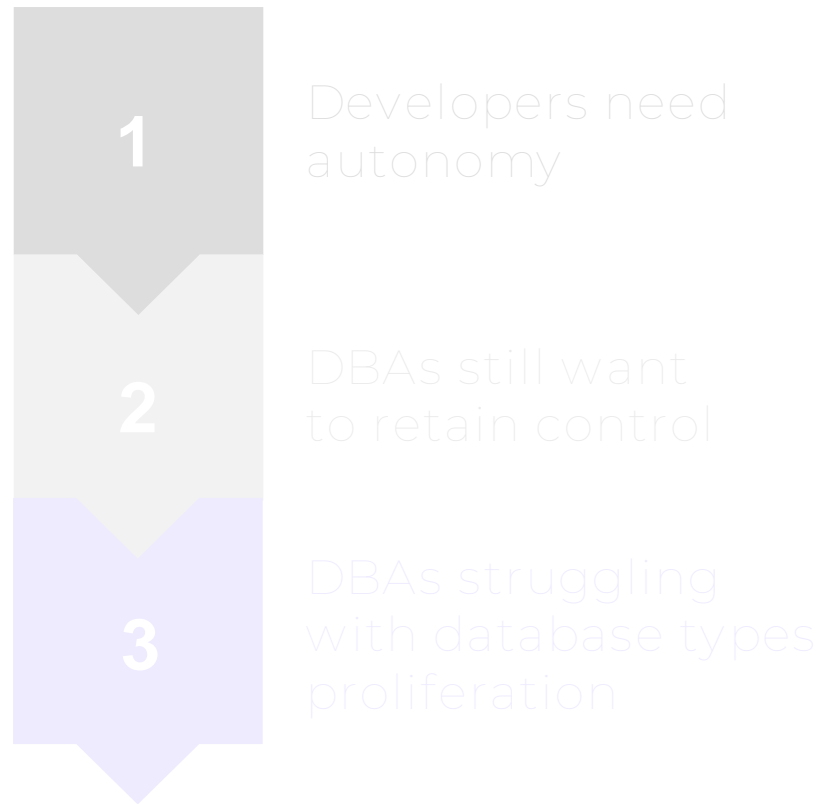
Integration Timeline



And What About My Databases?



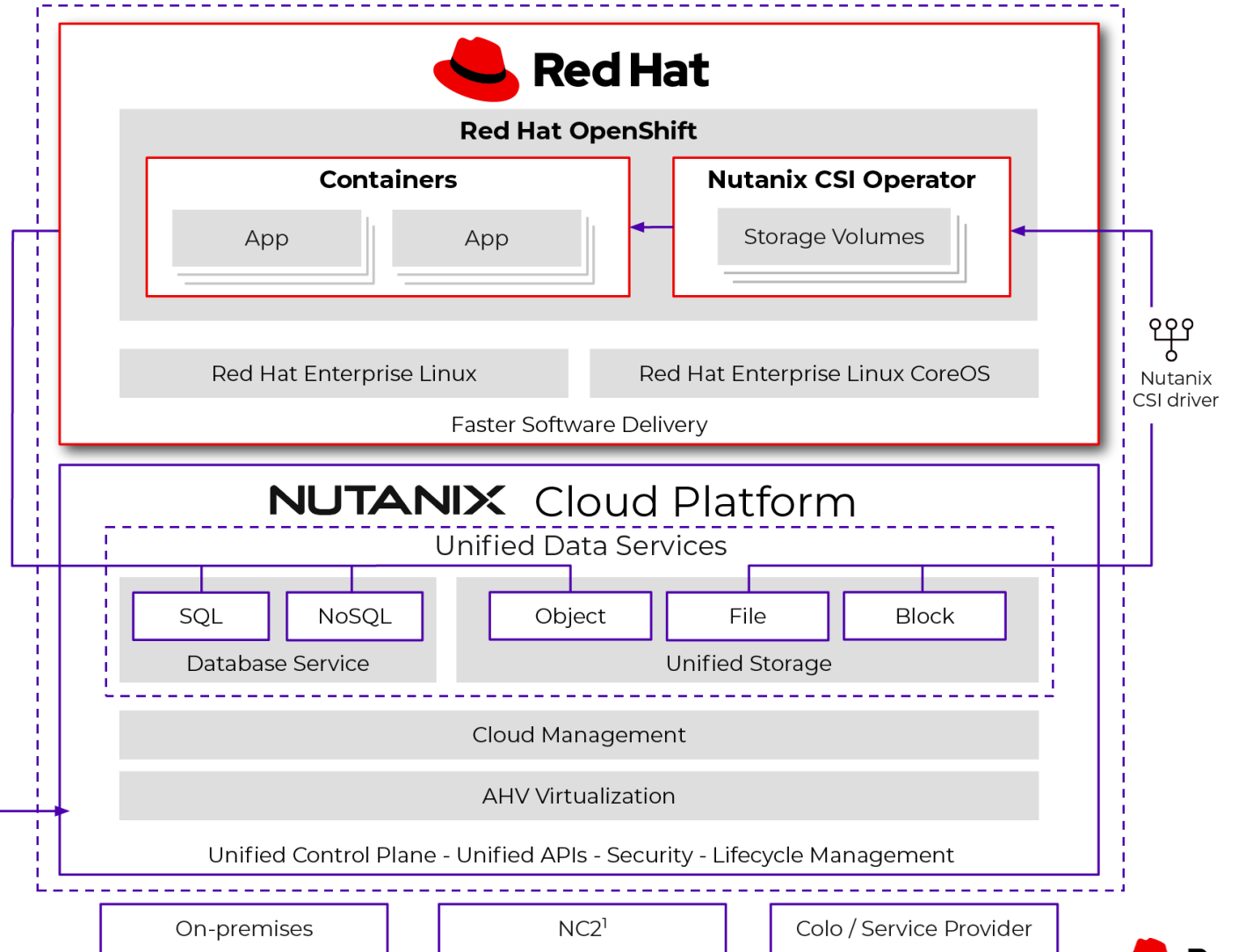
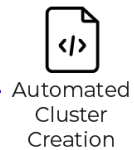
Manage DB Lifecycle Directly from K8s



