

NEC Storage Replication Navigator
ControlCommand for Oracle Ver2.2
Installation Guide

Preface

Thank you for purchasing NEC Storage Replication Navigator ControlCommand for Oracle.

This installation guide explains how to install NEC Storage Replication Navigator ControlCommand for Oracle. For details about how to use this product, see the electronic manual on the CD.

Notes


1. This product supports Windows Server 2003 , Windows Server 2008 , and Windows Server 2012.
2. Unless the longer names are required, the following abbreviations are used in this guide.

Abbreviation	Product name
Replication Navigator ControlCommand for Oracle	NEC Storage Replication Navigator ControlCommand for Oracle
Storage Manager	NEC Storage Manager
ControlCommand on Windows	NEC Storage ControlCommand on Windows
Protection Manager	NEC Storage Protection Manager

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- Other product names and company names, etc. are trademarks or registered trademarks of the associated companies.
- In this guide, precautionary notes that you must be especially aware of are indicated as shown below. Make sure to follow these notes.

If you ignore these notes and incorrectly handle the product, the operation of your system might be adversely affected.

Included symbols	
Symbol	Meaning
	Indicates contents for which special caution is required when performing an operation.

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Chapter 1 Setup

1.1 Operating Environments

The Windows Server 2003 operating environments are described below.

Table 1 Operating Environments for Replication Navigator ControlCommand for Oracle

OS	<ul style="list-style-type: none"> Windows Server 2003, Standard Edition (SP1, SP2) Windows Server 2003, Enterprise Edition (SP1, SP2) Windows Server 2003 R2, Standard Edition Windows Server 2003 R2, Enterprise Edition Windows Server 2003 R2, Standard Edition (SP2) Windows Server 2003 R2, Enterprise Edition (SP2) Windows Server 2003, Standard x64 Edition(SP1, SP2) Windows Server 2003, Enterprise x64 Edition(SP1, SP2) Windows Server 2003 R2, Standard x64 Edition Windows Server 2003 R2, Enterprise x64 Edition Windows Server 2003 R2, Standard x64 Edition (SP2) Windows Server 2003 R2, Enterprise x64 Edition (SP2)
Software	<ul style="list-style-type: none"> •BaseProduct (including Storage Manager) •DynamicDataReplication Ver2 or later, RemoteDataReplication Ver2 or later, DynamicSnapVolume, or DynamicSnapVolume Ver3 •AccessControl •ControlCommand on Windows •Protection Manager •Oracle9i Database Release 2 Standard Edition •Oracle9i Database Release 2 Enterprise Edition •Oracle Database 10g Release2 Standard Edition •Oracle Database 10g Release2 Enterprise Edition •Oracle Database 11g Release1 Standard Edition •Oracle Database 11g Release1 Enterprise Edition •Oracle Database 11g Release2 Standard Edition •Oracle Database 11g Release2 Enterprise Edition •EXPRESSCLUSTER X 1.0 / 2.0 / 2.1 / 3.0 / 3.1 / 3.2 / 3.3 •NetBackup 6.0 / 6.5 / 7.0 / 7.1 / 7.5 / 7.6 •Backup Exec 12 / 12.5 / 2010 •ARCserver Backup r11.5 / r12 / r15 / r16 / r16.5
Memory	Minimum required memory for Windows Server 2003: Memory required by the OS + 2.40 MB
Disk space	3.8 MB (not including the trace file)

The Windows Server 2008 operating environments are described below.

Table 2 Operating Environments for Replication Navigator ControlCommand for Oracle

OS	<ul style="list-style-type: none"> Windows Server 2008 Standard (x86) Windows Server 2008 Enterprise (x86) Windows Server 2008 Standard (x64) Windows Server 2008 Enterprise (x64) Windows Server 2008 Standard (x86) (SP2) Windows Server 2008 Enterprise (x86) (SP2) Windows Server 2008 Standard (x64) (SP2) Windows Server 2008 Enterprise (x64) (SP2) Windows Server 2008 R2 Standard Windows Server 2008 R2 Enterprise Windows Server 2008 R2 Standard (SP1) Windows Server 2008 R2 Enterprise (SP1)
Software	<ul style="list-style-type: none"> •BaseProduct (including Storage Manager) •DynamicDataReplication Ver2 or later, RemoteDataReplication Ver2 or later, DynamicSnapVolume, or DynamicSnapVolume Ver3 •AccessControl •ControlCommand on Windows •Protection Manager •Oracle Database 10g Release2 Standard Edition •Oracle Database 10g Release2 Enterprise Edition •Oracle Database 11g Release1 Standard Edition •Oracle Database 11g Release1 Enterprise Edition •Oracle Database 11g Release2 Standard Edition •Oracle Database 11g Release2 Enterprise Edition •Oracle Database 12c Release1 Standard Edition •Oracle Database 12c Release1 Enterprise Edition •EXPRESSCLUSTER X 2.0 / 2.1 / 3.0 / 3.1 / 3.2 / 3.3 •NetBackup 6.5 / 7.0 / 7.1 / 7.5 / 7.6 •Backup Exec 12 / 12.5 / 2010 •ARCserve Backup r12 / r12.5 / r15 / r16 / r16.5
Memory	Minimum required memory for Windows Server 2008: Memory required by the OS + 2.40 MB
Disk space	3.8 MB (not including the trace file)

The Windows Server 2012 operating environments are described below.

