

HOW TO INSTALL DATA PROTECTION MANAGER (DPM) 1801 ON SERVER 2016

In this exercise, I will show you how to install DPM 1801 on Windows Server 2016 with SQL Server 2016. My lab setup will be as follows:

Windows Server 2016 with SQL 2016
4GB Memory
250GB Hard Disk

First we have to create these account in ADUC. Make sure to create an OU and dump these account inside

	Name	Type	Description
	DPM Administrator	User	Administrator DPM
	DPM Reporting Account	User	Reporting Account
	DPM SQL Agent	User	SQL Agent
	SQL Service Account	User	Service Account

Next we will install SQL 2016 SP1

DPM > Downloads

Name	Date modified	Type
DPM	09-Aug-2018 5:37 ...	File folder
01 SQL 2016 SP1 x64 9542382.iso	01-Dec-2016 7:11 ...	Disc Image File

DPM > DVD Drive (D:) SQL2016_x64_ENU >

Name	Date modified	Type	Size
1033 ENU LP	30-Oct-2016 5:51 ...	File folder	
PCUSOURCE	30-Oct-2016 5:51 ...	File folder	
redist	30-Oct-2016 5:51 ...	File folder	
resources	30-Oct-2016 5:51 ...	File folder	
Tools	30-Oct-2016 5:51 ...	File folder	
x64	31-Oct-2016 2:05 ...	File folder	
autorun.inf	09-Feb-2016 10:38...	Setup Information	1 KB
MedialInfo.xml	29-Oct-2016 7:09 ...	XML Document	1 KB
setup.exe	29-Oct-2016 8:19 ...	Application	107 KB
setup.exe.config	09-Feb-2016 10:34...	XML Configuratio...	1 KB
SqlSetupBootstrapper.dll	29-Oct-2016 8:20 ...	Application extens...	234 KB
sqmapi.dll	30-Apr-2016 12:12...	Application extens...	147 KB

SQL Server Installation Center

Planning

Installation


Maintenance


Tools


Resources


Advanced


Options


 **New SQL Server stand-alone installation or add features to an existing installation**
Launch a wizard to install SQL Server 2016 in a non-clustered environment or to add features to an existing SQL Server 2016 instance.


 **Install SQL Server Management Tools**
Launch a download page that provides a link to install SQL Server Management Studio, SQL Server command-line utilities (SQLCMD and BCP), SQL Server PowerShell provider, SQL Server Profiler and Database Tuning Advisor. An internet connection is required to install these tools.

 **Install SQL Server Data Tools**
Launch a download page that provides a link to install SQL Server Data Tools (SSDT). SSDT provides Visual Studio integration including project system support for Azure SQL Database, the SQL Server Database Engine, Reporting Services, Analysis Services and Integration Services. An internet connection is required to install SSDT.

 **New SQL Server failover cluster installation**
Launch a wizard to install a single-node SQL Server 2016 failover cluster.

 **Add node to a SQL Server failover cluster**
Launch a wizard to add a node to an existing SQL Server 2016 failover cluster.

 **Upgrade from a previous version of SQL Server**
Launch a wizard to upgrade a previous version of SQL Server to SQL Server 2016.

 **New R Server (Standalone) installation**
Launch a wizard to install R Server (Standalone) on a Windows machine. This is typically used by data scientists as a standalone analysis server or as a SQL Server R Services client.

Microsoft® SQL Server® 2016

SQL Server 2016 Setup

Product Key

Specify the edition of SQL Server 2016 to install.

Product Key

License Terms

Global Rules

Product Updates

Install Setup Files

Install Rules

Feature Selection

Feature Rules

Feature Configuration Rules

Ready to Install

Installation Progress

Complete

Validate this instance of SQL Server 2016 by entering the 25-character key from the Microsoft certificate of authenticity or product packaging. You can also specify a free edition of SQL Server: Developer, Evaluation, or Express. Evaluation has the largest set of SQL Server features, as documented in SQL Server Books Online, and is activated with a 180-day expiration. Developer edition does not have an expiration, has the same set of features found in Evaluation, but is licensed for non-production database application development only. To upgrade from one installed edition to another, run the Edition Upgrade Wizard.

☐ Specify a free edition:

Evaluation

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Next >

Cancel

SQL Server 2016 Setup

License Terms

To install SQL Server 2016, you must accept the Microsoft Software License Terms.

Product Key

License Terms

Global Rules

Product Updates

Install Setup Files

Install Rules

Feature Selection

Feature Rules

Feature Configuration Rules

Ready to Install

Installation Progress

Complete

MICROSOFT SOFTWARE LICENSE TERMS

MICROSOFT SQL SERVER 2016 ENTERPRISE

These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to any

Microsoft

- updates,
- supplements,
- Internet-based services, and
- support services.

☒ I accept the license terms.

SQL Server 2016 transmits information about your installation experience, as well as other usage and performance data, to Microsoft to help improve the product. To learn more about SQL Server 2016 data processing and privacy controls, please see the [Privacy Statement](#).

Copy

Print

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Next >

Cancel

SQL Server 2016 Setup

Install Rules

Setup rules identify potential problems that might occur while running Setup. Failures must be corrected before Setup can continue.

Product Key

License Terms

Global Rules

Product Updates

Install Setup Files

Install Rules

Feature Selection

Feature Rules

Feature Configuration Rules

Ready to Install

Installation Progress

Complete

Operation completed. Passed: 4. Failed 0. Warning 1. Skipped 0.

Hide details <<

Re-run

[View detailed report](#)

	Rule	Status
✓	Fusion Active Template Library (ATL)	Passed
✓	Consistency validation for SQL Server registry keys	Passed
✓	Computer domain controller	Passed
✓	Microsoft .NET Application Security	Passed
⚠	Windows Firewall	Warning

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Cancel

SQL Server 2016 Setup

Feature Selection

Select the Enterprise features to install.

Product Key

License Terms

Global Rules

Product Updates

Install Setup Files

Install Rules

Feature Selection

Feature Rules

Instance Configuration

Server Configuration

Database Engine Configuration

Reporting Services Configuration

Feature Configuration Rules

Ready to Install

Installation Progress

Complete

Features:

Instance Features

☒ Database Engine Services

☐ SQL Server Replication

☐ R Services (In-Database)

☐ Full-Text and Semantic Extractions for Sea

☐ Data Quality Services

☐ PolyBase Query Service for External Data

☐ Analysis Services

☒ Reporting Services - Native

Shared Features

☐ R Server (Standalone)

☐ Reporting Services - SharePoint

☐ Reporting Services Add-in for SharePoint Proc

Select All

Unselect All

Instance root directory:

C:\Program Files\Microsoft SQL Server\

...

Shared feature directory:

C:\Program Files\Microsoft SQL Server\

...

Shared feature directory (x86):

C:\Program Files (x86)\Microsoft SQL Server\

...

Feature description:

The configuration and operation of each instance feature of a SQL Server instance is isolated from other SQL Server instances. SQL Server instances can operate side-by-side on

Prerequisites for selected features:

Already installed:

Windows PowerShell 3.0 or higher

Microsoft .NET Framework 4.6

Disk Space Requirements

Drive C: 1902 MB required, 275188 MB available

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Cancel

SQL Server 2016 Setup

Instance Configuration

Specify the name and instance ID for the instance of SQL Server. Instance ID becomes part of the installation path.

Product Key

License Terms

Global Rules

Product Updates

Install Setup Files

Install Rules

Feature Selection

Feature Rules

Instance Configuration

Server Configuration

Database Engine Configuration

Reporting Services Configuration

Feature Configuration Rules

Ready to Install

Installation Progress

Complete

☒ Default instance

☐ Named instance:

MSSQLSERVER

Instance ID:

MSSQLSERVER

SQL Server directory:

C:\Program Files\Microsoft SQL Server\MSSQL13.MSSQLSERVER

Reporting Services directory:

C:\Program Files\Microsoft SQL Server\MSRS13.MSSQLSERVER

Installed instances:

Instance Name	Instance ID	Features	Edition	Version
---------------	-------------	----------	---------	---------

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Cancel

Server Configuration

Specify the service accounts and collation configuration.

Product Key
License Terms
Global Rules
Product Updates
Install Setup Files
Install Rules
Feature Selection
Feature Rules
Instance Configuration
Server Configuration
Database Engine Configuration
Reporting Services Configuration
Feature Configuration Rules
Ready to Install
Installation Progress
Complete

Service Accounts Collation

Microsoft recommends that you use a separate account for each SQL Server service.

Service	Account Name	Password	Startup Type
SQL Server Agent	NT AUTHORITY\SYSTEM		Automatic ▾
SQL Server Database Engine	NT AUTHORITY\SYSTEM		Automatic ▾
SQL Server Reporting Services	NT AUTHORITY\SYSTEM		Automatic ▾
SQL Server Browser	NT AUTHORITY\LOCAL ...		Automatic ▾

☐ Grant Perform Volume Maintenance Task privilege to SQL Server Database Engine Service

This privilege enables instant file initialization by avoiding zeroing of data pages. This may lead to information disclosure by allowing deleted content to be accessed.

[Click here for details](#)

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Cancel

Server Configuration

Specify the service accounts and collation configuration.

Product Key
License Terms
Global Rules
Product Updates
Install Setup Files
Install Rules
Feature Selection
Feature Rules
Instance Configuration
Server Configuration
Database Engine Configuration
Reporting Services Configuration
Feature Configuration Rules
Ready to Install
Installation Progress
Complete

Service Accounts Collation

Database Engine:

SQL_Latin1_General_CP1_CI_AS

Customize...

Latin1-General, case-insensitive, accent-sensitive, kanatype-insensitive, width-insensitive for Unicode Data, SQL Server Sort Order 52 on Code Page 1252 for non-Unicode Data

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Cancel

Database Engine Configuration

Specify Database Engine authentication security mode, administrators, data directories and TempDB settings.

Product Key
License Terms
Global Rules
Product Updates
Install Setup Files
Install Rules
Feature Selection
Feature Rules
Instance Configuration
Server Configuration
Database Engine Configuration
Reporting Services Configuration
Feature Configuration Rules
Ready to Install
Installation Progress
Complete

Server Configuration | Data Directories | TempDB | FILESTREAM

Specify the authentication mode and administrators for the Database Engine.

Authentication Mode

- ☒ Windows authentication mode
☐ Mixed Mode (SQL Server authentication and Windows authentication)

Specify the password for the SQL Server system administrator (sa) account.

Enter password:

Confirm password:

Specify SQL Server administrators

RAMLAN\ADMINISTRATOR (Administrator)
DPM\Administrator (Administrator)
RAMLAN\dpmadmin (DPM Administrator)
RAMLAN\dpmsqlreport (DPM Reporting Account)
RAMLAN\dpmsqlagent (DPM SQL Agent)
RAMLAN\dpmsqlsvc (SQL Service Account)
RAMLAN\ram (Ram)

SQL Server administrators have unrestricted access to the Database Engine.

Add Current User

Add...

Remove

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Next >

Cancel

Reporting Services Configuration

Specify the Reporting Services configuration mode.

Product Key
License Terms
Global Rules
Product Updates
Install Setup Files
Install Rules
Feature Selection
Feature Rules
Instance Configuration
Server Configuration
Database Engine Configuration
Reporting Services Configura...
Feature Configuration Rules
Ready to Install
Installation Progress
Complete

Reporting Services Native Mode

- ☒ Install and configure.
Installs and configures the report server in native mode. The report server is operational after setup completes.
- ☐ Install only.
Installs the report server files. After installation, use Reporting Services Configuration Manager to configure the report server for native mode.

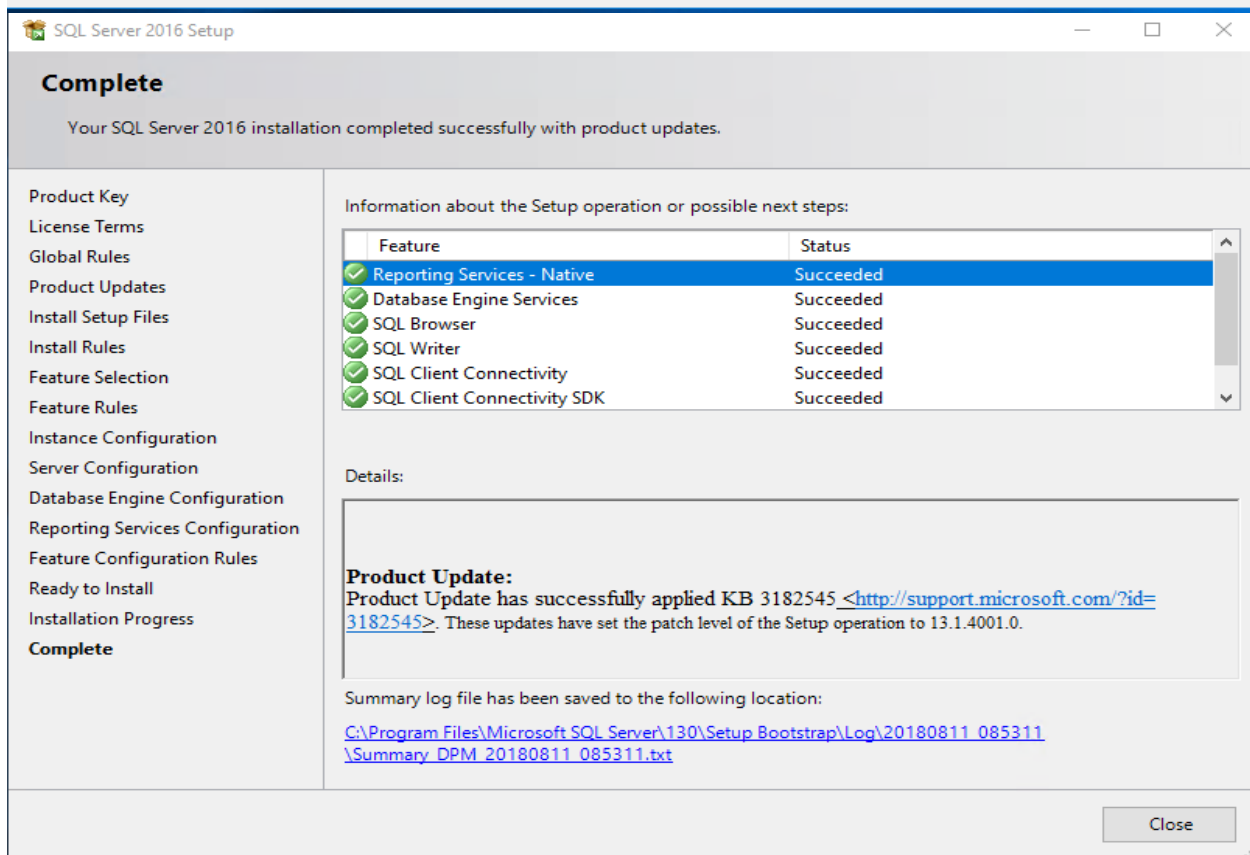
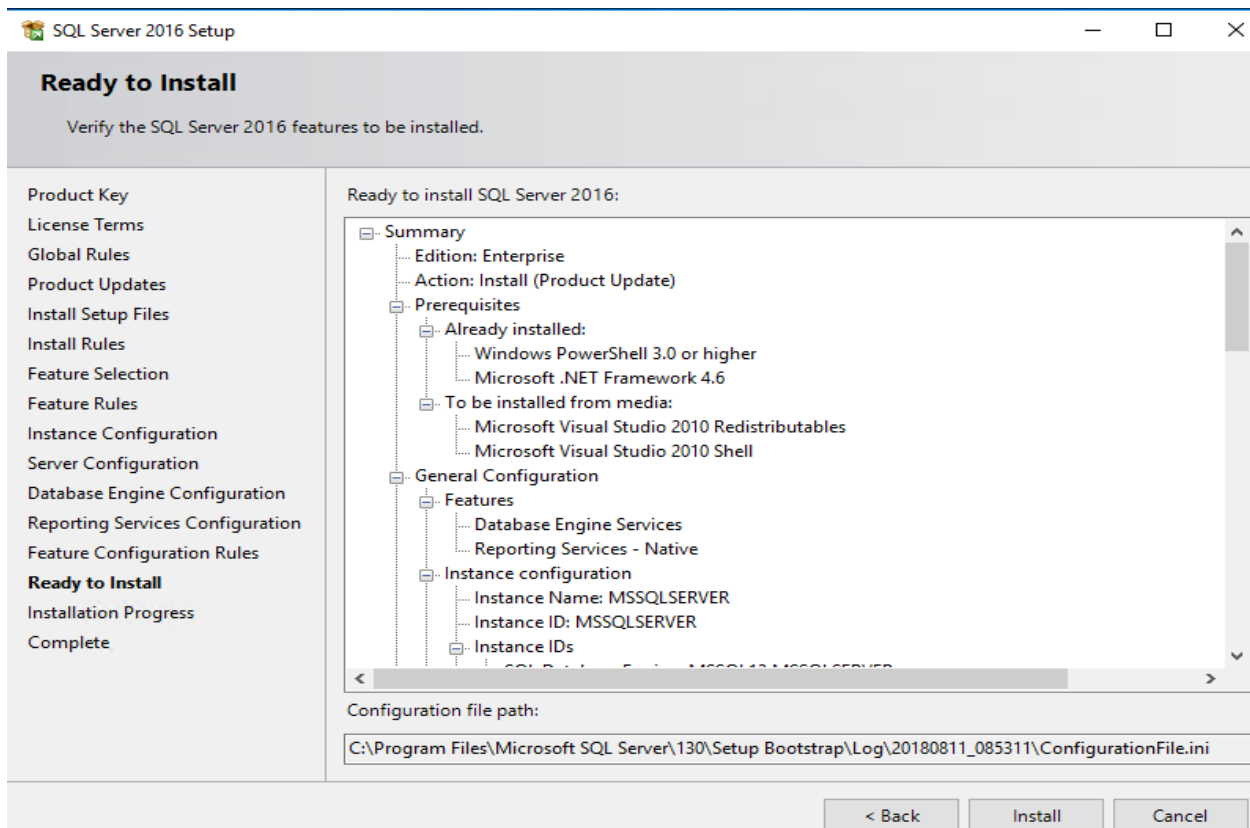
Reporting Services SharePoint Integrated Mode

