

# CA Desktop Migration Manager

## DMM Deployment Setup Guide

Service Pack 12.8.01



This Documentation, which includes embedded help systems and electronically distributed materials, (hereinafter referred to as the "Documentation") is for your informational purposes only and is subject to change or withdrawal by CA at any time. This Documentation is proprietary information of CA and may not be copied, transferred, reproduced, disclosed, modified or duplicated, in whole or in part, without the prior written consent of CA.

If you are a licensed user of the software product(s) addressed in the Documentation, you may print or otherwise make available a reasonable number of copies of the Documentation for internal use by you and your employees in connection with that software, provided that all CA copyright notices and legends are affixed to each reproduced copy.

The right to print or otherwise make available copies of the Documentation is limited to the period during which the applicable license for such software remains in full force and effect. Should the license terminate for any reason, it is your responsibility to certify in writing to CA that all copies and partial copies of the Documentation have been returned to CA or destroyed.

TO THE EXTENT PERMITTED BY APPLICABLE LAW, CA PROVIDES THIS DOCUMENTATION "AS IS" WITHOUT WARRANTY OF ANY KIND, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NONINFRINGEMENT. IN NO EVENT WILL CA BE LIABLE TO YOU OR ANY THIRD PARTY FOR ANY LOSS OR DAMAGE, DIRECT OR INDIRECT, FROM THE USE OF THIS DOCUMENTATION, INCLUDING WITHOUT LIMITATION, LOST PROFITS, LOST INVESTMENT, BUSINESS INTERRUPTION, GOODWILL, OR LOST DATA, EVEN IF CA IS EXPRESSLY ADVISED IN ADVANCE OF THE POSSIBILITY OF SUCH LOSS OR DAMAGE.

The use of any software product referenced in the Documentation is governed by the applicable license agreement and such license agreement is not modified in any way by the terms of this notice.

The manufacturer of this Documentation is CA.

Provided with "Restricted Rights." Use, duplication or disclosure by the United States Government is subject to the restrictions set forth in FAR Sections 12.212, 52.227-14, and 52.227-19(c)(1) - (2) and DFARS Section 252.227-7014(b)(3), as applicable, or their successors.

Copyright © 2014 CA. All rights reserved. All trademarks, trade names, service marks, and logos referenced herein belong to their respective companies.

## CA Technologies Product References

This documentation set references to the following CA products:

- CA Advantage® Data Transport® (CA Data Transport)
- CA Asset Intelligence
- CA Asset Portfolio Management (CA APM)
- CA Common Services™
- CA Desktop Migration Manager (CA DMM)
- CA Embedded Entitlements Manager (CA EEM)
- CA Network and Systems Management (CA NSM)
- CA Patch Manager
- CA Process Automation
- CA Business Intelligence
- CA Service Desk Manager
- CA WorldView™
- CleverPath™ Reporter

# Contact CA Technologies

## Contact CA Support

For your convenience, CA Technologies provides one site where you can access the information that you need for your Home Office, Small Business, and Enterprise CA Technologies products. At <http://ca.com/support>, you can access the following resources:

- Online and telephone contact information for technical assistance and customer services
- Information about user communities and forums
- Product and documentation downloads
- CA Support policies and guidelines
- Other helpful resources appropriate for your product

## Providing Feedback About Product Documentation

If you have comments or questions about CA Technologies product documentation, you can send a message to [techpubs@ca.com](mailto:techpubs@ca.com).

To provide feedback about CA Technologies product documentation, complete our short customer survey which is available on the CA Support website at <http://ca.com/docs>.

# Contents

---

<b>Chapter 1: Introduction</b>	<b>7</b>
Overview .....	7
DMM Deployment Setup Wizard .....	7
<b>Chapter 2: Working With the DMM Deployment Setup Wizard</b>	<b>9</b>
Create a Migration Solution Package .....	9
Manually Create a Null-Session Share.....	12
DMM Deployment Fails when DMM Source Share is not Linked to an Active Directory .....	13
DMM Apply Procedure Execution Fails during the Restoration Phase on Windows Server 2008 .....	14
<b>Chapter 3: CA DMM Procedures for SD/CA ITCM</b>	<b>15</b>
Package Procedures .....	15



# Chapter 1: Introduction

---

This chapter provides an introduction to the DMM Deployment Setup wizard.

This section contains the following topics:

[Overview](#) (see page 7)

[DMM Deployment Setup Wizard](#) (see page 7)

## Overview

Use DMM Deployment Setup to integrate CA DMM with the software delivery (SD) component of CA ITCM. The DMM Deployment Setup wizard takes you through the steps to create an automated migration solution for deployment as a software delivery package.