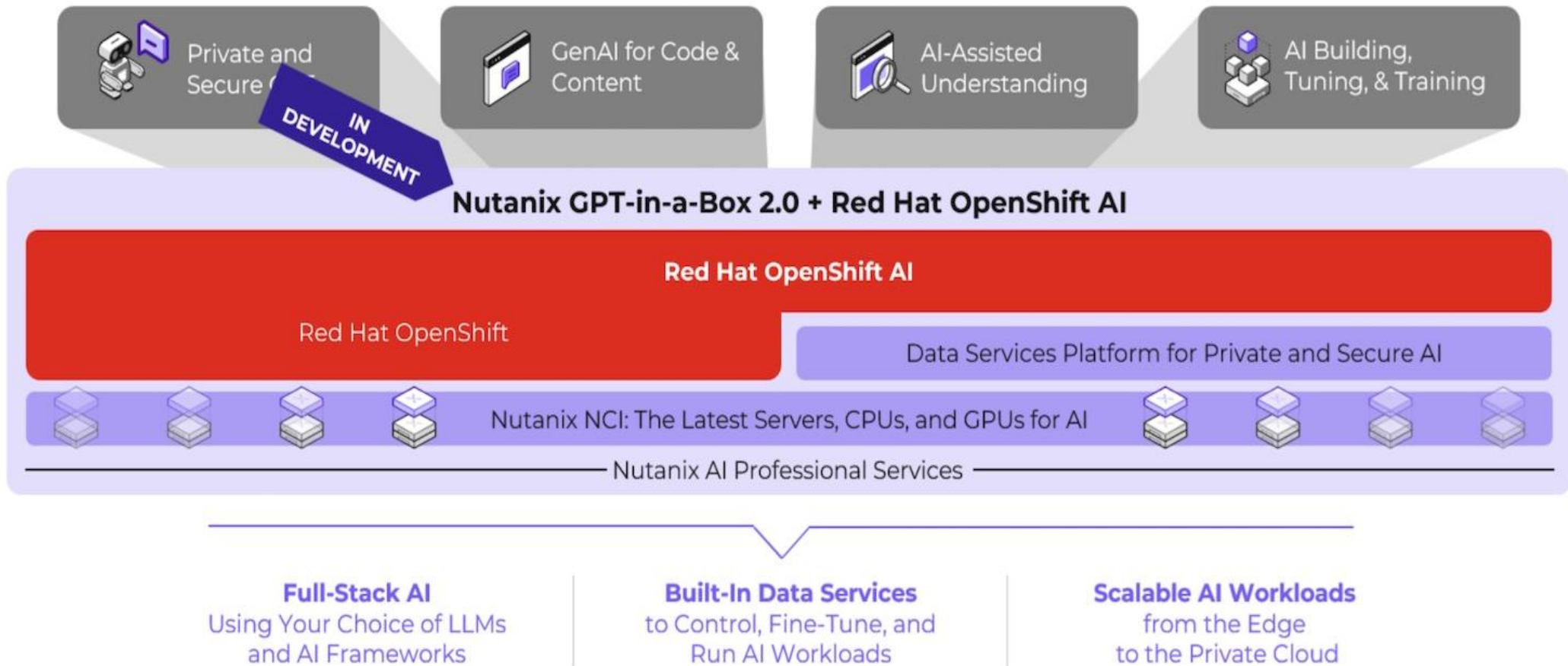
OpenShift on Nutanix

Best-in-class, full-stack solution for DevOps and container management

- Simple to deploy, manage, and scale
- Leverages built-in data services and a full-featured CSI from Nutanix
- Databases can be easily deployed in VMs (via Nutanix NDB) and consumed by OpenShift applications
- Customers get enterprise-grade support from both vendors



Nutanix GPT-in-a-Box with OpenShift AI



But wait, aren't we best friends forever?

NUTANIX



Red Hat

Together, we provide a best-in-class hybrid cloud experience to help you build, scale, and manage traditional and cloud-native applications across the edge, datacenter, and cloud.

Automate traditional infrastructure

Adopt cloud-native technologies

Deploy containerized applications at scale

Support an ever-growing diversity of workloads

Extend platforms and applications to the edge

Next Steps - Take a Test Drive

NUTANIX |  Test Drive

Red Hat OpenShift on Nutanix

Application Modernization with Red Hat OpenShift

Experience how Red Hat OpenShift on Nutanix allows you to build, scale and manage traditional and cloud-native applications.

- ✓ Eliminate complex OpenShift installation methods with fully integrated Nutanix workflows.
- ✓ Learn how running stateful applications just got easier with dynamically provisioned persistent storage.
- ✓ Accelerate your OpenShift Container Platform environment to production by enabling key Nutanix data services.

Application Modernization With Red Hat OpenShift

AHV NUS NCI Red Hat

Openshift NCM

Experience how Red Hat OpenShift on Nutanix allows you to build, scale and manage traditional and cloud-native applications.

[Launch >](#)

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