- ☐ Install only.
Installs the report server files. After installation use SharePoint Central Administration to complete the configuration. Verify the SQL Server Reporting Services service is started and create at least one SQL Server Reporting Services service application. For more information, click Help.

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Next >

Cancel



Now we will install Management Studio 16.5

> DPM > Downloads

Name	Date modified	Type	Size
DPM	09-Aug-2018 5:37 ...	File folder	
SSMS-Setup-ENU.exe	11-Aug-2018 9:18 ...	Application	915,712 KB



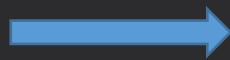
RELEASE 16.5

Microsoft SQL Server Management Studio

Welcome. Click "Install" to begin.

By clicking the "Install" button, I acknowledge that I accept the [License Terms](#) and [Privacy Statement](#).

SQL Server Management Studio transmits information about your installation experience, as well as other usage and performance data, to Microsoft to help improve the product. To learn more about SQL Server Management Studio data processing and privacy controls, see the privacy statement link above.



Install

Close



RELEASE 16.5

Microsoft SQL Server Management Studio

Setup Completed


All specified components have been installed successfully.

Close

Now we will install DPM 1801.

> DPM > Downloads > DPM > System Center Data Protection Manager >

Name	Date modified	Type	Size
2070	09-Aug-2018 5:38 ...	File folder	
3082	09-Aug-2018 5:38 ...	File folder	
31748	09-Aug-2018 5:38 ...	File folder	
Agents	09-Aug-2018 5:38 ...	File folder	
DPM2012	09-Aug-2018 5:39 ...	File folder	
DpmSqlEURInstaller	09-Aug-2018 5:39 ...	File folder	
Redist	09-Aug-2018 5:40 ...	File folder	
SQLPrepInstaller	09-Aug-2018 5:40 ...	File folder	
support	09-Aug-2018 5:40 ...	File folder	
autorun.inf	20-Jun-2017 2:38 ...	Setup Information	1 KB
DPMTraceProvider.dll	18-Dec-2017 4:44 ...	Application extens...	60 KB
LKRhDPM.dll	18-Dec-2017 4:42 ...	Application extens...	85 KB
Microsoft.VC100.CRT.manifest	20-Jun-2017 2:38 ...	MANIFEST File	1 KB
Microsoft.VC110.CRT.manifest	20-Jun-2017 2:38 ...	MANIFEST File	1 KB
msvcp100.dll	20-Jun-2017 2:38 ...	Application extens...	594 KB
msvcp110.dll	20-Jun-2017 2:38 ...	Application extens...	646 KB
msvcr100.dll	20-Jun-2017 2:38 ...	Application extens...	810 KB
msvcr110.dll	20-Jun-2017 2:38 ...	Application extens...	830 KB
NativeUtils.dll	18-Dec-2017 4:42 ...	Application extens...	349 KB
relnotes.htm	20-Jun-2017 2:37 ...	HTML Document	11 KB
Setup.exe	18-Dec-2017 4:42 ...	Application	23 KB



System Center Data Protection Manager

Version 1801

Install

- Data Protection Manager**
- DPM Central Console
- DPM Protection Agent
- DPM Remote Administration
- DPM Self Service Recovery
- DPM Remote SQL Prep

Before you begin

- [View Release Notes](#)
- [Read Installation Guide](#)
- [Run the Prerequisite Checker](#)

Additional Resources

- [Review License Terms](#)
- [Visit DPM Web Site](#)

© Microsoft Corporation. All rights reserved. [Exit](#)

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To install Data Protection Manager, you must accept the Microsoft Software License Terms. These license terms apply for DPM, and each of its prerequisite software products.

PLEASE NOTE: Your use of this software is subject to the terms and conditions of the license agreement by which you (or your company) acquired the Microsoft server software or gained access to the online service from Microsoft. For instance, if you are:

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- a customer that received the software separately from a hardware manufacturer or system builder, use of this software is subject to the license agreement with that part;
- an online service customer, use of this software is subject to the online subscription agreement.

To print a copy of the license terms, select the text, copy it into a document, and then print it. To view the license terms after the installation is complete, open DPM Administrator Console and click About DPM.

[Privacy Statement Link](#)

**Welcome**

Welcome to the Microsoft System Center Data Protection Manager Setup wizard.

Installation Stages

- Welcome
- Prerequisites check
- Product registration
- Installation settings
- Microsoft Update Opt-In
- Summary of settings
- Installation



This wizard helps you install Data Protection Manager (DPM) and its prerequisite software on this computer. To continue, click Next.

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Next >

Cancel

Help

**Prerequisites Check**

Please wait while the wizard checks for required hardware and software.

Installation Stages

- Welcome
- Prerequisites check
- Product registration
- Installation settings
- Microsoft Update Opt-In
- Summary of settings
- Installation

DPM requires a database. You can use a local or remote instance of SQL Server that already exists.

☒ Use stand-alone SQL Server.

SQL Server is not clustered.

☐ Use clustered SQL Server

SQL Server is clustered

Instance of SQL Server
(Example: SQLSERV or SQLSERV\MYSQLINSTANCE):

DPM

User Name:

Password:

Domain:

Select the appropriate option and click on the button to perform the prerequisite check and install the missing Windows components.


Check and Install


< Back


Next >

Cancel

Help

 Data Protection Manager Setup





Prerequisites Check

Please wait while the wizard checks for required hardware and software.

Installation Stages

- Welcome
- Prerequisites check
- Product registration
- Installation settings
- Microsoft Update Opt-In
- Summary of settings
- Installation

DPM requires a database. You can use a local or remote instance of SQL Server that already exists.

☒ Use stand-alone SQL Server.
SQL Server is not clustered.

☐ Use clustered SQL Server
SQL Server is clustered

Instance of SQL Server
(Example: SQLSERV or SQLSERV\MYSQLINSTANCE):


User Name: Password:

Domain:

Select the appropriate option and click on the button to perform the prerequisite check and install the missing Windows components.

Check and Install

Details


 Setup will use the current user's credentials for this SQL instance.


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Next >

Cancel

Help

 Data Protection Manager Setup





Prerequisites Check

Please wait while the wizard checks for required hardware and software.

Installation Stages

- Welcome
- Prerequisites check
- Product registration
- Installation settings
- Microsoft Update Opt-In
- Summary of settings
- Installation

DPM requires a database. You can use a local or remote instance of SQL Server that already exists.

☒ Use stand-alone SQL Server.
SQL Server is not clustered.

☐ Use clustered SQL Server
SQL Server is clustered

Instance of SQL Server
(Example: SQLSERV or SQLSERV\MYSQLINSTANCE):

User Name: Password:

Domain:

Select the appropriate option and click on the button to perform the prerequisite check and install the missing Windows components.

Check and Install

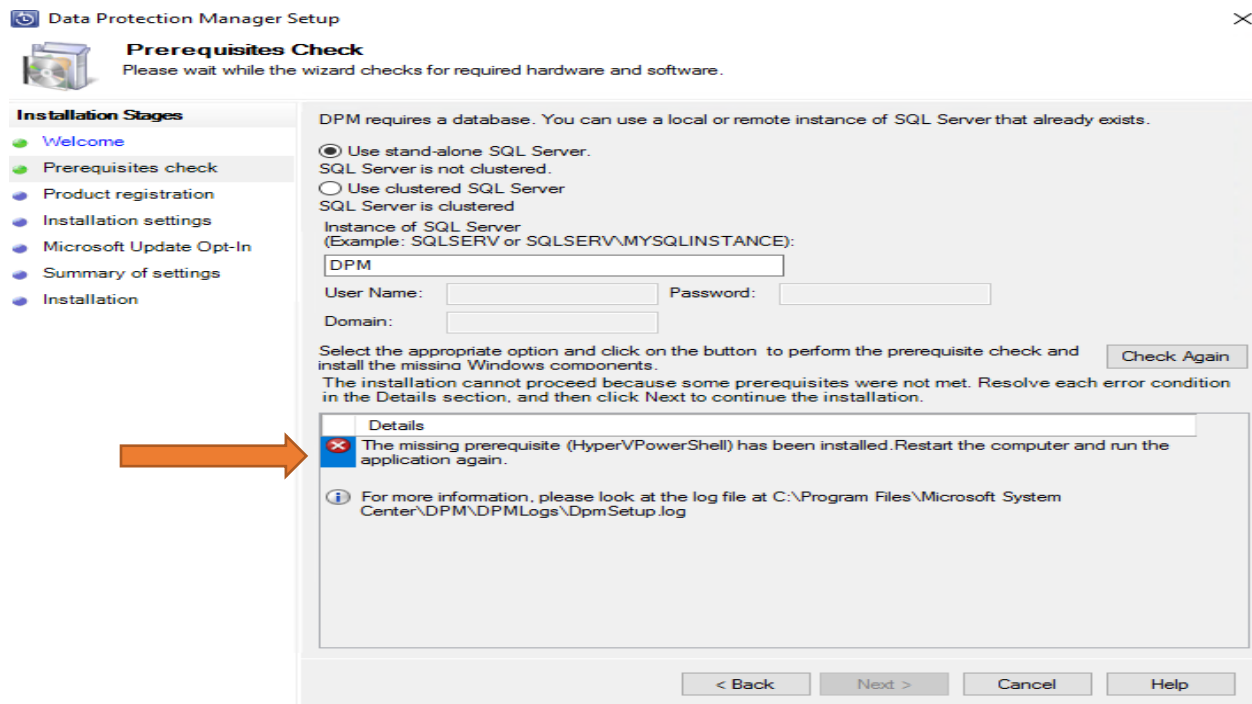
Installing basic components...

< Back

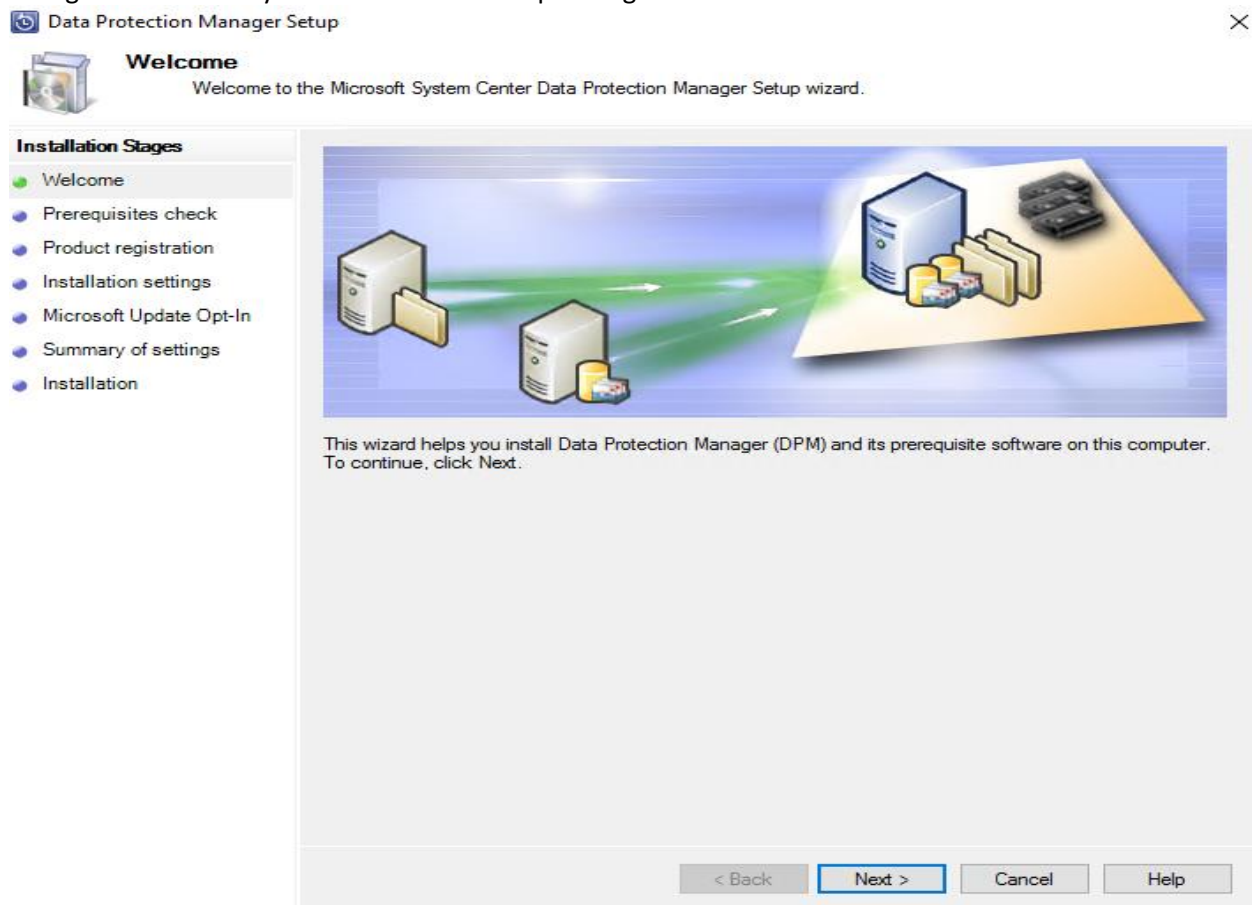
Next >

Cancel

Help



Going to restart the system and run the setup.exe again



**Prerequisites Check**

Please wait while the wizard checks for required hardware and software.