If you import the migration solution package into SD, you can display it and make it available for selection in the SD catalog. If you save the migration solution package to a specified location, you must manually import it into SD.

Within SD, you can do any one of the following with the automated CA DMM:

- Schedule
- Deploy immediately to one or more computer
- Let individual users initiate the migration by going into the catalog and selecting the migration solution package

This guide will take you through the steps to automate and deploy a migration.

**Note:** The DMM Deployment Setup wizard can only be installed and run on Microsoft Windows 2000, Windows XP, and Windows Vista.

## DMM Deployment Setup Wizard

The DMM Deployment Setup wizard has two components:

- **A wizard-based user interface**

The wizard is implemented using InstallShield and guides the user through the deployment. On completion, the package is either saved into a user-selected directory, or is automatically imported into the server if the Software Delivery server is installed on the local computer.

- **A set of scripts**

Scripts are implemented using DMS scripting, the proprietary scripting language for Software Delivery. These scripts dynamically set up the migrations for the user based on the selections made during the initial DMM deployment. There are four package procedures that are available through scripts:

- Apply DNA For Computer**

- Applies a previously stored DNA file.

- Create a Null Session Share**

- Creates a null-session share for the user to create a DMM data directory to store the DNA files.

- DMM Migration Solution**

- Creates an install record for the software package.

- Store DNA For Computer**

- Stores all user profiles, selected settings, and data into a DNA file.

**More information:**

[Create a Migration Solution Package](#) (see page 9)

# Chapter 2: Working With the DMM Deployment Setup Wizard

---

This chapter details the steps that the DMM Deployment Setup wizard runs through to create an automated migration solution. This chapter also provides the steps to create a null-session share.

This section contains the following topics:

[Create a Migration Solution Package](#) (see page 9)

[Manually Create a Null-Session Share](#) (see page 12)

[DMM Deployment Fails when DMM Source Share is not Linked to an Active Directory](#) (see page 13)

[DMM Apply Procedure Execution Fails during the Restoration Phase on Windows Server 2008](#) (see page 14)

## Create a Migration Solution Package

Run the DMM Deployment Setup wizard to create a migration solution package.

### To create a migration solution package

1. Launch the DMM Deployment Setup wizard.

A language dialog appears asking you to select the language for the wizard.

**Note:** The language selected will also be the language of the SD package that will be imported.

2. Select the language and click OK.

A screen that displays the migration solution package name appears. The default name is Desktop Migration Solution.

3. Enter a name you want to use for the migration solution package and click Next.
4. Perform one of the following steps:
  - If the computer you are running the wizard on is not an SD server, a screen appears asking you to specify the location where you want to save the migration solution package that you will later import into SD. Click Browse to specify the location.
  - If the computer you are running the wizard on is an SD server, a screen appears asking you to specify an SD user name and password for the server. These credentials will be used to import the package into SD after the wizard completes. If the logged in user also has administrator credentials on the SD server, these fields can be left blank. If you are not logged in with the SD server administrator credentials, enter the details and click Next.

A screen appears where you can specify a location for the DMM data directory.

5. Click Browse to specify a location for the DMM data directory. The path you enter must be a UNC path and a hidden null-session share. CA Technologies DMM runs as the System user account and the System user account can only write to a null-session share.

The data directory is the folder where DNA files will be stored. This location also stores the DDNARUN directory.

**Note:** At this point, the share does not need to be a null-session share. The wizard will create a migration solution package that contains a procedure to make a share a null-session share.

6. Click Next.

A screen appears where you can specify the template you want to use in the migration solution package.

7. Select one of the following:
  - Use the Default DMM Template.
  - Select DMM Templates to specify a template other than the default template. Click Browse to locate and select the template.

**Note:** You can select more than one template.

- Create New Template. If the DMM Template Editor is not installed on the computer, a message appears asking you to install the editor and to specify the location of the CA Technologies DMM install file.

The list of selected templates is displayed in the text box. To clear the selected templates, click Clear All.

8. Click Next.

A screen appears where you can select the options file you want to use in the migration solution package.

9. Select one of the following:

- Use the Default DMM Options File.
- Select a DMM Options File to specify a file other than the default file, click Browse to locate and select the file.
- Create Options File.

If the Options Editor is not installed on the computer, a message appears asking you to install the editor and to specify the location of the CA Technologies DMM install file.

10. Click Next.

A screen appears where you can specify the location of the DDNARUN directory. DMM Deployment Setup searches for the install file for CA Technologies DMM to extract the DDNARUN directory. If the setup.exe file is not available, DMM Deployment Setup looks for a local installation of CA Technologies DMM. If neither is located, you can specify a DDNARUN directory or specify the CA Technologies DMM installation folder.

11. Click Browse to specify the location of the DDNARUN directory or to locate the directory where the CA Technologies DMM setup file is present.

