

## **EMC<sup>®</sup> VNX<sup>®</sup> Replicator Enabler for EMC VNX SRA**

Version 5.0.15

### **Release Notes**

P/N 300-012-685

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These release notes contain supplemental information about EMC<sup>®</sup> VNX<sup>®</sup> Replicator Enabler for EMC VNX SRA. Topics include:

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## Revision history

| Revision | Date           | Description   |
|----------|----------------|---|
| A01      | September 2011 | General availability of the product   |
| A02      | June 2012      | Bug fixes and performance enhancements  |
| 03       | September 2012 | <ul style="list-style-type: none"><li>◆ Improvements verifying the availability of destination LUNs and file systems for writeable snapshots</li><li>◆ 64-bit support for SRM 5.1</li><li>◆ Bug fix enabling discovery of all peer arrays in multiple-peer arrays</li></ul> |

## Product description

The EMC VNX SRA for VMware vCenter™ Site Recovery Manager 5 (VNX SRA) is a software package that enables VMware vCenter Site Recovery Manager (SRM) to implement disaster recovery for VMware® ESX™ server virtual machines by using EMC storage platforms.

The EMC VNX Replicator Enabler for EMC VNX SRA (VNX Replicator Enabler) specifically enables VNX SRA to manage EMC VNX series and EMC Celerra® systems during disaster recovery.

## New features and changes

The following are new features and changes.

- ♦ 5.0.15 release:
  - When creating a writable snapshot for a test failover, Replicator Enabler now verifies whether or not the destination file system or LUN is available for a snapshot before proceeding to create the writeable snapshot. To set up this verification, see step 6 under “[Install the VNX Replicator Enabler](#)” in these release notes.
  - Replicator Enabler now supports SRM 5.1, which supports 64-bit operating systems.
- ♦ 5.0.12 release:
  - Various performance enhancements were made to lessen the time it takes to discover devices, as well as to perform sync, test failover, and failover operations.

## Fixed problems

The following problem was fixed in this release:

- ♦ Replicator Enabler now discovers all peer arrays in arrays that have multiple peer arrays.

## Environment and system requirements

The VMware environment at both the protected (primary) and recovery (secondary) sites must meet the following requirements.

- ♦ The appropriate versions of VMware vCenter Server and VMware vCenter SRM are installed:
  - 32-bit systems — VMware vCenter Server 5.0 and VMware vCenter SRM 5.0
  - 64-bit systems — VMware vCenter Server 5.1 and VMware vCenter SRM 5.1

- ♦ VNX Replicator is configured correctly for SRM to facilitate disaster recovery operations.
- ♦ VMware vCenter SRM server is installed with the following:
  - VNX SRA
  - VNX Replicator Enabler

The server can be a vCenter server or a Windows host, and it must have one or more VMware ESX 4.1 U1, ESXi 5.0, or ESXi 5.1 servers connected to an EMC platform.

## Limitations

There are no known limitations.

## Technical notes

The VNX SRA and VNX Replicator Enabler allow VMware vCenter SRM to automatically drive the setup, testing, and failover portions of the disaster recovery processes for VNX and Celerra platforms. The *VMware vCenter Site Recovery Manager Administration Guide*, available on the VMware website, provides information about these procedures.

## Documentation

| Part number | Description  |
|-------------|--|
| 300-012-685 | EMC VNX Replicator Enabler for EMC VNX SRA Release Notes |

Documentation for VMware vCenter SRM can be found at [http://www.vmware.com/support/pubs/srm\\_pubs.html](http://www.vmware.com/support/pubs/srm_pubs.html).

## Software media, organization, and files

| File name  | Description   |
|--|---|
| EMC_VNX_Replicator_Enabler_for_VNX_SRA_v5.0.15.exe       | Installer for EMC VNX Replicator Enabler for EMC VNX SRA Version 5.0.1 – 32 bit |
| EMC_VNX_Replicator_Enabler_for_VNX_SRA_v5.0.15_64bit.exe | Installer for EMC VNX Replicator Enabler for EMC VNX SRA Version 5.0.1 – 64 bit |

## Installation

Before installing the VNX Replicator Enabler, install the VMware vCenter SRM server and EMC VNX SRA on a supported host at both the protected and recovery sites.

### Install the VNX Replicator Enabler

Complete the following steps to install the VNX Replicator Enabler on both the protected and recovery SRM servers:

1. Run the appropriate installer.
2. After the VNX Replicator Enabler is installed on the protected and recovery SRM servers, launch VMware vSphere™ Client on the protected vCenter site.
3. Click **Site Recovery** in the **Solutions and Applications** section of the **vSphere client** home page.
4. Connect the protected and recovery sites as described in the *VMware vCenter Site Recovery Manager Administration Guide* from VMware.
5. Set up inventory mappings and protection groups as described in the *VMware vCenter Site Recovery Manager Administration Guide* available on the VMware website.

6. Right-click each site and select **Advanced Settings**. Select **storage** from the left pane of the **Advanced Settings** dialog and change the **storage.commandTimeout** field to 600 seconds.
7. Click **Array Managers** on the bottom of the left pane. For each site, click the **SRA** tab in the right pane.
8. Click the **Reload SRAs** link.
9. Create **Protection Groups** and **Recovery Plans** as outlined in the *Site Recovery Manager Administration Guide*, which is available on the VMware website.

## Troubleshooting and getting help

EMC support, product, and licensing information can be obtained as follows.

**Product information:** For documentation, release notes, software updates, or for information about EMC products, licensing, and service, go to <https://support.emc.com>.

**Technical support:** For technical support, go to the EMC Service Center at <https://support.emc.com>. To open a service request, you must have a valid support agreement. Please contact your EMC sales representative for details about obtaining a valid support agreement or to answer any questions about your account.

For more details on configuration and best practices with SRM, refer to the documents available at <https://support.emc.com>.

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