Installation Stages

- Welcome
- Prerequisites check
- Product registration
- Installation settings
- Microsoft Update Opt-In
- Summary of settings
- Installation

DPM requires a database. You can use a local or remote instance of SQL Server that already exists.

☒ Use stand-alone SQL Server.

SQL Server is not clustered.

☐ Use clustered SQL Server

SQL Server is clustered

Instance of SQL Server

(Example: SQLSERV or SQLSERV\MYSQLINSTANCE):

DPM

User Name:

Password:

Domain:

Select the appropriate option and click on the button to perform the prerequisite check and install the missing Windows components.

Check and Install

< Back

Next >

Cancel

Help

**Prerequisites Check**

Please wait while the wizard checks for required hardware and software.

Installation Stages

- Welcome
- Prerequisites check
- Product registration
- Installation settings
- Microsoft Update Opt-In
- Summary of settings
- Installation

DPM requires a database. You can use a local or remote instance of SQL Server that already exists.

☒ Use stand-alone SQL Server.

SQL Server is not clustered.

☐ Use clustered SQL Server

SQL Server is clustered

Instance of SQL Server

(Example: SQLSERV or SQLSERV\MYSQLINSTANCE):

DPM

User Name:

Password:

Domain:

Select the appropriate option and click on the button to perform the prerequisite check and install the missing Windows components.

Check and Install

Details


Setup will use the current user's credentials for this SQL instance.


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Next >

Cancel

Help

 Data Protection Manager Setup





Prerequisites Check

Please wait while the wizard checks for required hardware and software.

Installation Stages

- Welcome
- Prerequisites check
- Product registration
- Installation settings
- Microsoft Update Opt-In
- Summary of settings
- Installation

DPM requires a database. You can use a local or remote instance of SQL Server that already exists.

☒ Use stand-alone SQL Server.
SQL Server is not clustered.

☐ Use clustered SQL Server
SQL Server is clustered


Instance of SQL Server
(Example: SQLSERV or SQLSERV\MYSQLINSTANCE):


User Name: Password:


Domain:

Select the appropriate option and click on the button to perform the prerequisite check and install the missing Windows components.

Checking Processor...

 Data Protection Manager Setup





Prerequisites Check

Please wait while the wizard checks for required hardware and software.

Installation Stages

- Welcome
- Prerequisites check
- Product registration
- Installation settings
- Microsoft Update Opt-In
- Summary of settings
- Installation

DPM requires a database. You can use a local or remote instance of SQL Server that already exists.

☒ Use stand-alone SQL Server.
SQL Server is not clustered.

☐ Use clustered SQL Server
SQL Server is clustered

Instance of SQL Server
(Example: SQLSERV or SQLSERV\MYSQLINSTANCE):


User Name: Password:


Domain:


Select the appropriate option and click on the button to perform the prerequisite check and install the missing Windows components.

This computer meets the software and hardware requirements for DPM.

Click Next to continue.

 Data Protection Manager Setup



**Product Registration**
Enter product registration information.

Installation Stages

- Welcome
- Prerequisites check
- Product registration
- Installation settings
- Microsoft Update Opt-In
- Summary of settings
- Installation

User name:


Company:


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Next >

Cancel

Help

 Data Protection Manager Setup



**Installation Settings**
Specify installation locations for the DPM program files and settings for SQL Server.

Installation Stages

- Welcome
- Prerequisites check
- Product registration
- Installation settings
- Microsoft Update Opt-In
- Summary of settings
- Installation

DPM Files

Program files:
C:\Program Files\Microsoft System Center\DPM

Change...

Space requirements

	Required	Available
System drive:	1000 MB	271742 MB
Program files drive:	3650 MB	271742 MB

For more details on storage requirement click on the link below.
<http://go.microsoft.com/fwlink/?linkid=820915>

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Next >

Cancel

Help

**Microsoft Update Opt-In****Installation Stages**

- Welcome
- Prerequisites check
- Product registration
- Installation settings
- Microsoft Update Opt-In
- Summary of settings
- Installation



Microsoft Update offers security and important updates for Windows and other Microsoft products, including Data Protection Manager. Updates are delivered using your Automatic Updates setting, or you can visit the Microsoft Update Web site. If you select to use Microsoft Update, a new shortcut to the service will be placed on the Start menu, and the Windows Update icon will redirect to Microsoft Update.



☒ Use Microsoft Update when I check for updates (recommended)



☐ I do not want to use Microsoft Update

[See the Microsoft Update FAQ](#)

[Privacy Statement](#)

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Next >

Cancel

Help

**Summary of Settings**

Click Install to install DPM and its prerequisite software.

Installation Stages

- Welcome
- Prerequisites check
- Product registration
- Installation settings
- Microsoft Update Opt-In
- Summary of settings
- Installation

User name:	DPM Administrator
Company:	RAMLAN INC.
SQL Server instance:	DPM
Reporting instance:	DPM
Program files location:	C:\Program Files\Microsoft System Center\DPM

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Install

Cancel

Help

**Installation**

Setup is installing DPM and its prerequisite software.

Installation Stages

- Welcome
- Prerequisites check
- Product registration
- Installation settings
- Microsoft Update Opt-In
- Summary of settings
- Installation

Software

➡ Microsoft System Center Data Protection Manager

Status

Please wait while Data Protection Manager is configured.

Cancel

Help

**Installation**

Setup is installing DPM and its prerequisite software.

Installation Stages

- Welcome
- Prerequisites check
- Product registration
- Installation settings
- Microsoft Update Opt-In
- Summary of settings
- Installation

Software

✓ Microsoft System Center Data Protection Manager

Status

Data Protection Manager installation has completed successfully.

Please click on the link to check for the latest DPM updates:

<http://go.microsoft.com/fwlink/?linkid=820914>

DPM Setup has created the following firewall exceptions:

Close

Help

About Microsoft System Center Data Protection Manager

Microsoft

System Center

Data Protection Manager

Version 1801

Server Version: 5.1.363.0 (Evaluation version)

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DPM's SQL Server: DPM\DPMDB_DPM

DPM's SQL Reporting Server: DPM

[Privacy Statement](#)[DPM Community](#)

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OK

Now, I will install 1807 Update for Data Protection Manager

> DPM > Downloads > 1807 Updates Search 1807 Updates

Name	Date modified	Type	Size
dataprotectionmanager-kb4339950_df898dc70f7d42d3dbfea90e39b74a8c49c3be64.exe	11-Aug-2018 11:2...	Application	640,711 KB
dpmcentralconsoleserver-kb4339950_a9e665d2c62a9f1ed0bc31b91031ac1d20e1d462.exe	11-Aug-2018 11:2...	Application	3,761 KB
dpmmanagementshell-kb4339950_89cb7159d1c57bf5bb8b58a002a5646bcf2c5057.exe	11-Aug-2018 11:2...	Application	21,445 KB
dpmmanagementshell-kb4339950_b71482d6275d505e45b66d655938aa9046f7cf10.exe	11-Aug-2018 11:2...	Application	21,514 KB

System Center Data Protection Manager Update - KB4339950 — □ ×



Welcome

Steps

- Welcome
- License term
- Installation
- Finish

Welcome to the Microsoft System Center Data Protection Manager Update - KB4339950.

- Any jobs that are in progress or that are scheduled during the installation process will fail.
- This installation will backup the DPM database (DPMDB).

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Next >

Cancel



Microsoft Software License Terms

Steps

- Welcome
- License term
- Installation
- Finish

Accept the license terms and conditions to use Microsoft System Center Data Protection Manager (DPM) and each of its prerequisite software products.

Microsoft Software License Terms:

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☒ **accept** ☐ I do not accept

You can copy and paste the license terms and conditions into a text editor such as Microsoft Word or Notepad for printing.

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Install

Cancel



Installation

Steps

- Welcome
- License term
- Installation
- Finish

Please wait while Setup configures Microsoft System Center DPM.

Computing space requirements

Cancel



Installation Success

Steps

- Welcome
- License term
- Installation
- Finish

Microsoft System Center Data Protection Manager has been configured successfully. You must restart your computer to complete the update process.

Close

About Microsoft System Center Data Protection Manager



System Center

Data Protection Manager

Version 1807

Server Version: 5.1.378.0 (Evaluation version)

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DPM's SQL Server: DPM\DPMDDB_DPM

DPM's SQL Reporting Server: DPM

[Privacy Statement](#)

[DPM Community](#)

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OK

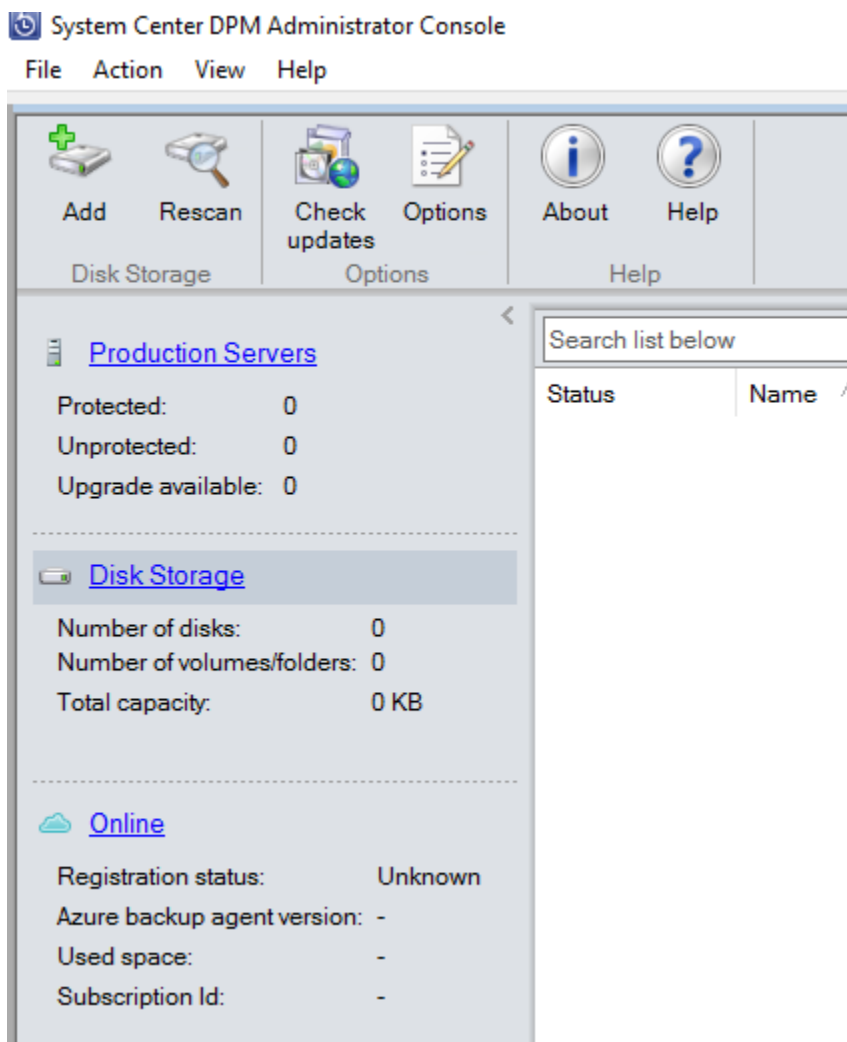
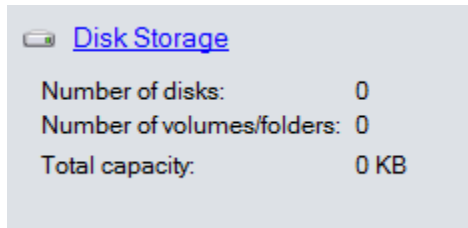
This concludes DPM 1801 and Update 1807 install. Next, I will create protection groups, deploy DPM agent to servers and other configuration.

Thanks

Ram Lan – 11th Aug 2018

ADDING STORAGE:

I created a iSCSI storage of 500GB on EMC network storage (NAS) and then opened iSCSI initiator from Administrative Tools and completed the connection. After that formatted the disk. Now, I will add the storage.



Add Disk Storage

Select volumes to add to storage pool.
DPM will format these volumes and use them to store backed up data.

[Add disks](#)

Available volumes:

Volume	Capacity
D:\	499.87 GB


Add >
< Remove

Selected volumes:

Volume /	Friendly Name	Capacity
----------	---------------	----------

OKCancelHelp

Microsoft System Center Data Protection Manager



DPM will format the volume before adding it to storage pool. Any data present on the volume will be deleted permanently. Do you want to continue?

ID: 33508

YesNo

Add Disk Storage

Select volumes to add to storage pool.
DPM will format these volumes and use them to store backed up data.

[Add disks](#)

Available volumes:

Volume	Capacity
--------	----------

Add >
< Remove

Selected volumes:

Volume /	Friendly Name	Capacity
D:\	Backup Storage	499.87 GB

OKCancelHelp

System Center DPM Administrator Console

FileActionViewHelp

AddRescanCheck updatesOptionsAboutHelp

Disk StorageOptionsHelp

Production Servers

Protected: 0
Unprotected: 0
Upgrade available: 0

Disk Storage

Number of disks: 0
Number of volumes/folders: 1
Total capacity: 499.81 GB

6.72 GB493.08 GB

Search list below

Status	Name /	Friendly Name	Type	Preferred Datasource Types	Total Capacity	% Unused
DPM Storage Pool Volumes and Folders (Total: 1)						
✓	D:\	Backup Storage	Volume	All	499.81 GB	98 %

PRODUCTION SERVERS & INSTALLING AGENTS:

For this, I will be using Exchange Server – because, I want to backup Mailboxes for all users.

The screenshot displays the System Center DPM Administrator Console interface. At the top, the title bar reads "System Center DPM Administrator Console" with a menu bar containing "File", "Action", "View", and "Help". Below the menu bar is a toolbar with icons for "Add", "Manage VMware", "Check updates", "Options", "About", and "Help".

The main window is divided into two panes. The left pane, titled "Production Servers", shows a summary of server status: "Protected: 0", "Unprotected: 0", and "Upgrade available: 0". The right pane, titled "Search list below", contains a table with columns "Computer Name", "Type", and "Cluster Name". The table is currently empty, with the text "There are no c" visible at the bottom right.

Below the main window, the "Production Server Addition Wizard" is open. The wizard's title bar reads "Production Server Addition Wizard" with a close button (X). The main area of the wizard is titled "Select Production Server type" and "Select Production Server type". It features a "Steps:" list on the left with the following items: "Select Production Server type" (selected), "Select agent deployment method", "Select computers", "Enter credentials", "Choose restart method", "Summary", and "Installation".