Table 3 Operating Environments for Replication Navigator ControlCommand for Oracle

OS	Windows Server 2012 Standard Windows Server 2012 Datacenter Windows Server 2012 R2 Standard Windows Server 2012 R2 Datacenter
Software	<ul style="list-style-type: none"> •BaseProduct (including Storage Manager) •DynamicDataReplication Ver2 or later, RemoteDataReplication Ver2 or later, DynamicSnapVolume, or DynamicSnapVolume Ver3 •AccessControl •ControlCommand on Windows •Protection Manager •Oracle Database 11g Release2 Standard Edition •Oracle Database 11g Release2 Enterprise Edition •Oracle Database 12c Release1 Standard Edition •Oracle Database 12c Release1 Enterprise Edition •EXPRESSCLUSTER X 3.1 / 3.2 / 3.3 •NetBackup 7.6 •ARCserve Backup r16.5
Memory	Minimum required memory for Windows Server 2012: Memory required by the OS + 2.40 MB
Disk space	3.8 MB (not including the trace file)

1.2 Installation and Uninstallation

1.2.1 Installation

To install Replication Navigator ControlCommand for Oracle, perform the procedure below.

When installing, make sure of the following:

- You are logged in with Administrator privileges.
- No programs are running.

[Installing Replication Navigator ControlCommand for Oracle]

1. Insert the Replication Navigator ControlCommand for Oracle CD into the CD-ROM drive.

For this procedure, the "X:" drive is assumed to be assigned to the CD-ROM drive.

2. From the Windows **Start menu, select **Run**.**

The **Run** dialog box appears.

3. Enter "X:\SETUP\SETUP.EXE", and then click **OK.**

The **Welcome** dialog box appears.

4. Click **Next.**

The **License Agreement** dialog box appears.

5. Read carefully the terms and conditions of the **License Agreement, and if they are agreeable, Click on **I accept the terms of the license agreement**. Click **Next**.**

The **Customer Information** dialog box appears.

6. Enter values for User Name and Company Name, and then click **Next.**

The **Choose Destination Location** dialog box appears.

7. If necessary, change the default installation destination, and then click **Next.**

If you change the installation destination, do not specify the installation destination of another product.

If the server is in cluster system, specify the same installation destination.

The **Ready to Install the Program** dialog box appears.

8. Click **Install.**

The installation begins. Wait until a message reporting that the installation has finished appears.

9. Click **Finish.**

When the installation finishes, the following directory is added to the system environment variable.

RNORA_HOME_DIR:

- <the installation directory of Replication Navigator ControlCommand for Oracle>

In order to reflect the system environment variable to operation tools that operate Replication Navigator ControlCommand for Oracle, restart the system.

1.2.2 Uninstallation

To uninstall Replication Navigator ControlCommand for Oracle, perform the procedure below.

When uninstalling, make sure of the following:

- You are logged in with Administrator privileges.
- No programs are running.

If you want to delete the definition file that is created in operation after installation, execute iSMrnora_defdelete command before uninstalling.

Also logfiles, backup data that has been acquired in the backup directory will be saved even after uninstalling. If unnecessary, remove it by hand.

[Uninstalling Replication Navigator ControlCommand for Oracle]

- 1. If operation definition file used is not required in the operation, execute iSMrnora_defdelete command and delete it.**

Execute iSMrnora_defdelete command.

- 2. From the Windows Start menu, select Control Panel.**

The **Control Panel** appears.

- 3. Open Add or Remove Programs or Programs and Features.**

The **Add or Remove Programs** dialog box or the **Programs and Features** dialog box appears.

- 4. Select Replication Navigator ControlCommand for Oracle from under Currently installed programs or Uninstall or a change program, and then click Remove or Uninstall.**

The **Confirm Uninstall** dialog box appears.

- 5. Click OK.**

Uninstallation begins. When the uninstallation finishes, the **InstallShield Wizard Complete** window appears.

- 6. Click Finish.**

1.2.3 **Updating**

To update Replication Navigator ControlCommand for Oracle, install the software after uninstalling one. See the “1.2.1 Installing”, “1.2.2 Uninstalling”.

Chapter 2 Preparing for Operation

For the flow for specifying the required environment settings for using Replication Navigator ControlCommand for Oracle and the procedures for these settings, see Chapter 4 *Preparation for Operation* in the *iStorage Software Replication Navigator ControlCommand for Oracle User's Guide(IS104)*.