



EDB

Nutanix AHV Implementation Guide

Release 1.0.0

EDB

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CONTENTS

1	'Partner Information'	3
2	'Solution Summary'	5
3	'Configuring the Integration'	7
3.1	Prerequisites	7
3.2	Deploying VMs Using AHV	7
4	'Using Nutanix AHV'	9
5	'Certification Environment'	11
5.1	Hypervisor (AHV) 20170830.453 Test Environment	11
5.2	VMware ESXi 6.7.0.40000 Test Environment	11
6	'Appendix'	13

EDB GlobalConnect Technology Partner Implementation Guide
Nutanix AHV

‘PARTNER INFORMATION’

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Partner Name	Nutanix
Partner Product	Nutanix AHV
Web Site	www.nutanix.com
Version & Platform	20170830.453, Available (Guest OS) platforms: Ubuntu, CentOS
Product Description	AHV is the native Nutanix hypervisor that offers virtualization capabilities needed to deploy and manage enterprise applications.

‘SOLUTION SUMMARY’

EDB Postgres Advanced Server, EDB Failover Manager, Postgres Enterprise Manager, and Backup and Recovery Manager can each be deployed on virtual machines created via the native Nutanix hypervisor, AHV or VMWare ESXi. AHV represents a unique approach to virtualization that offers powerful capabilities needed to deploy and manage enterprise applications. AHV complements the value of Hyper-converged infrastructure (HCI) by integrating native virtualization along with networking, infrastructure, and operations management within a single intuitive interface - Nutanix Prism.

The following diagram shows a high-level architecture of the Nutanix platform:

‘CONFIGURING THE INTEGRATION’

Implementing EDB software on Nutanix AHV requires the following components:

- EDB Postgres Advanced Server
- Nutanix software

Sample deployment:

3.1 Prerequisites

- A running Nutanix cluster with AHV.
- Access to the Prism web console.

For more details, read the [Prism Central Guide](#) .

3.2 Deploying VMs Using AHV

To create a Virtual Machine (VM) via AHV:

1. On Prism Central, select **CreateVM** . Watch this [video](#) from Nutanix for more information.
2. Enter the appropriate values for your configuration. For example, these are the specifications for a test environment: edb_notranlate_0

Note: Mount the CD-ROM with CentOS7 ISO available via the Image Service.

3. Select **Save** .
4. Install EDB Postgres Advanced Server. Refer to the [EDB Postgres Advanced Server documentation](#) .
5. Install the other EDB tools needed for your configuration in the appropriate VMs. Refer to the [EDB documentation](#) .

‘USING NUTANIX AHV’

Nutanix AHV hosts the virtual machines created so that you can deploy / redeploy them as needed.

To use Nutanix AHV:

1. Log in to Prism.
2. Go to the **Table** tab where you can view the virtual machines deployed via Nutanix AHV. For example, this screenshot shows VMs that host the following EDB products:
 - EDB Postgres Advanced Server - Failover Manager - Postgres Enterprise Manager - Backup Recovery Manager

Note: The screenshot contains information about our test environment and is not intended for a production environment.

‘CERTIFICATION ENVIRONMENT’**5.1 Hypervisor (AHV) 20170830.453 Test Environment**

1	2
Certification Test Date	April 10 2021
EDB Postgres Advanced Server	10,11,12,13
Postgres Enterprise Manager	8.0
EDB Failover Manager	4.1
barman	2.12
Memory	8GB
CPU(s)	2
Platform	Nutanix

5.2 VMware ESXi 6.7.0.40000 Test Environment

1	2
Certification Test Date	April 10 2021
EDB Postgres Advanced Server	10,11,12,13
Postgres Enterprise Manager	8.0
EDB Failover Manager	4.1
barman	2.12
Memory	8GB
CPU(s)	2
Platform	Nutanix

‘APPENDIX’

For all things Nutanix, refer to the [Nutanix Bible](#).

Note: Testing of EDB products was also performed on VMs deployed using the VMWare ESXi hypervisor on the Nutanix platform.