The main content area of the wizard shows two radio button options: "Windows Servers" (selected) and "VMware Servers". The "Windows Servers" option is accompanied by the text "Install agent to protect Windows servers." The "VMware Servers" option is accompanied by the text "Connect with VMware servers to protect VMware VMs."

At the bottom of the wizard, there are four buttons: "< Back", "Next >" (highlighted), "Cancel", and "Help".

Production Server Addition Wizard
✕

Select Production Server type
 Select Production Server type

Steps:

- Select Production Server type
- Select agent deployment method
- Select computers
- Enter credentials
- Choose restart method
- Summary
- Installation

☒ **Install agents**
 Recommended for computers that are not behind firewalls, or computers that have the required exceptions created in the firewall. Selecting this option will install protection agent in the computers. Click help for more information.

☐ **Attach agents**
 Recommended for
 - computers behind firewall.
 - computers on which agent is already installed.
 - computers on which agent will be installed externally.
 Selecting this option will add the protected computers to the DPM server. If you have not already installed the agent, then you must manually install it on the protected computer by executing the DPMAgentInstaller. Click help for more information.

☐ **Computer on trusted domain**
 The computer belongs to the same domain as, or is in a domain that has a two-way trust with, the DPM server domain.

☐ **Computer in a workgroup or untrusted domain**
 The computer is part of a workgroup or on a domain that does not have two-way trust with the DPM server domain.

&
&
&
&

Production Server Addition Wizard
✕

Select Computers
 Select the computers on which to install the protection agents.

Steps:

- Select Production Server type
- Select agent deployment method
- Select computers
- Enter credentials
- Choose restart method
- Summary
- Installation

The computers listed are in the same domain as the DPM server. To add a computer from a different domain, type the fully qualified domain name. For example: machinename.domain.contoso.com

Computer name:

Computer	Domain
AGPM	RAMLAN.CA
APPV	RAMLAN.CA
CM	RAMLAN.CA
CM1	RAMLAN.CA
CM2	RAMLAN.CA
DC1	RAMLAN.CA
DC2	RAMLAN.CA
MBAM	RAMLAN.CA
OM	RAMLAN.CA
OOS	RAMLAN.CA
PAR	RAMLAN.CA
SFB	RAMLAN.CA
VMM	RAMLAN.CA
WBN10	RAMLAN.CA

&
&

Selected computers:

Computer	Domain
EX2016	RAMLAN.CA

Click Advanced to install an earlier version of the protection agent.
 &

&
&
&
&

**Enter Credentials**

Enter the credentials for a domain account that has administrator rights on all selected computers.

Steps:

- Select Production Server type
- Select agent deployment method
- Select computers
- Enter credentials
- Choose restart method
- Summary
- Installation

Please specify username and domain for a domain account that has administrator rights on the computers on which you wish to install agents.
DPM uses the credentials to install the protection agents.

User name:

administrator

Password:

●●●●●●●●

Domain:

RAMLAN.CA

< Back

Next >

Cancel

Help

**Choose Restart Method****Steps:**

- Select Production Server type
- Select agent deployment method
- Select computers
- Enter credentials
- Choose restart method
- Summary
- Installation

You might need to restart the protected computer after installing the protection agent.

DPM will automatically detect whether a restart is required. If a restart is required, DPM can restart all protected computers after the protection agent installation is completed, or you can manually restart the computers at a later time.

Do you want DPM to restart the selected computers?

☒ Yes. Restart the selected computers after installing the protection agents (if required).

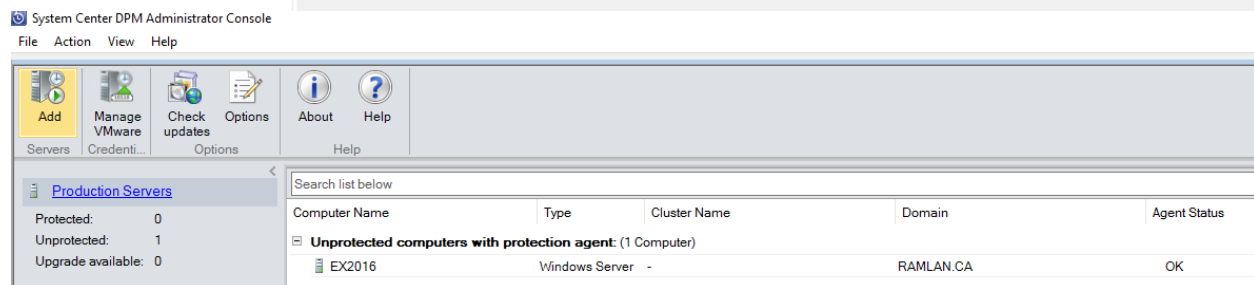
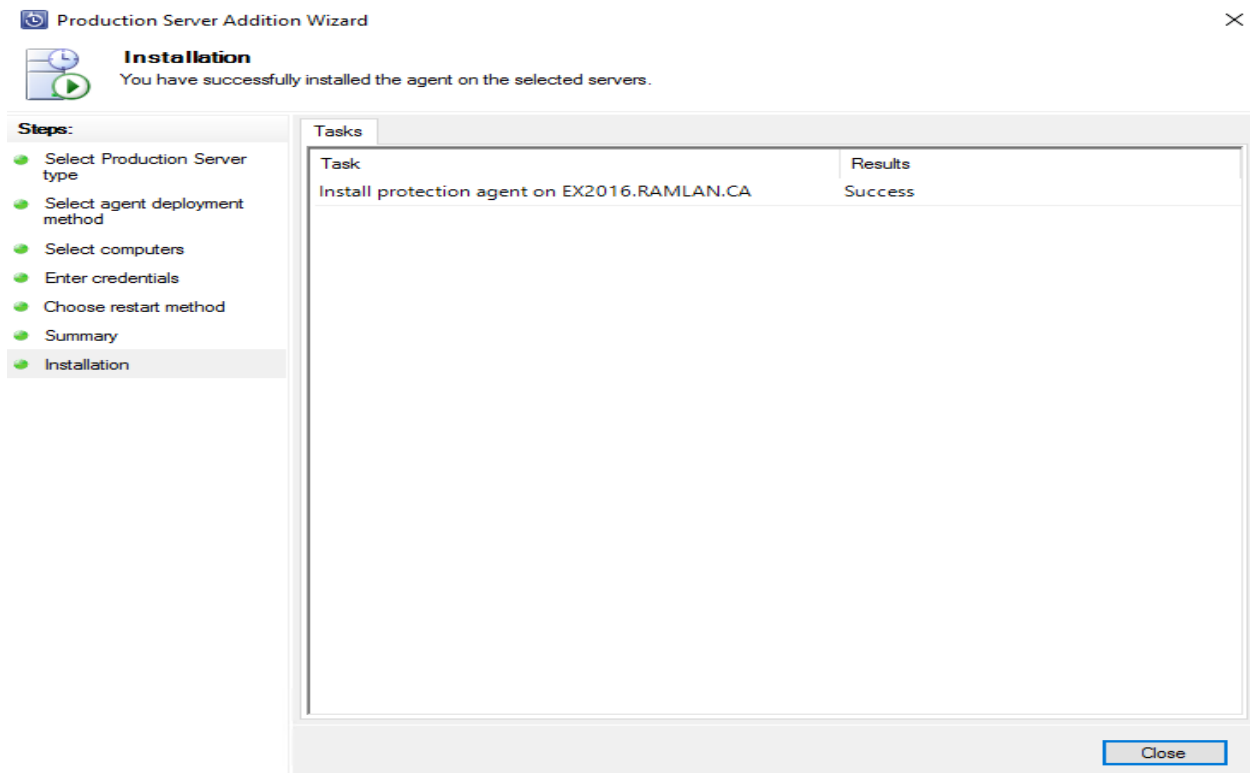
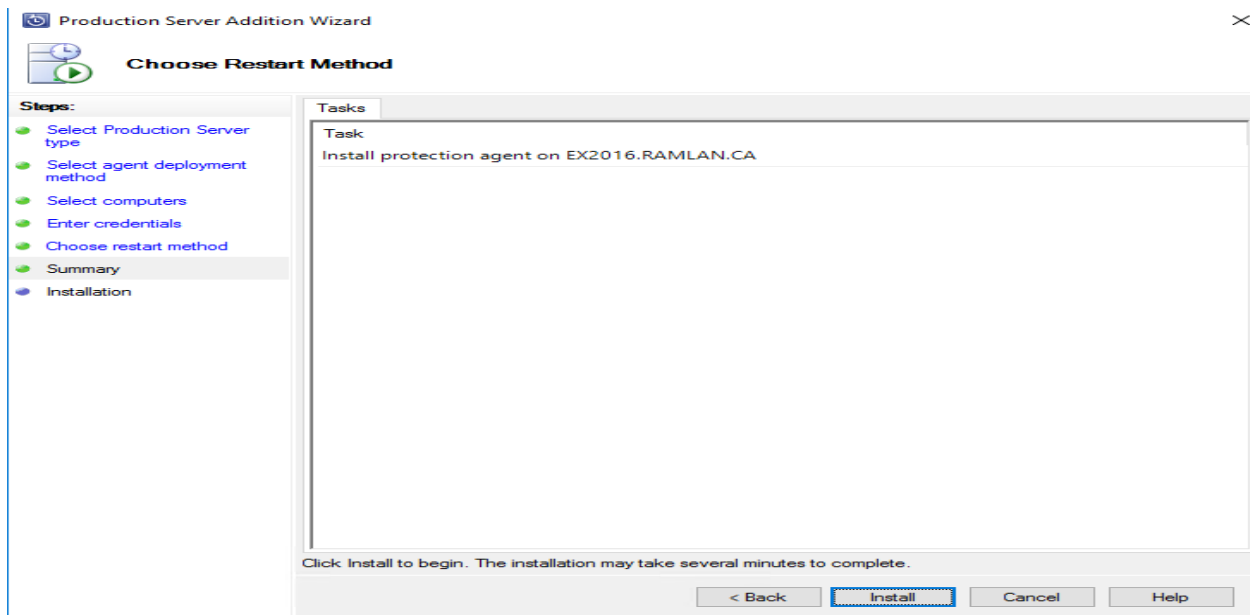
☐ No. I will restart the selected computers later.

< Back

Next >

Cancel

Help

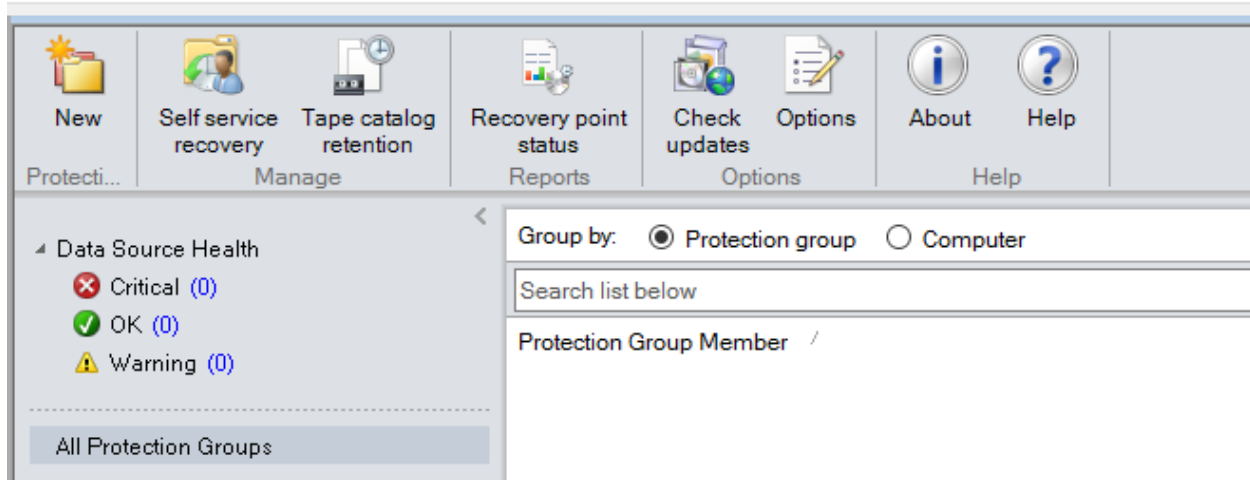


PROTECTION GROUP:

I am going to create a new protection group to backup EX mailbox within DPM configuration.

System Center DPM Administrator Console

File Action View Help



Create New Protection Group



Welcome to the New Protection Group Wizard

This wizard helps you create a new protection group that DPM will use to protect data.

Steps:

- 1. Welcome
- 2. Select protection group type
- 3. Select group members
- 4. Specify protection rules
- 5. Select data protection method
- 6. Select short-term goals
- 7. Choose consistency check options
- 8. Summary
- 9. Status

A protection group is a collection of data sources that share the same protection configuration. You use this wizard to specify your recovery goals that are defined by retention range, synchronization and recovery point schedules.



How data protection works:

1. DPM creates a replica of the selected data sources on the DPM server.
2. DPM synchronizes the replica with the data sources and creates recovery points on a recurring schedule.
3. Backups are performed as follows:
 - Disk-based and tape-based protection. DPM stores the replica of the data on disks and periodic full backups are created on tape from the recovery points on disk.
 - Tape-based protection. DPM performs periodic incremental and full backups of the protected data on tapes.
 - Online protection. DPM performs periodic backups of the protected data to Azure Backup.

☐ Do not show this Welcome page again

< Back

Next >

Cancel

Help

**Welcome to the New Protection Group Wizard**

This wizard helps you create a new protection group that DPM will use to protect data.

Steps:

- Welcome
- Select protection group type
- Select group members
- Specify protection rules
- Select data protection method
- Select short-term goals
- Choose consistency check options
- Summary
- Status

You can create two kinds of protection groups. Select one of them below

☒ Servers

Select this option for backing up file servers and application servers. Before selecting this option, ensure that the DPM protection agent is already installed on the target server. These computers must be online at the time of configuring protection. You will need to select the specific resources you want to backup.

☐ Clients

Select this option for backing up data from laptops and desktops. You can install the DPM protection agent after completing the configuration on the DPM server.

To configure secondary protection for laptops and desktops, select the Servers option.

< Back

Next >

Cancel

Help

**Select Group Members.**

Select the data that you want to protect.

Steps:

- Welcome
- Select protection group type
- Select group members
- Select data protection method
- Select short-term goals
- Choose consistency check options
- Summary
- Status

To choose the data to protect, select the check boxes in the Available members section. To exclude a folder, expand the directory structure, and if you do not see the data source you want to protect in the tree below, click the following link for a list of unsupported configurations.

[Unsupported configurations](#)

Available members

- RAMLAN.CA
 - DPM
 - EX2016
 - ☐ All Shares
 - ☐ All Volumes
 - ☒ Exchange 2016 Databases
 - ☐ HyperV
 - ☐ System Protection

Update data sources

Refresh to clear the cache and retrieve the latest data

Refresh

Selected members

Selected Members	Computer
Mailbox Database 097381...	EX2016.RAMLAN.CA

Remove

Excluded folders: 0 View
Excluded file types: 0 Exclude Files ...

< Back

Next >

Cancel

Help

**Select Data Protection Method**

DPM can help provide disk, online and tape based data protection.

Steps:

- Welcome
- Select protection group type
- Select group members
- Select data protection method
- Select short-term goals
- Choose consistency check options
- Summary
- Status

Protection group name: P1Exchange

Protection method

Select your protection method.

