

# CA Desktop Migration Manager

## DMM Deployment Setup Guide

12.9



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# 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 Business Intelligence
- CA Common Services™
- CA Desktop Migration Manager (CA DMM)
- CA Embedded Entitlements Manager (CA EEM)
- CA Mobile Device Management (CA MDM)
- CA Network and Systems Management (CA NSM)
- CA Patch Manager
- CA Process Automation
- CA Service Desk Manager
- CA WorldView™

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- Product and documentation downloads
- CA Support policies and guidelines
- Other helpful resources appropriate for your product

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# Chapter 1: Deployment Setup

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Use DMM Deployment Setup for integrating CA DMM with the software delivery (SD) component of CA ITCM. The DMM Deployment Setup wizard creates an automated migration solution for deployment as a software delivery package.

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

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

- Schedule
- Deploy immediately
- Let individual users initiate the migration by going into the catalog and selecting the migration solution package

**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 deployment. After the deployment, the package is either saved to a user-selected directory, or automatically imported into the server.

- **A set of scripts**

Scripts are implemented using the DMS scripting. Based on the selections during the initial DMM deployment, the DMS scripts set up dynamic migrations. Four package procedures 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 for creating a DMM data directory.

**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 8)

## Create a Migration Solution Package

To create a migration solution package, run the DMM Deployment Setup wizard.

**Follow these steps:**

1. Launch the DMM Deployment Setup wizard.
2. Select the language and click OK.
3. Enter a name 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, click Browse to specify the location.
  - If the computer you are running the wizard on is an SD server, specify an SD user name and password for the server. The credentials are used to import the package into SD. If the logged-in user has administrator credentials on the SD server, leave the fields blank. If you are not logged in with the SD server administrator credentials, enter the details and click Next.
5. Click Browse to specify a location for the DMM data directory. The path 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 stores the DNA files and the DDNARUN directory.

**Note:** The share does not need to be a null-session share. The wizard creates a migration solution package that contains a procedure to make a share a null-session share.

6. Click Next.
7. Select one of the following options:
  - 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.
  - Create New Template. If the DMM Template Editor is not installed, install the editor and 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.
9. Select one of the following options:
  - Use the Default DMM Options File.
  - Select a DMM Options File for specifying a file other than the default file.
  - Create Options File.  
If the Options Editor is not installed, install the editor and specify the location of the CA Technologies DMM install file.

10. Click Next.  
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, specify a DDNARUN directory or the CA Technologies DMM installation folder.

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

12. Click Next.

13. Select one of the following options:
  - Do not use a map file  
**Note:** If you do not use a mapping file, the user must identify the file at the time of applying procedure.
  - Create a blank map file, for DMM Deployment Setup for later use.
  - Select an existing map file.

14. Click Next, Finish, and Exit.

The migration solution package is either imported into SD or saved to a directory.

**More information:**

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

## Manually Create a Null-Session Share

The DNA files directory must be a null-session share as CA DMM runs as the System user account. Set up the null-session share before running any procedures.

**Follow these steps:**

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 share name that you want to access with a null-session on a new line in the NullSessionShares key. For example, enter DNADatashare
4. Locate and click the following registry key:  
`HKEY_LOCAL_MACHINES\SYSTEM\CurrentControlSet\Control\LSA`
5. Click Edit, New, select DWORD value, and add the following registry value:  
Value Name: RestrictAnonymous  
Data Type: REG\_DWORD  
Value: 0
6. Close the Registry Editor 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: The Let Everyone permissions apply to anonymous users setting in the Windows Local Security Settings.

## Package Procedures

After the DMM Deployment Setup, the package displays in the DSM Explorer. First deploy the install procedure, DMM Migration. Later, the other three procedures can be deployed multiple times.

### **DMM Migration Solution**

This default procedure must be deployed before any of the other procedures. 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 is 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.

### **Apply DNA For Computer**

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

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

### **Symptom:**

If the DMM Source share is not linked to any Active Directory, deploying the store and applying the procedure on the DSM agent computer fails.

### **Solution:**

Client Automation cannot communicate with the DMM Source share. Enable Guest User Login on the computer where the DMM Source share is available.

### **Follow these steps:**

1. Enter secpol.msc in the Run prompt.
2. Go to Security Settings, Local Policies, User Rights Assignment.
3. Verify that the guest user is not listed under the deny access to this computer from the network policy.

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

When the DMM network share runs on Windows Server 2008 or later, the DMM Apply procedure fails with a runtime error during the restoration phase.

**Follow 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. Go 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.