Nutanix Kubernetes Platform (NKP)

NKP enables organizations to easily overcome Kubernetes Day 2 operational barriers, such as security, observability, reliability, upgradeability, backup and restore, policy management, and governance. This saves time and resources, enabling organizations to operationalize production-ready cloud-native environments in minutes rather than weeks or months.

NKP deployment options include Nutanix, VMware, bare metal servers, and a full range of public cloud, edge and air-gapped environments with or without Nutanix Cloud Infrastructure.

Together with Nutanix Cloud Infrastructure, Nutanix Unified Storage and Nutanix Database Service, NKP Full Stack (NKP FS) delivers a consistent cloud-native platform for containers and VMs across public, private and hybrid multiclouds.

Inclusions

- Nutanix Data Services for Kubernetes (NDK). NDK simplifies and unifies provisioning and operating cloud-native applications by extending enterprise data services to containerized apps.
- AI Navigator. NKP AI Navigator simplifies Kubernetes management and helps platform engineers solve complex problems.
- Insights. NKP Insights leverages AI to get the most out of Kubernetes with anomaly detection with root-cause analysis.
- Nutanix Cloud Infrastructure (NCI). A distributed infrastructure platform for enterprise IT applications.

NKP Editions

- NKP Starter is not available to purchase separately. It is included with NCI Pro and Ultimate.
- NKP Pro and Ultimate can be purchased as add-on licenses to any NCI cluster.

	Starter	Pro	Ultimate
	Nutanix Kubernetes Platform Starter The fastest, easiest way to run Kubernetes on Nutanix	Nutanix Kubernetes Platform Starter An enterprise-ready stack ready to take applications in a cluster to production.	Nutanix Kubernetes Platform Ultimate True fleet management for clusters running on-premises, in the cloud or anywhere.

	Starter	Pro	Ultimate
What you get	The bare minimum to get started with Kubernetes on Nutanix AHV, including: • Unlimited NKP clusters (NCI Pro and Ultimate) • Upstream Kubernetes • Cluster lifecycle management • Air-gapped/dark site • Nutanix CSI driver for persistent storage with Volume Groups and Files Storage • Role-based access control and single-sign-on • Load balancing and ingress services • Rocky Linux OS only (provided by Nutanix)	Everything in Starter with platform services required for running modern applications on production, and: • AI-ready (NVIDIA GPU Operator support) • Bring your own operating system • Runs anywhere: Nutanix, VMware, bare metal, AWS, Azure, and GCP • Observability stack with dashboards, metrics, logs, and tracing • Backup and restore • Disaster recovery with NDK (on NCI) • Service mesh • NKP AI Navigator chatbot • Serverless functions	Everything in Pro with the ability to operate at scale hybrid multicloud environments, including: • Deploy, manage, and extend EKS and AKS cluster capabilities • Kubernetes fleet management • Multitenancy with support for dedicated and shared clusters • Kubernetes Namespace as a Service • GitOps for continuous deployment • Centralized observability • Cost management • Application catalog • NKP Insights analytics and anomaly detection • Attach and manage CNCF Certified Kubernetes

NKP Full Stack Editions

NKP can be purchased as a Full-Stack SKU that includes NCI, NKP, NDK, NUS, and NDB for Pro and Ultimate editions.

- NKP Full Stack licenses are purchased and applied to the number of physical CPU cores in a cluster.
- Licenses are portable across hardware platforms and are available in 1-5-year term options.
- NUS capacity can be extended by purchasing additional NUS mixed-mode licenses.
- NDB capacity can be extended by purchasing additional NDB add-on for NCI licenses.
- NKP FS Ultimate includes metro availability and sync replication.