☒ I want short-term protection using: Disk☐ I want online protection

Configure online protection from the Management page to enable this option.

☐ I want long-term protection using tape

Protection using tape options are disabled as no tape libraries were detected or the protection group contains data sources that cannot be protected on tape.

< Back

Next >

Cancel

Help

**Specify Exchange Protection Options****Steps:**

- Welcome
- Select protection group type
- Select group members
- Select data protection method
- Specify exchange protection options
- Specify Exchange DAG protection
- Select short-term goals
- Review disk storage allocation
- Choose replica creation method
- Choose consistency check options
- Summary
- Status

Specify protection options for Exchange members

Eseutil integrity check

For disk based protection, Eseutil runs on the DPM server. For tape-based protection, Eseutil runs on the protected Exchange server.

☒ Run Eseutil to check data integrity

For Exchange Server 2010 or later:

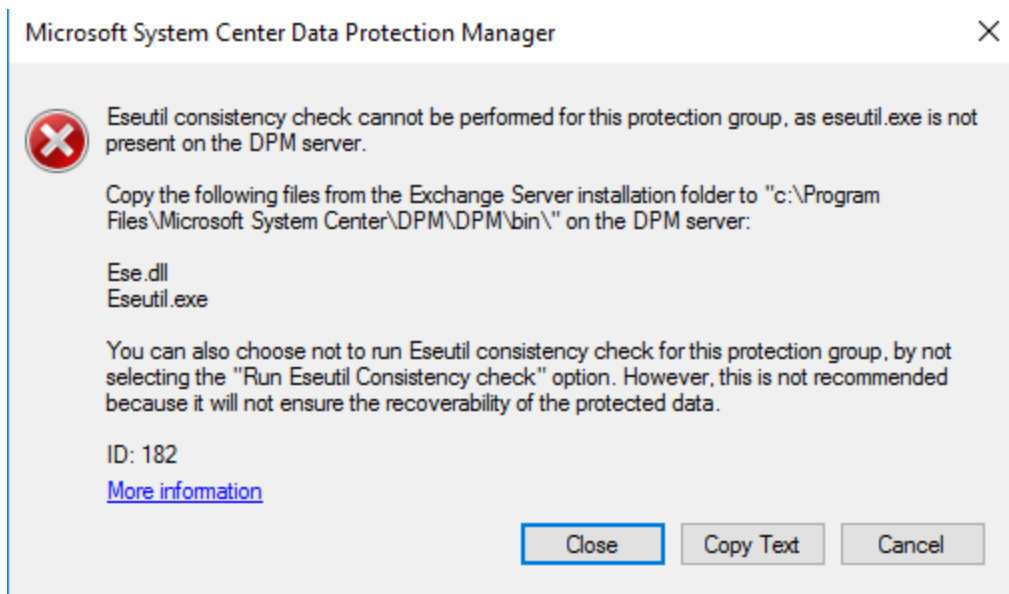
- ☒ Run for both database and log files (maybe slow if databases are large)
- ☐ Run for log files only (Recommended for DAG servers)

< Back

Next >

Cancel

Help



EX2016 > Local Disk (C:) > Program Files > Microsoft > Exchange Server > V15 > Bin >


Name	Date modified	Type	Size
EdgeTransport.exe	25-May-2018 11:2...	Application	56 KB
EdgeTransport.exe.config	09-Jul-2018 11:47 ...	CONFIG File	9 KB
EdgeTransport.exe.config.bak	25-May-2018 6:02 ...	BAK File	8 KB
EdgeTransport.exe.config.template	25-May-2018 6:02 ...	TEMPLATE File	8 KB
EDS.settings.ini	25-May-2018 6:02 ...	Configuration sett...	1 KB
EnabledInMemoryTraces.Config	27-Apr-2018 11:21...	CONFIG File	1 KB
EnterpriseServiceEndpointsConfig.xml	27-Apr-2018 11:21...	XML Document	2 KB
escprint.dll	25-May-2018 11:2...	Application extens...	27 KB
ese.dll	25-May-2018 11:2...	Application extens...	3,616 KB
eseback2.dll	25-May-2018 11:2...	Application extens...	325 KB
esebcli2.dll	25-May-2018 11:2...	Application extens...	293 KB
eseutil.exe	25-May-2018 11:2...	Application	397 KB
eservice.dll	25-May-2018 11:2...	Application extens...	51 KB

DPM > OS (C:) > Program Files > Microsoft System Center > DPM > DPM > bin

Name	Date modified	Type	Size
E14CmdletsWrapper.exe	04-Jul-2018 1:21 AM	Application	45 KB
E14CmdletsWrapper.exe.config	20-Jun-2017 2:37 ...	XML Configuratio...	1 KB
E14CmdletsWrapperProxy.dll	18-Dec-2017 4:44 ...	Application extens...	22 KB
Enable-ExchangeSCRProtection.ps1	18-Dec-2017 4:42 ...	Windows PowerS...	13 KB
EngineServiceProxyWrapper.dll	18-Dec-2017 4:43 ...	Application extens...	170 KB
EngineUICommon.dll	18-Dec-2017 4:43 ...	Application extens...	531 KB
ese.dll	25-May-2018 11:2...	Application extens...	3,616 KB
eseutil.exe	25-May-2018 11:2...	Application	397 KB

Create New Protection Group

×

 **Specify Exchange DAG Protection**

Steps:

- Welcome
- Select protection group type
- Select group members
- Select data protection method
- Specify exchange protection options
- Specify Exchange DAG protection**
- Select short-term goals
- Review disk storage allocation
- Choose replica creation method
- Choose consistency check options
- Summary
- Status

Full backup can only be performed from one copy of the database due to federated log truncation. All other copies must be selected for copy backup. If multiple copies of a database are selected for backup, ensure that only one of them are selected for full backup.

Database copies selected for Full Backup

Database	Node
Mailbox Database 09...	EX2016.RAMLAN.CA

Copy >

< Full

Database copies selected for Copy Backup

Database	Node
----------	------

< Back


Next >

Cancel

Help

Create New Protection Group


×

 **Specify Short-Term Goals**

DPM will create a protection plan using your short-term recovery goals.

Steps:

- Welcome
- Select protection group type
- Select group members
- Select data protection method
- Specify exchange protection options
- Specify Exchange DAG protection
- Select short-term goals**
- Review disk storage allocation
- Choose replica creation method
- Choose consistency check options
- Summary
- Status

 Specify your short-term recovery goals for disk-based protection.

Retention range: 5 days

Synchronization frequency: ☒ Every 1 hour(s) ☐ Just before a recovery point

Application recovery points

For applications the recovery point is as per synchronization frequency when they support incremental, otherwise the recovery point is as per express full backup.

Recovery points: Based on synchronization frequency (Every 60 minutes)

Express Full Backup: 8:00 PM Everyday

Modify ...

< Back

Next >

Cancel

Help

Create New Protection Group

Specify Short-Term Goals

DPM will create a protection plan using your short-term recovery goals.

Steps:

Welcome

Select protection group type

Select group members

Select data protection method

Specify exchange protection options

Specify Exchange DAG protection

Select short-term goals

Review disk storage allocation

Choose replica creation method

Choose consistency check options

Summary

Status

Review target storage assigned for each data source and change if need be.

Disk storage allocation for new members

Total data size:3.52 GB

Disk storage to be provisioned on DPM:4.26 GB

Disk storage allocation details:

Data Source /	Data Size	Space To Be...	Target Storage
Mailbox: Database 0973814463 on EX2016.RAML...	3.52 GB	4.26 GB	Backup Storage - 488.82 G ▾

Available target disk storage:

Name /	Friendly Name	Allowed Datasourc...	Total Space	Free Space	Underprovis...
D:\	Backup Storage	All	499.81 GB	488.82 GB	0 KB

< Back

Next >

Cancel

Help

Create New Protection Group

Choose Replica Creation Method

To protect the data you have selected, you must initially copy the selected data to the Data Protection Manager computer.

Steps:

Welcome

Select protection group type

Select group members

Select data protection method

Specify exchange protection options

Specify Exchange DAG protection

Select short-term goals

Review disk storage allocation

Choose replica creation method

Choose consistency check options

Summary

Status

DPM must create a replica to copy the selected data to the DPM server. How do you want to create the replica?

Replica in DPM Server

☒ Automatically over the network

☒ Now☐ Later

11-Aug-2018 ▾1:39:40 PM ▾

☐ Manually

You must transfer the data using removable media.
For large amounts of data, this operation may be faster than replica creation across the network.

< Back

Next >

Cancel

Help

**Choose Replica Creation Method**

To protect the data you have selected, you must initially copy the selected data to the Data Protection Manager computer.

Steps:

- Welcome
- Select protection group type
- Select group members
- Select data protection method
- Specify exchange protection options
- Specify Exchange DAG protection
- Select short-term goals
- Review disk storage allocation
- Choose replica creation method
- Choose consistency check options
- Summary
- Status

Running a consistency check on a replica that has become inconsistent allows DPM to continue protecting the data source. You can start a consistency check manually or allow DPM to run it automatically. Use the methods below to customize how DPM can run a consistency check.

- ☒ Run a consistency check if a replica becomes inconsistent

Select this method if you want DPM to automatically run a consistency check when it finds a replica in an inconsistent state. This method may require DPM to use additional CPU and disk resources.

- ☐ Run a daily consistency check according to the following schedule

Select this method if you want DPM to check for inconsistent replicas at a specified time every day and then run a consistency check if it finds one. This method may require additional CPU and disk resources during the specified hours.

Start time:

12:00 AM

Maximum duration:

480 hours

Cannot exceed 480 hours (20 days).

< Back

Next >

Cancel

Help

**Summary**

DPM is ready to create the P1Exchange protection group.

Steps:

- Welcome
- Select protection group type
- Select group members
- Select data protection method
- Specify exchange protection options
- Specify Exchange DAG protection
- Select short-term goals
- Review disk storage allocation
- Choose replica creation method
- Choose consistency check options
- Summary
- Status

Review the settings, and then click Create Group to create the P1Exchange protection group.

Protection group members:

Mailbox Database 0973814463

Protection group settings:

Setting	Details
Short-term retention range	5 Day(s)
Synchronization	Every 60 minutes
Recovery points (applications)	Every 60 minutes
Replica creation	Now

You can [optimize performance](#) of this protection group now or you can do it later from the actions pane.

< Back

Create Group

Cancel

Help

Create New Protection Group



Status

Steps:

- Welcome
- Select protection group type
- Select group members
- Select data protection method
- Specify exchange protection options
- Specify Exchange DAG protection
- Select short-term goals
- Review disk storage allocation
- Choose replica creation method
- Choose consistency check options
- Summary
- **Status**

Tasks

Task	Results
Create protection group: P1Exchange	Success
Allocate replica for Mailbox Database 0973814463	Success

i DPM does not protect reparse points found in file systems, except for deduplication reparse points, which are protected. If you have selected volumes or folders in this protection group, all data is protected except for the unprotected reparse points. Read [this link](#) page of DPM 2016 Help for more details on unsupported data.

Close

System Center DPM Administrator Console

File Action View Help

Protect... Manage Reports Options Help

Data Source Health
 Critical (0)
 OK (1)
 Warning (0)

All Protection Groups
 P1Exchange

Group by: ☒ Protection group ☐ Computer

Search list below

Protection Group Member	Type	Protection Status
Protection Group: P1Exchange (Total members: 1)		
Computer: EX2016.RAMLAN.CA Mailbox Database 0973814463	Exchange Mailbox Database	i Replica creation in progress

System Center DPM Administrator Console

File Action View Help

Protect... Data source operations Resume backups Manage Reports Options Help

Data Source Health
 Critical (0)
 OK (1)
 Warning (0)

All Protection Groups
 P1Exchange

Group by: ☒ Protection group ☐ Computer

Search list below

Protection Group Member	Type	Protection Status
Protection Group: P1Exchange (Total members: 1)		
Computer: EX2016.RAMLAN.CA Mailbox Database 0973814463	Exchange Mailbox Database	OK

END USER RECOVERY:

Options

SMTP Server Notifications Alert Publishing

End-user Recovery Auto Discovery

If you enable end-user recovery, users at client computers can recover files and folders from shares that are protected by Data Protection Manager.

☐ Enable end-user recovery

To enable end-user recovery, you must configure Active Directory so that Data Protection Manager can access it. If this is the first Data Protection Manager computer in your domain on which you are enabling end-user recovery, the Active Directory schema will also be extended.

[Configure Active Directory...](#)

[Learn how to install the shadow copy client software.](#)

OK Cancel Help

Configure Active Directory

Enter the credentials of a user with permission to update the Active Directory Schema.

☐ Use current credentials

☒ Enter credentials


User name:

Password:

Domain:

OK Cancel

Active Directory Configuration for Data Protection Manager

 This package will configure your Active Directory to support end-user recovery for Data Protection Manager. Do you want to continue?

Yes No

Active Directory Configuration for Data Protection Manager



Updating the Active Directory may take a few minutes. You will be notified when the process is complete.

OK

Data Protection Manager Active Directory Update Error



Active Directory could not be configured because the Active Directory domain could not be found. Make sure that the domain name is properly constructed. The following example shows a properly constructed domain name: city.corp.company.com.

OK

<https://social.technet.microsoft.com/Forums/en-US/2a38c16e-698b-4856-b071-0959cd4c90d5/data-protection-manager-active-directory-update?forum=dataprotectionmanager>

If you get above error – do the following.

Map DPM Server C\$ on your domain controller

Open Command Prompt and go to this location

Run DPMADSchemaExtension.exe

```
V:\Program Files\Microsoft System Center\DPM\DPM\End User Recovery>DPMADSchemaExtension.exe
```

```
V:\Program Files\Microsoft System Center\DPM\DPM\End User Recovery>
```

Active Directory Configuration for Data Protection Manager



This package will configure your Active Directory to support end-user recovery for Data Protection Manager. Do you want to continue?

Yes

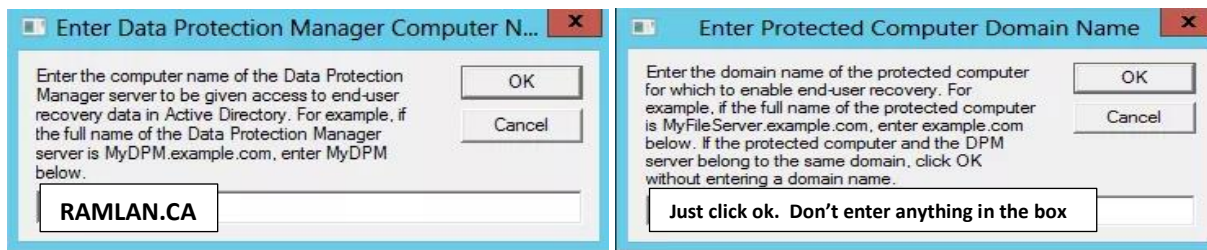
No

Enter Data Protection Manager Server Doma...

