DAY 1
DATASHEET

Cloud & IT Automation

FastTrack for Karbon Developer

BENEFITS

- Accelerate your adoption of the Nutanix platform by leveraging experienced consultants
- Get started with Nutanix Karbon and understand how best to leverage Kubernetes-driven applications in private cloud environments
- Identify requirements and considerations to successfully integrate a containerized applications ecosystem

OVERVIEW

Nutanix Karbon enables IT organization to transform existing platform delivery models as well as application development and deployment approaches by offering a fully automated environment for managing Kubernetes clusters. Karbon simplifies the containerized infrastructure operations thanks to its native integration to the Nutanix HCI infrastructure, enabling development and ops teams to concentrate on application-level architectures and dev-ops processes on top of highly scalable Kubernetes-managed clusters.

With the FastTrack for Karbon Developer, you'll achieve the quick win of deploying your first Kubernetes-driven application, guided by experienced consultants to evaluate Nutanix Karbon in your specific environment.

SERVICE SCOPE

- Product overview session introducing Nutanix Karbon
  - Kubernetes technical overview
  - Functional and architectural overview of Nutanix Karbon
    - Cluster deployment modes
    - Integration with HCI resources for compute, storage and networking
    - Sizing and scaling clusters
    - Operational monitoring and logging
    - User and RBAC security management
- Karbon activation in one Prism Central and one cluster deployment
- One Karbon cluster configuration
  - KRBAC configuration on Prism Central and K8S roles
  - Volumes storage class configuration
- One containerized CICD infrastructure configuration
  - Jenkins deployment and configuration
  - Gitlab code repository deployment and configuration
  - Container private registry deployment and configuration
- One application deployment
  - 1 x application docker image build pipeline
  - 1 x application deployment pipeline
  - 1 x ingress controller deployment
- One application release
  - 1 x automated application release with CICD pipeline demonstration

NUTANIX™

©2021 Nutanix, Inc. All Rights Reserved

PREREQUISITES

- Appropriate Nutanix product licenses
- Existing and functional Nutanix platform running latest versions of AOS, Prism Central and AHV
- Full system backups before deployment

Note: This FastTrack is not intended for air-gapped environments.

DELIVERABLES

- Product overview session
- Karbon activation on one Prism Central
- 1 x Karbon cluster deployment and configuration
- 1 x containerized CICD platform deployment
- 1 x application deployment and CICD pipeline integrationr
- Artifacts
  - Components model document
  - Operations manual:
    - Karbon cluster deployment procedure
    - Karbon cluster configuration
    - Application deployment
    - Release management through CICD
  - JSON file for 1 x Karbon cluster silent deployment
  - K8S manifests for cluster configuration
  - K8S manifests for application deployment
  - Associated Jenkins pipelines

TASK

Project kickoff	All
Nutanix FastTrack Karbon and solution overview	All
Product overview session	All
Karbon technical assistance (cluster deployment, configuration and operations setup)	Nutanix, Ops
Application deployment and CICD tasks	Nutanix, Devs, Ops
Project signoff	All

TERMS AND CONDITIONS

This document contains the entire scope of the service offer. Anything not explicitly included above is out of scope. This service offer is subject to the Nutanix Services General Terms and Conditions that can be viewed at https://www.nutanix.com/support-services/consulting-services/terms-and-conditions

NUTANIX™
YOUR ENTERPRISE CLOUD

T. 855.NUTANIX (855.688.2649) | F. 408.916.4039
info@nutanix.com | www.nutanix.com | @nutanix

©2021 Nutanix, Inc. All rights reserved. Nutanix, the Nutanix logo and all product and service names mentioned herein are registered trademarks or trademarks of Nutanix, Inc. in the United States and other countries. All other brand names mentioned herein are for identification purposes only and may be the trademarks of their respective holder(s).