12. Click Next.

A screen appears where you can specify a mapping file to be used. A mapping file is a comma-delimited file that maps source computers to destination computers.

13. Select one of the following:

- Do not use a map file  
**Note:** If you do not use a mapping file, the user will be asked at the time of the apply procedure to identify the file to apply.
- Create a blank map file, if you want DMM Deployment Setup to create a blank map file for later use.
- Select an existing map file. Click Browse to locate a mapping file. This mapping file is used for automatically applying previously stored DNA files.

14. Click Next.

A screen that displays the summary of your install choices appears.

15. Click Finish.

The deployment of the package starts. A screen appears that displays the progress of the deployment. The migration solution package is either imported into SD or saved to a directory.

16. Click Exit.

**More information:**

[DMM Deployment Setup Wizard](#) (see page 7)

## Manually Create a Null-Session Share

The directory where the DNA files are stored must be a null-session share since CA DMM runs as the System user account. You must set up the null-session share before running any procedures.

**To manually create a null-session share**

1. Start the Registry Editor by running the regedit.exe file.
2. Locate the following registry key:

```
HKEY_LOCAL_MACHINES\System\CurrentControlSet\Services\LanmanServer\Parameters  
\NullSessionShares
```

**Note:** NullSessionShares is a REG\_MULTI\_SZ value.

3. Enter the name of the share you want to access with a null-session on a new line in the NullSessionShares key. For example, enter DNADat\$
4. Locate and click the following registry key:

```
HKEY_LOCAL_MACHINES\SYSTEM\CurrentControlSet\Control\LSA
```

5. Click New on the Edit menu, select DWORD value, and add the following registry value:

Value Name: RestrictAnonymous

Data Type: REG\_DWORD

Value: 0

6. Close the Registry Editor window and restart the server.
7. Set the following properties for the shared folder:
  - Add 'Everyone' under Share Permissions.
  - Add 'Everyone' under the Security tab with full permissions.
8. Enable the 'Network access: Let Everyone permissions apply to anonymous users' setting in the Windows Local Security Settings.

## DMM Deployment Fails when DMM Source Share is not Linked to an Active Directory

### Symptom:

When a DSM domain manager and the agent computer are on Active Directory and the DMM Source share computer is not linked to any Active Directory, deploying the store and applying the procedure on the DSM agent computer fails.

### Solution:

The deployment fails because CA ITCM cannot communicate with the DMM Source share.

### Follow these steps:

1. Enable Guest User Login on the computer where the DMM Source share is available.
2. Allow access for Guest User through the network using the following Windows settings:
  - a. Enter secpol.msc in the Run prompt.  
The Local Security Settings dialog appears.
  - b. Navigate to Security Settings, Local Policies, User Rights assignment.
  - c. Verify that the guest user is not listed under the deny access to this computer from the network policy.

Guest login is enabled on the computer.

## DMM Apply Procedure Execution Fails during the Restoration Phase on Windows Server 2008

When the DMM network share runs on Windows Server 2008 or higher, the DMM Apply procedure execution fails with a runtime error on some of the target machines during the restoration phase.

Follow one of these steps:

- Use a DMM network share that runs on Windows Server 2003 SP2.
- Use a DMM network share that runs on Windows Server 2008 SP2 or Windows Server 2008 R2, with SMB 2.0 disabled as follows:
  1. Open Regedit.
  2. Navigate to HKLM, System, CurrentControlSet, Services, LanmanServer, Parameters.
  3. Add a DWORD key with the name smb2 and set the value to 0.
  4. Restart the server.

# Chapter 3: CA DMM Procedures for SD/CA ITCM

---

This section contains the following topics:

[Package Procedures](#) (see page 15)

## Package Procedures

After the DMM Deployment Setup wizard has been run and the SD package successfully imported, the package will display in the DSM Explorer. The package includes four procedures, one install procedure and three activate procedures. The install procedure, which is the default procedure, called DMM Migration solution must be deployed first. After it has been deployed, the other three procedures can be deployed multiple times.

### **DMM Migration Solution**

This is the default procedure and it must be deployed before any of the other procedures can be used. This procedure creates the install record for the package and can be deployed only once per computer.

### **Create Null-Session Share**

This procedure helps you register the DNA data share as a null-session share. This procedure must be deployed on the computer where the DNA Data share has already been created.

### **Store DNA For Computer**

This procedure runs CA DMM to create a DNA file using the computer name. The procedure also stores the DNA file in the DNA Data share. This procedure can be deployed multiple times. The DNA Data share must be registered as a null-session share before this procedure is invoked by the local system account.

### **Apply DNA For Computer**

This procedure runs CA DMM to restore a previously created DNA file. This procedure can be run multiple times.