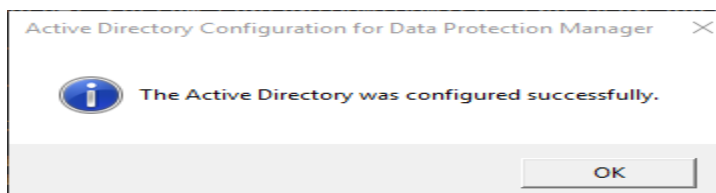
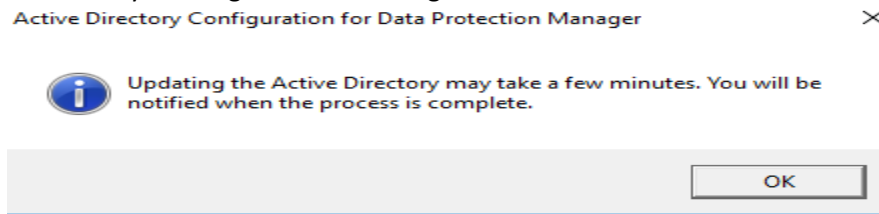
Enter the domain name of the Data Protection Manager server to be given access to end-user recovery data in Active Directory. For example, if the full name of the Data Protection Manager server is MyDPM.example.com, enter example.com below.

OK Cancel

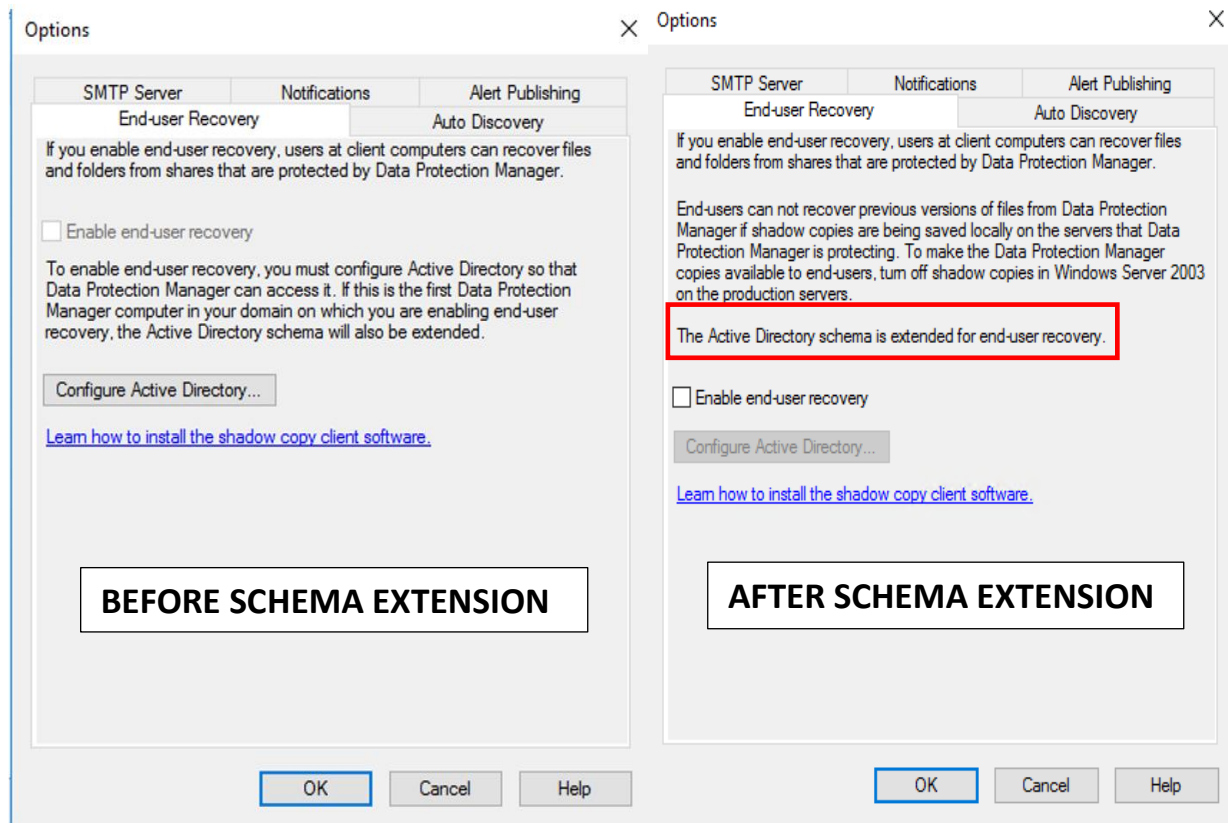
DPM



After that you will get below message



Now you can see AD Schema is extended



ENABLE END USER RECOVERY:

Options

SMTP Server	Notifications	Alert Publishing
End-user Recovery		Auto Discovery

If you enable end-user recovery, users at client computers can recover files and folders from shares that are protected by Data Protection Manager.

End-users can not recover previous versions of files from Data Protection Manager if shadow copies are being saved locally on the servers that Data Protection Manager is protecting. To make the Data Protection Manager copies available to end-users, turn off shadow copies in Windows Server 2003 on the production servers.

The Active Directory schema is extended for end-user recovery.

☒ Enable end-user recovery

[Configure Active Directory...](#)

[Learn how to install the shadow copy client software.](#)

OK Cancel Help

Microsoft System Center Data Protection Manager

Changes to end-user recovery settings do not fully take effect for each protection group until the next successful synchronization is complete.

ID: 532

OK

EMAIL SETTING:

Options

End-user Recovery	Auto Discovery
SMTP Server	Alert Publishing

Specify the SMTP server settings to e-mail reports and notifications.

SMTP server name:

SMTP server port:

"From" address:
(Must be a valid e-mail address on the SMTP server specified.)

Authenticated SMTP server

The username entered should be domain account name of person whose "From" address is mentioned above, otherwise notification delivery will fail.

Username:

Password:

[Send Test E-mail...](#)

OK Cancel Help

PRODUCTION CLIENTS & INSTALLING AGENTS ON W/S:

First we will install agents on all client systems and then create protection group for clients.

Production Server Addition Wizard



Choose Restart Method

Steps:

- Select Production Server type
- Select agent deployment method
- Select computers
- Enter credentials
- Choose restart method
- Summary
- Installation

☒ Windows Servers

Install agent to protect Windows servers.

☐ VMware Servers

Connect with VMware servers to protect VMware VMs.

< Back

Next

Cancel

Help

Production Server Addition Wizard



Choose Restart Method

Steps:

- Select Production Server type
- Select agent deployment method
- Select computers
- Enter credentials
- Choose restart method
- Summary
- Installation

☒ Install agents

Recommended for computers that are not behind firewalls, or computers that have the required exceptions created in the firewall. Selecting this option will install protection agent in the computers. Click help for more information.

☐ Attach agents

Recommended for

- computers behind firewall.
- computers on which agent is already installed.
- computers on which agent will be installed externally.

Selecting this option will add the protected computers to the DPM server. If you have not already installed the agent, then you must manually install it on the protected computer by executing the DPMAgentInstaller. Click help for more information.

☐ Computer on trusted domain

The computer belongs to the same domain as, or is in a domain that has a two-way trust with, the DPM server domain.

☐ Computer in a workgroup or untrusted domain

The computer is part of a workgroup or on a domain that does not have two-way trust with the DPM server domain.

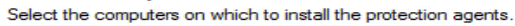
< Back

Next

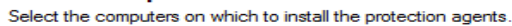
Cancel

Help

X

[Help](#)

×



Help

**Select Computers**

Select the computers on which to install the protection agents.

Steps:

- Select Production Server type
- Select agent deployment method
- Select computers
- Enter credentials
- **Choose restart method**
- Summary
- Installation

You might need to restart the protected computer after installing the protection agent.

DPM will automatically detect whether a restart is required. If a restart is required, DPM can restart all protected computers after the protection agent installation is completed, or you can manually restart the computers at a later time.

Do you want DPM to restart the selected computers?

- ☒ Yes. Restart the selected computers after installing the protection agents (if required).
- ☐ No. I will restart the selected computers later.

< Back

Next

Cancel

Help

**Select Computers**

Select the computers on which to install the protection agents.

Steps:

- Select Production Server type
- Select agent deployment method
- Select computers
- Enter credentials
- Choose restart method
- **Summary**
- Installation

Tasks**Task**

Install protection agent on WIN7.RAMLAN.CA
Install protection agent on WIN8.RAMLAN.CA
Install protection agent on WIN10.RAMLAN.CA
Install protection agent on AGPM.RAMLAN.CA
Install protection agent on APPV.RAMLAN.CA
Install protection agent on DC1.RAMLAN.CA
Install protection agent on DC2.RAMLAN.CA
Install protection agent on MBAM.RAMLAN.CA
Install protection agent on OM.RAMLAN.CA
Install protection agent on PAR.RAMLAN.CA
Install protection agent on OOS.RAMLAN.CA
Install protection agent on SFB.RAMLAN.CA
Install protection agent on VMM.RAMLAN.CA

Click Install to begin. The installation may take several minutes to complete.

< Back

Install

Cancel

Help

Production Server Addition Wizard
✕

Installation
 One or more agent installations failed.

Steps:

- Select Production Server type
- Select agent deployment method
- Select computers
- Enter credentials
- Choose restart method
- Summary
- Installation**

Tasks **Errors**

Task	Results
Install protection agent on WIN7.RAMLAN.CA	Success
Install protection agent on WIN8.RAMLAN.CA	Success
Install protection agent on WIN10.RAMLAN.CA	Failed
Install protection agent on AGPM.RAMLAN.CA	Success
Install protection agent on APPV.RAMLAN.CA	Success
Install protection agent on DC1.RAMLAN.CA	Success
Install protection agent on DC2.RAMLAN.CA	Success
Install protection agent on MBAM.RAMLAN.CA	Success
Install protection agent on OM.RAMLAN.CA	Success
Install protection agent on PAR.RAMLAN.CA	Success
Install protection agent on OOS.RAMLAN.CA	Success
Install protection agent on SFB.RAMLAN.CA	Success
Install protection agent on VMM.RAMLAN.CA	Success

[More about agent installation errors](#)

Close

Now we create protection group for clients to backup user data as detailed below

Create New Protection Group
✕

Select Group Members
 Select the computers that you want to protect.

Steps:

- [Welcome](#)
- Select protection group type
- Select group members**
- Specify protection rules
- Select data protection method
- Select short-term goals
- Choose consistency check options
- Summary
- Status

You can create two kinds of protection groups. Select one of them below

☐ Servers
 Select this option for backing up file servers and application servers. Before selecting this option, ensure that the DPM protection agent is already installed on the target server. These computers must be online at the time of configuring protection. You will need to select the specific resources you want to backup.

☒ Clients
 Select this option for backing up data from laptops and desktops. You can install the DPM protection agent after completing the configuration on the DPM server.

To configure secondary protection for laptops and desktops, select the Servers option.

< Back

Next >

Cancel

Help

**Select Group Members**

Select the computers that you want to protect.

Steps:

- Welcome
- Select protection group type
- Select group members
- Specify protection rules
- Select data protection method
- Select short-term goals
- Choose consistency check options
- Summary
- Status

You can select computers from the current domain using the list below, or by typing the fully qualified domain name in the Computer name text box. To add multiple computers in a single operation, click Add From File. After you click Next, the selected computers will appear in the list of agents in the Management task area.

Computer name:

VMM.RAMLAN.CA

Computer	Domain
CM2	RAMLAN.CA
AGPM	RAMLAN.CA
APPV	RAMLAN.CA
DC1	RAMLAN.CA
DC2	RAMLAN.CA
MBAM	RAMLAN.CA
OM	RAMLAN.CA
OOS	RAMLAN.CA
PAR	RAMLAN.CA
SFB	RAMLAN.CA
VMM	RAMLAN.CA

Add >

< Remove

Selected computers:

Computer	Domain
WIN10	RAMLAN.CA
WIN7	RAMLAN.CA
WIN8	RAMLAN.CA

Add From File...

< Back

Next >

Cancel

Help

**Specify Inclusions and Exclusions**

Specify the folders that you want to include or exclude from protection and the file types that you want to exclude

Steps:

- Welcome
- Select protection group type
- Select group members
- Specify protection rules
- Select data protection method
- Select short-term goals
- Choose consistency check options
- Summary
- Status

Specify the folders that you want to include or exclude from protection.

Folder inclusions and exclusions

For selecting folders you can choose commonly used folders (for example, My Documents) from the drop-down list or type in specific paths. Then choose whether you want to apply the include rule or exclude rule to them.

Included folders will always get backed up unless they are inside another excluded folder. Excluded folders and their sub-folders will not be backed up. For additional details, [click here](#).

Enter the Folder Path	Rule
Downloads	Include
My Documents	Include
Favorites	Include
My Pictures	Include
My Video	Include
My Music	Include

Add Rows

Remove Rows

☒ Allow users to specify protection group members

Select this option to allow end users to include folders of their choice for protection. Folders you have excluded will not be selectable. You must specify at least one include rule to enable this option.

File type exclusions

Type the file extensions (for example: .mp3,.wav) that you want to exclude from protection. Use comma ',' to separate multiple file types. These files will not be backed up if they are in an included folder or in a folder added by an end-user.

< Back

Next >

Cancel

Help

**Select Data Protection Method**

DPM can help provide disk, online and tape based data protection.

Steps:

- Welcome
- Select protection group type
- Select group members
- Specify protection rules
- Select data protection method
- Select short-term goals
- Review disk storage allocation
- Summary
- Status

Protection group name: P4CLIENTS

Protection method

Select your protection method.

☒ I want short-term protection using:

Disk

☐ I want online protection

Configure online protection from the Management page to enable this option.

☐ I want long-term protection using tape

Protection using tape options are disabled as no tape libraries were detected or the protection group contains data sources that cannot be protected on tape.

< Back

Next >

Cancel

Help

**Specify Short-Term Goals**

DPM will create a protection plan using your short-term recovery goals.

Steps:

- Welcome
- Select protection group type
- Select group members
- Specify protection rules
- Select data protection method
- Select short-term goals
- Review disk storage allocation
- Summary
- Status



Specify your short-term recovery goals for disk-based protection.

Retention range:

5 days

Synchronization frequency:

Every 24 hour(s)

Client computer recovery points

Specify recovery points for client computers.

Recovery points:

6:00 PM Everyday

Modify...

Alerting option

If you are protecting frequently disconnected computers like for which there would be lot of failures when they are not connected, you can specify when do you get alerted.

Alert me when the recovery points fail for: 14 days

< Back

Next >

Cancel

Help

**Review disk storage allocation**

Review the storage pool space allocated for this protection group.

Steps:

- Welcome
- Select protection group type
- Select group members
- Specify protection rules
- Select data protection method
- Select short-term goals
- Review disk storage allocation**
- Summary
- Status

Specify how much data will be protected from each computer. DPM would use this information to allocate space in the DPM storage pool.

Disk storage allocation for new members

Number of computers: 3

Data per computer: 15 GB

Disk storage to be provisioned on DPM: 54.34 GB

Disk storage allocation details:

Data Source /	Data Size	Space To ...	Target Storage
WIN10.RAMLAN.CA\User data on WIN10.R...	15.00 GB	18.12 GB	Backup Storage - 412. ▾
WIN7.RAMLAN.CA\User data on WIN7.RA...	15.00 GB	18.12 GB	Backup Storage - 412. ▾
WIN8.RAMLAN.CA\User data on WIN8.RA...	15.00 GB	18.12 GB	Backup Storage - 412. ▾

Available target disk storage:

Name /	Friendly N...	Allowed Dataso...	Total Spa...	Free Space	Underpro...
D:\	Backup Storage	All	499.81 GB	412.06 GB	0 KB

< Back

Next >

Cancel

Help

**Summary**

DPM is ready to create the P4CLIENTS protection group.

