

# Database Modernization

## FastTrack for Nutanix Database Service

### BENEFITS

- Accelerate your adoption of the Nutanix platform by leveraging experienced consultants
- Get started with NDB platform and understand how to simplify database operations in your environment.
- Lower risk with a comprehensive design tailored to your specific requirements
- Identify requirements and considerations to successfully deploy and/or migrate your databases to the Nutanix platform

### OVERVIEW

Nutanix Database Service (NDB), formerly Era, makes Nutanix Enterprise Cloud the ideal platform to run databases. NDB is a software suite that automates and simplifies database administration, bringing one-click simplicity and invisible operations to database life cycle management (LCM) such as database provisioning, copy data management, data protection and patch management services. The API-first architecture makes it easy to integrate Database as a Service (DBaaS) into your environment.

The NDB FastTrack Service provides you with hands-on experience, guided by experienced consultants, to evaluate and implement NDB in your environment. With this workshop, you can rapidly gain experience in this product and learn how to leverage it to simplify your database operations.

The Database Reference VM on Nutanix service helps you build a database reference VM with Nutanix best practices applied on the Nutanix Enterprise Cloud platform. The Reference VM can then be used as a template to create new SQL Server VMs or registered with NDB to create a software profile.

### SERVICE SCOPE

Deliver a product overview session introducing NDB

- Architectural overview and review of Nutanix AOS, AHV, Prism and NDB components
- Review features and functions of NDB, including database provisioning, cloning and patch management along with common use cases
- Participate in a deep-dive session describing NDB constructs such as profiles, Time Machines and programmatic access via CLI and API interfaces
- Demonstrate the use of software, compute, network and database parameter profiles for the purposes of showcasing one-click database provisioning
- Demonstrate how an existing database server running on Nutanix can be registered and protected by NDB Time Machine to facilitate database protection and database cloning
- Demonstrate (in a non-production environment) how to streamline and simplify patch management of databases
- Discuss different approaches to migrate legacy virtual and physical databases to the Nutanix platform

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## PREREQUISITES

- Existing and functional Nutanix platform running latest versions of AOS, AHV/ESX
- Appropriate Nutanix product licenses
- For brownfield cloning, databases already running on Nutanix and adhering to best practices
- An existing database server that meets NDB requirements to register with NDB
- Reference VM operating system, database software and resource details
- Operation system and database binaries downloaded and ready to use

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## DELIVERABLES

- NDB As-built Guide
- Knowledge Transfer Workshop

### Design and set up NDB:

- Create one compute, one network (clustered network profile, if needed) and one database parameter profile for one database of your choice (Oracle databases or Microsoft SQL Server, MySQL, MariaDB or PostgreSQL)
- Clone database data from a Time Machine into new and existing database servers running on Nutanix, including scheduled data refresh (validate up to 2 database clones)
- Create required networks/vLANs in Prism Element, add vLAN(s) to NDB and then create the network profile
- Demonstrate and showcase NDB-managed database patching workflows (Oracle only and up to one Oracle database server)
- Demonstrate and set up RBAC and notifications (up to 2 user accounts)

### Create Database Reference VM or validate and update a brownfield VM to create software profile:

- Collect reference VM details such as operating system, database version, resources required (CPU, memory, hard disk, etc.)
- Build reference VM or update an existing brownfield database VM
- Discuss best practices implemented in the reference VM

**Note:** Service includes one database type (Oracle, SQL Server or PostgreSQL)

**Note:** One FastTrack for NDB is required per cluster

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## TASK

	Duration
FastTrack for NDB	typically 4 days

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## TERMS AND CONDITIONS

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