	Starter	Pro	Ultimate
NCI	NCI Starter	NCI Pro	NCI Ultimate
NKP	NKP Starter	NKP Pro	NKP Ultimate
NDK	NCI	✓	✓
NUS		NUS Pro 5 TiB (per cluster)	NUS Pro 5 TiB (per cluster)
NDB	NCI	NDB 10 vCPUs (per cluster)	NDB 10 vCPUs (per cluster)

NKP Cloud Kubernetes

This NKP Cloud Kubernetes Ultimate SKU is explicitly designed to manage the EKS or AKS environments.

Available SKUs

Type	SKU Format	Example SKU(s)
New NKP Licensing	SW-NKP-[EDITION]-[SUPPORTLEVEL	SW-NKP-PRO-PR
New NKP Full Stack Licensing	SW-NKP-FS-[EDITION]-[SUPPORTLEVEL]	SW-NKP-FS-ULT-PR
New NKP Cloud Kubernetes Licensing	SW-NKP-C8-ULT-[SUPPORTLEVEL]	SW-NKP-C8-ULT-PR
NKP Renewals	RSW-NKP-[FS:C8]-[EDITION]-[SUPPORTLEVEL]	RSW-NKP-PRO-PR RSW-NKP-FS-ULT-PR RSW-NKP-C8-ULT-PR
NKP Upgrades	USW-NKP-[FS]-[FROM:EDITION]-[FROM:SUPPORTLEVEL]-2-[TO:EDITION]-[TO:SUPPORTLEVEL]	USW-NKP-PRO-PR-2-ULT-PR USW-NKP-FS-STR-PR-2-ULT-PR

Editions
PRO – Pro
New NKP Full Stack Licensing

Full Stack Editions
STR – Starter
PRO – Pro
ULT – Ultimate

Cloud Kubernetes Edition
ULT – Ultimate

Support Levels
PR – Production Support
MC – Mission Critical Support
FP – Federal Production Support
FM – Federal Mission Critical Support
AP – Authorized Partner, Production Support
AM – Authorized Partner, Mission Critical Support

Product Add-ons Available

NUS addresses the data challenges of demanding financial services organizations with:

- **Nutanix Unified Storage (NUS)** can be added on to any NCI cluster to get multiprotocol unified storage capabilities.
  - 1 TiB of NUS Pro per NCI cluster is included at no cost with NCI.
  - 5 TiB of NUS Pro per NKP Full Stack Pro or Ultimate cluster is included.
- **Nutanix Database Service (NDB)** can be added on to NCI Pro and Ultimate clusters to add database automation services including provisioning, cloning, copy data management, and lifecycle management capabilities for a large variety of databases.
  - 10 vCPUs of NDB per NKP Full Stack Pro or Ultimate cluster is included.

Pricing, Deployment, and Licensing Terms

Pricing
- NKP is priced on either the number of physical CPU cores if running on bare metal or the number of virtual CPU cores (vCPUs) in your deployment if running on VMs (including in the public cloud), for all the worker nodes (including the worker nodes in a management cluster).
- NKP Full Stack is priced per physical CPU core, and licensing must cover the entire number of cores for the full capacity of the cluster being licensed.
- NKP Cloud Kubernetes is priced per virtual CPU cores (vCPUs), and licensing must cover the entire number of vCPUs for all the worker nodes (including the worker nodes in a management cluster).

Deployment
- Mixing different NKP edition licenses in the same NKP management cluster isn't supported.
- If the same NKP management cluster must manage NKP and EKS or AKS, the only possible licensing option is the NKP Ultimate edition.
- NKP Cloud Kubernetes is available when only managing EKS or AKS. A licensed management cluster running NKP and licensed with NKP Cloud Kubernetes is required.

Licensing Terms
- All SKUs deliver term licenses and are configurable for any duration between 12-60 months. Licenses must be renewed for continued access to software and support.
- Licenses are portable across hardware platforms.
- The Nutanix End-User Licensing Agreement is applicable for all NKP software.

For the latest details on NKP licensing, visit
https://www.nutanix.com/products/cloud-platform/software-options

NUTANIX