Steps:

- Welcome
- Select protection group type
- Select group members
- Specify protection rules
- Select data protection method
- Select short-term goals
- Review disk storage allocation
- Summary**
- Status

Review the settings, and then click Create Group to create the P4CLIENTS protection group.

Protection group members:

WIN10.RAMLAN.CA\User data
WIN7.RAMLAN.CA\User data
WIN8.RAMLAN.CA\User data

Protection group settings:

Setting	Details
Short-term retention range	5 Day(s)
Synchronization	Every 24 hours
Replica creation	Now

i You can [optimize performance](#) of this protection group now or you can do it later from the actions pane.

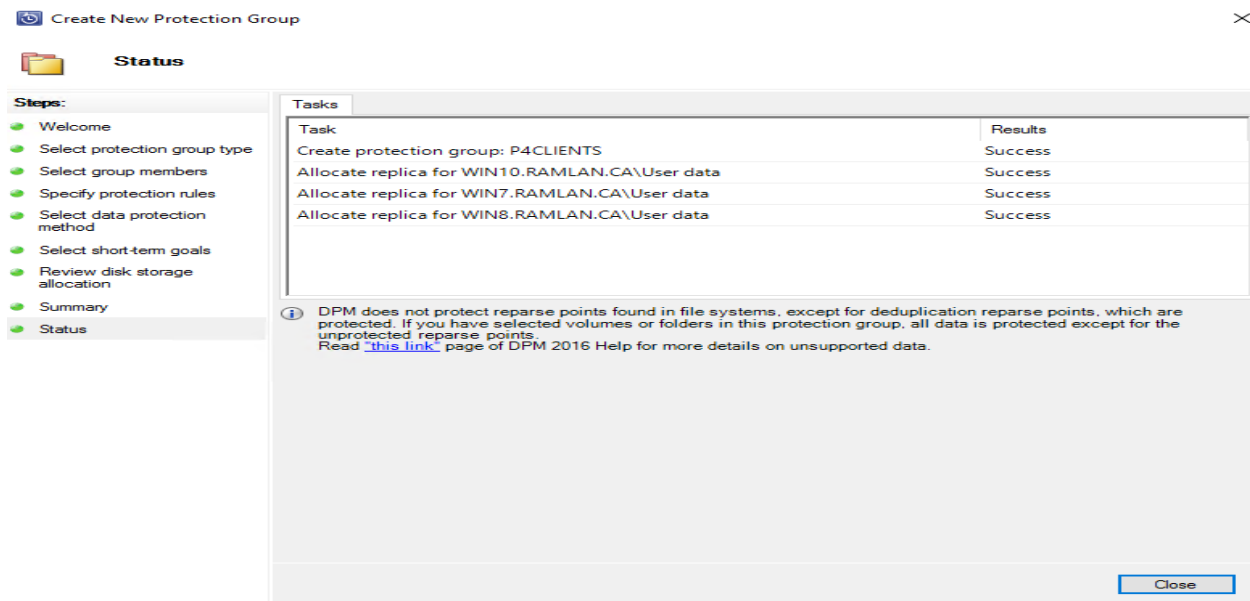
i Before you can begin protecting these client computers, you must install the protection agent on the client computers. For more information on how to install protection agents, see <http://go.microsoft.com/fwlink/p/?LinkID=232346>.

< Back

Create Group

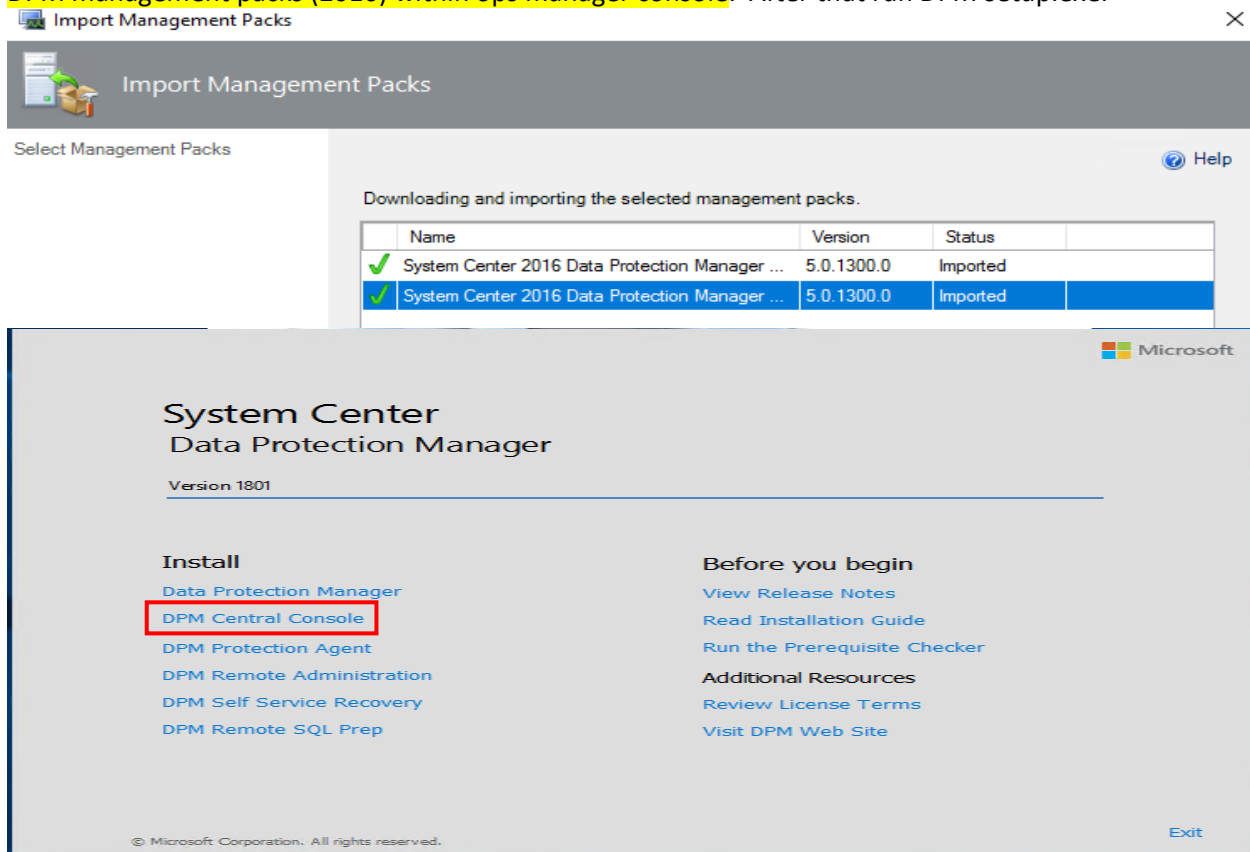
Cancel

Help



DPM CENTRAL CONSOLE:

This console should be installed on Operations Manager server. To install central console, make sure to install ops management agent on DPM server. **Remove old DPM management packs before importing DPM management packs (2016) within ops manager console.** After that run DPM setup.exe.



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Decline

Help

Data Protection Manager Central Console Setup



Welcome

Welcome to the Central Console Setup wizard.

Installation Stages

- Welcome
- Central Console Opt-In
- Prerequisites check
- Installation settings
- Microsoft Update Opt-In
- Installation

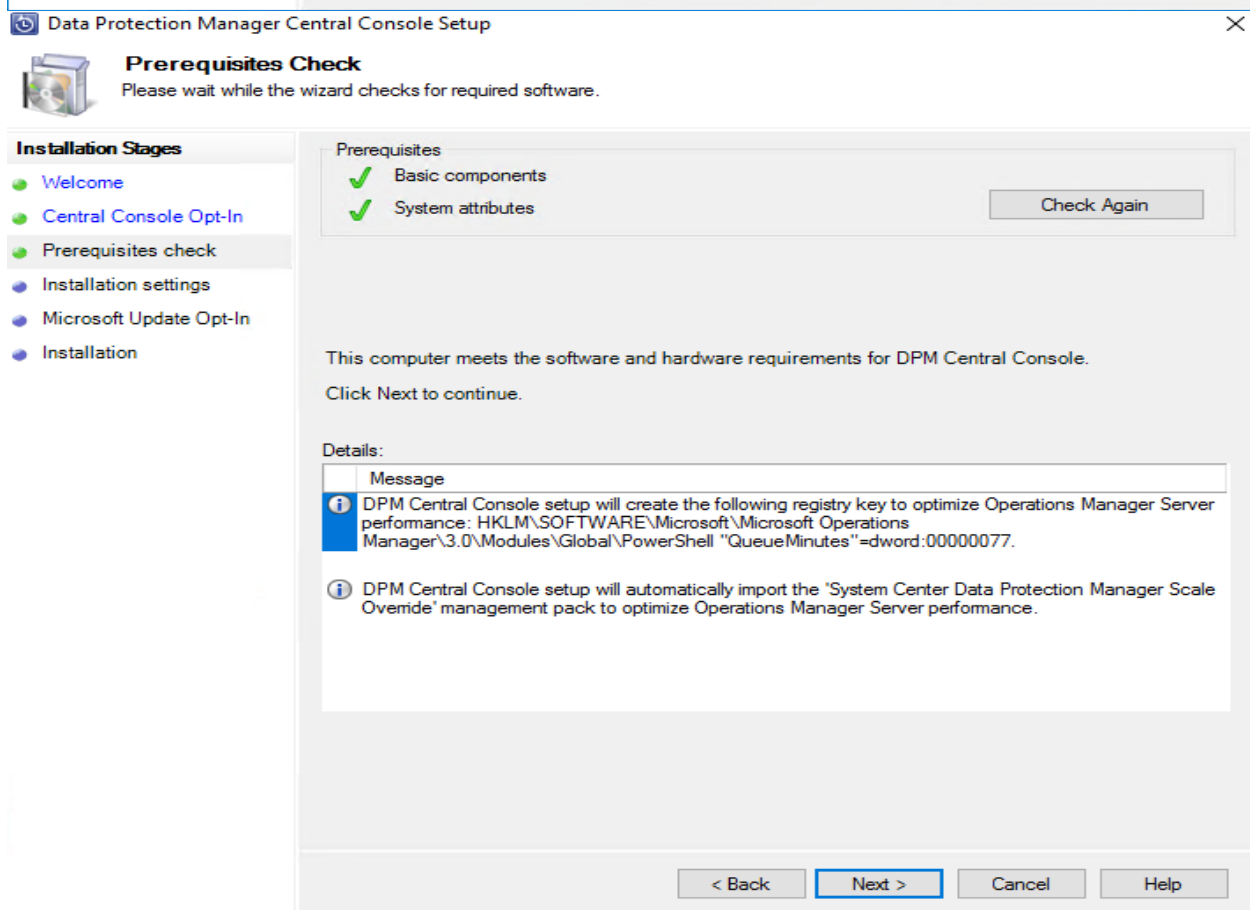
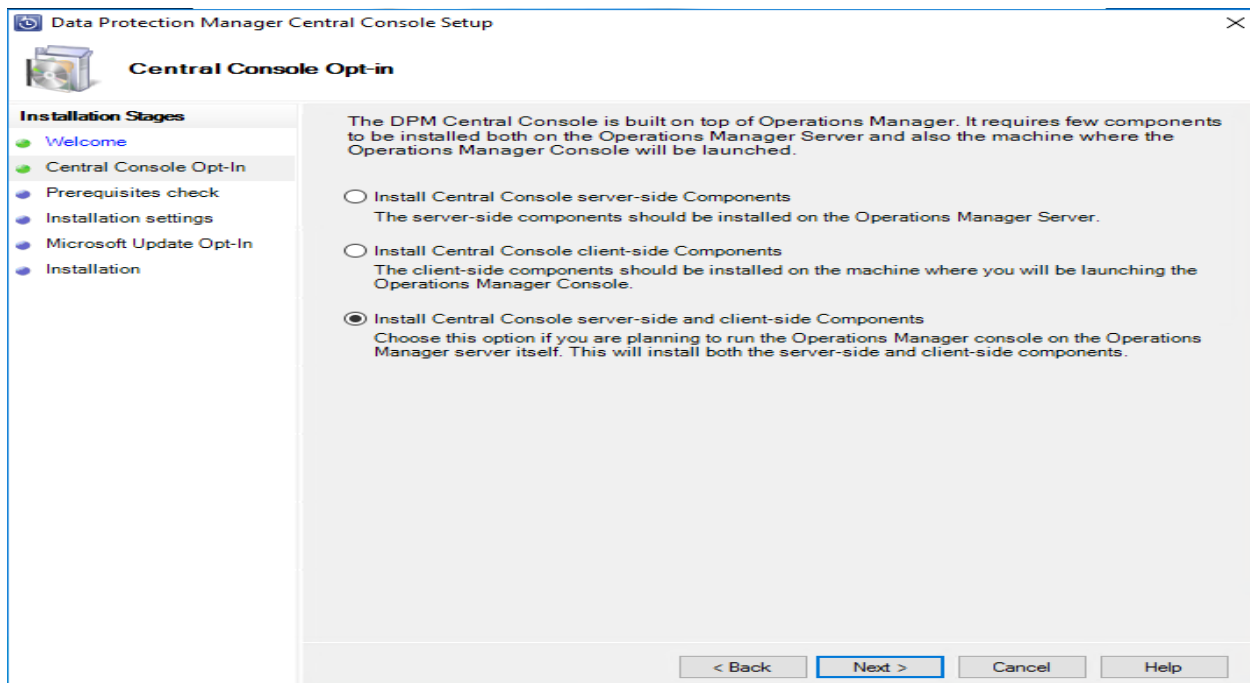


