Database Design Workshop

Product Code: CNS-DBM-A-WRK-DES-STD

At-a-Glance

Stage: Design

The Database Design Workshop provides invaluable support to database teams by offer in-depth and practical guidance for creating a robust and comprehensive design tailored explicitly for running databases on Nutanix Cloud Infrastructure (NCI) clusters or Nutanix Cloud Clusters (NC2).

This workshop covers critical aspects, including capacity planning, performance optimization, security considerations, and ensuring high availability. The workshop proves particularly beneficial during the Design stage of a hybrid multicloud journey, especially for complex database solutions such as Database-as-a-Service (DBaaS). By leveraging the expertise gained from the workshop, database teams can ensure an optimized and well-architected database environment, enhancing performance, security, and overall operational efficiency.

Related Services

- Database Planning and Assessment Workshop
- Database Recommended Practices

Service Scope

Highly skilled consultants with strong database domain expertise and rich experience begin with assessing the existing database environment and understanding capacity, performance, security, and availability requirements. After the design workshop, the consultant develops a Database Design Document and Configuration workbook that addresses conceptual, logical, and physical database design elements. It also details requirements, constraints, assumptions, design decisions, identified risks, and mitigations. Database workshops require collaboration with key customer stakeholders from architecture, databases, and applications.

The service includes the following activities:

- Conduct a database design workshop:
  - Discuss the design goals and gather business and technical requirements, including risks, constraints, and assumptions
  - Review and validate requirements against existing NCI or NC2 cluster(s)
- Create a database design addressing requirements identified during the workshop, including:
  - NCI or NC2 cluster and database virtual machine (VM) sizing
  - NCI or NC2 cluster design, if applicable
  - Network requirements
  - Security
  - Data protection
  - Availability
  - Recoverability

- Ensure that the design includes recommended practices for both infrastructure and database engine

Limitations

- For each quantity purchased, design is limited to up to 5 databases for one of the supported databases listed below

Supported Databases

- Microsoft SQL Server
- Oracle
- PostgreSQL

Supported Hypervisors

- Nutanix AHV
- VMware ESXi

Prerequisites

- Completed Database Configuration Worksheet
- Existing database and database VM performance metrics

Required Product Licenses

- None

Delivered Artifacts

- Design Document

Level of Effort

Typically up to 3 days

Delivery Type

Delivery Type	Delivery Activities
In-person	• In-person workshop • Virtual documentation

Related Products

- Nutanix Cloud Infrastructure (NCI)
- Nutanix Cloud Clusters (NC2)
- Nutanix Database Service (NDB)

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