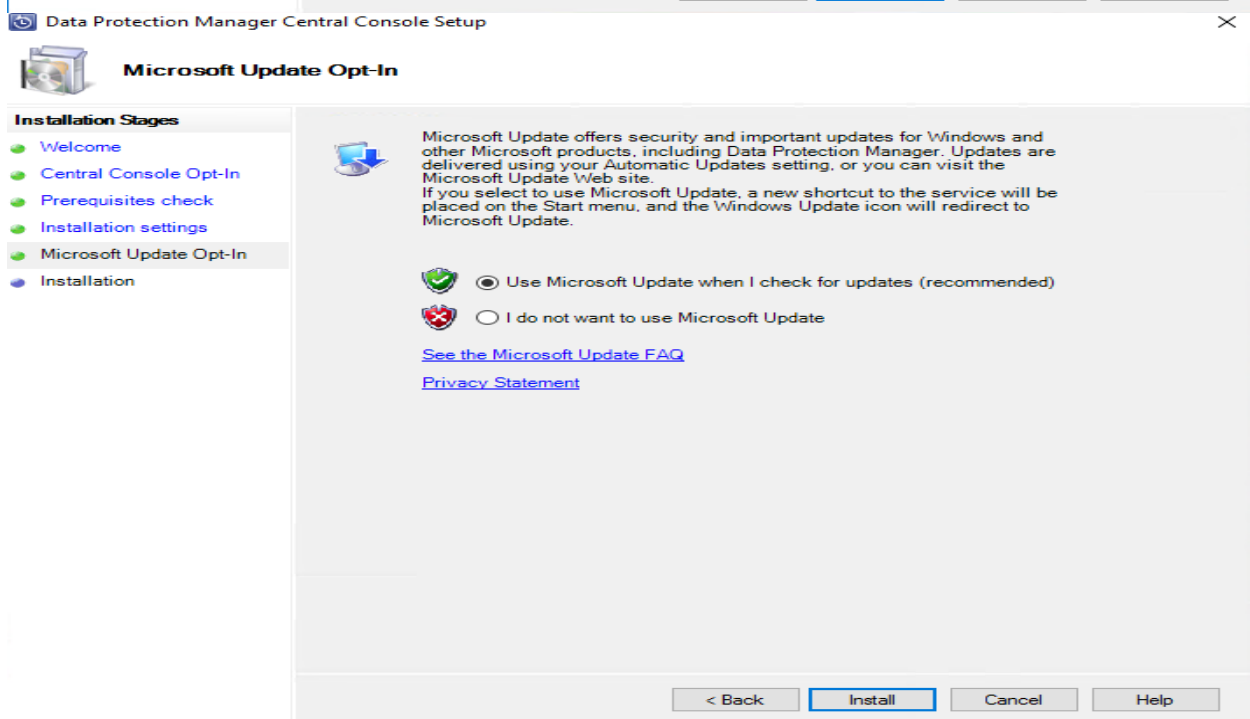
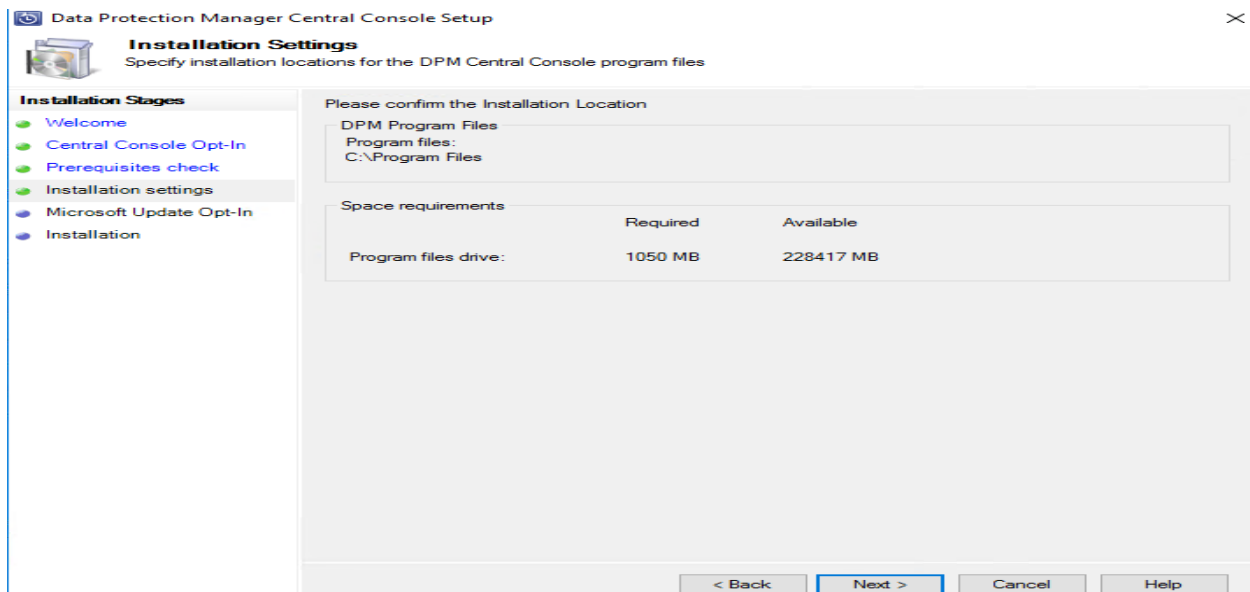
< Back

Next >

Cancel

Help



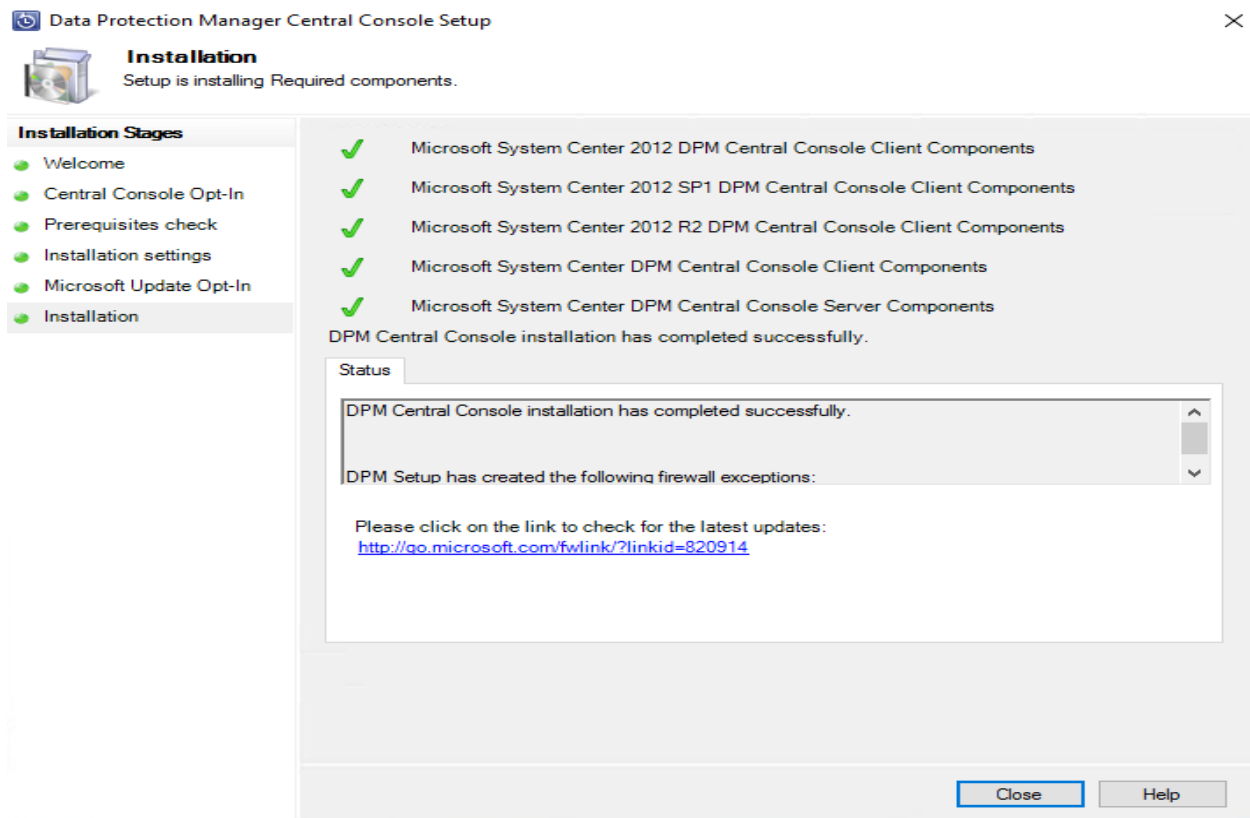


Data Protection Manager

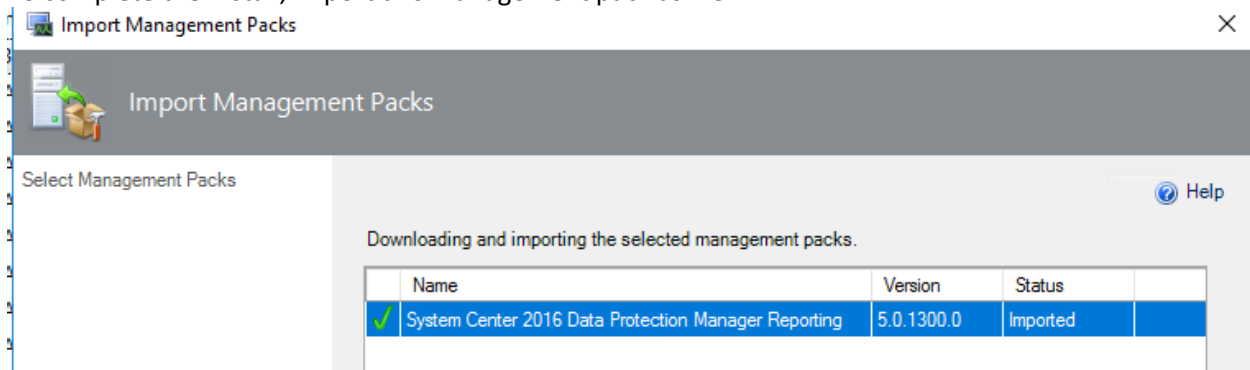


Setup has configured Operations Manager Server to run DPM data source discoveries at 06:00 and 18:00 DPM server time every day. To modify the scheduled discovery time, see <http://go.microsoft.com/fwlink/?linkid=820916>.

OK

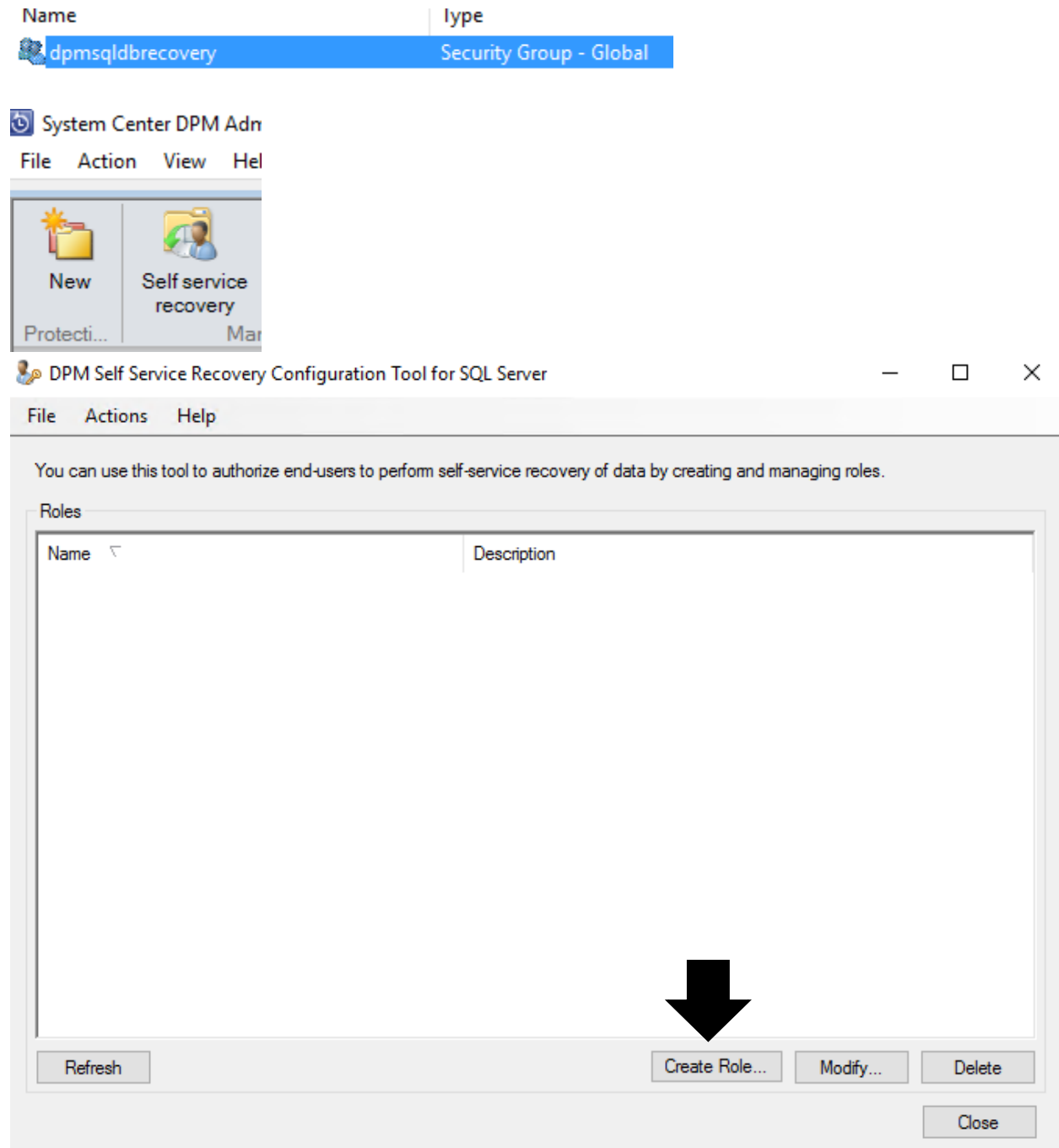


To complete the install, import this management pack as well



DPM SELF SERVICE RECOVERY:

Before you can use this tool we have to create a security group called **dpmsqldbrecovery** and add users that need to use this tool to recover SQL database from DPM backup without using DPM Console



Create New Role

×

📁

Welcome to the DPM Role Configuration Wizard

This wizard helps you configure DPM Roles through which self service recovery can be enabled for SQL Server users.

Steps:

Getting started

Specify security groups

Specify recovery items

Specify recovery targets

Summary

This wizard helps you configure roles to enable self-service recovery for SQL Server users.

To create a role for SQL Server self service recovery, you must identify the following:

- Security groups that represent the set of SQL Server users.
- SQL Server databases and instances of SQL Server that will be allowed for recovery.
- Instances of SQL Server that can be used as targets for recovery.

< Back

Next >

Cancel

Help

Create New Role

×

📁

Specify Security Groups

Specify security groups that represent the set of SQL Server users.

Steps:

Getting started

Specify security groups

Specify recovery items

Specify recovery targets

Summary

Specify a name which will be used to uniquely identify this role.

Role Name

SQL Database Recovery

Example: SQL Admins

Description

Users can recovery SQL Database from SQL Servers

Security Groups

Specify the security groups that represent the set of SQL Server users that will be included in this role.

Security Group

ramlan\dpmsqldbrecovery

Add

Remove

< Back

Next >

Cancel

Help

Create New Role

×

📁

Specify Recovery Items

Specify the SQL Server databases and instances of SQL Server

Steps:

Getting started

Specify security groups

Specify recovery items

Specify recovery targets

Summary

Specify the SQL server databases and instances of SQL Server that you want users of this role to be allowed to recover.

To allow all databases in an instance of SQL Server, clear the text in the Database Name column for that instance of SQL Server.

SQL Server Instance or Availability Group	Database Name
CM1\CAS2017DB	
CM\CM2017DB	

Add

Remove

< Back

Next >

Cancel

Help

Create New Role

Specify Recovery Items

Specify the SQL Server databases and instances of SQL Server

Steps:

Getting started

Specify security groups

Specify recovery items

Specify recovery targets

Summary

To allow users to recover the database as files, you do not need to configure recovery targets. At the time of recovery, users can specify any location where they have permissions to write

Recovery Target Locations

☐

Allow users to recover the databases to another instance of SQL Server

Users are not allowed to overwrite the original database.

[Learn more about configuring recovery targets...](#)

< Back

Next >

Cancel

Help

Create New Role

Specify Recovery Target Locations

Specify the instances of SQL Servers that can be used as recovery targets.

Steps:

Getting started

Specify security groups

Specify recovery items

Specify recovery targets

Summary

Review the settings, and then click Finish to save the role.

Role Name:

SQL Database Recovery

Description:

Users can recovery SQL Database from SQL Servers

Security Groups:

RAMLAN\dpmsqldbrecovey

Recovery Items:

2 Instances of SQL Server

Recovery Targets:

None

< Back

Finish

Cancel

Help

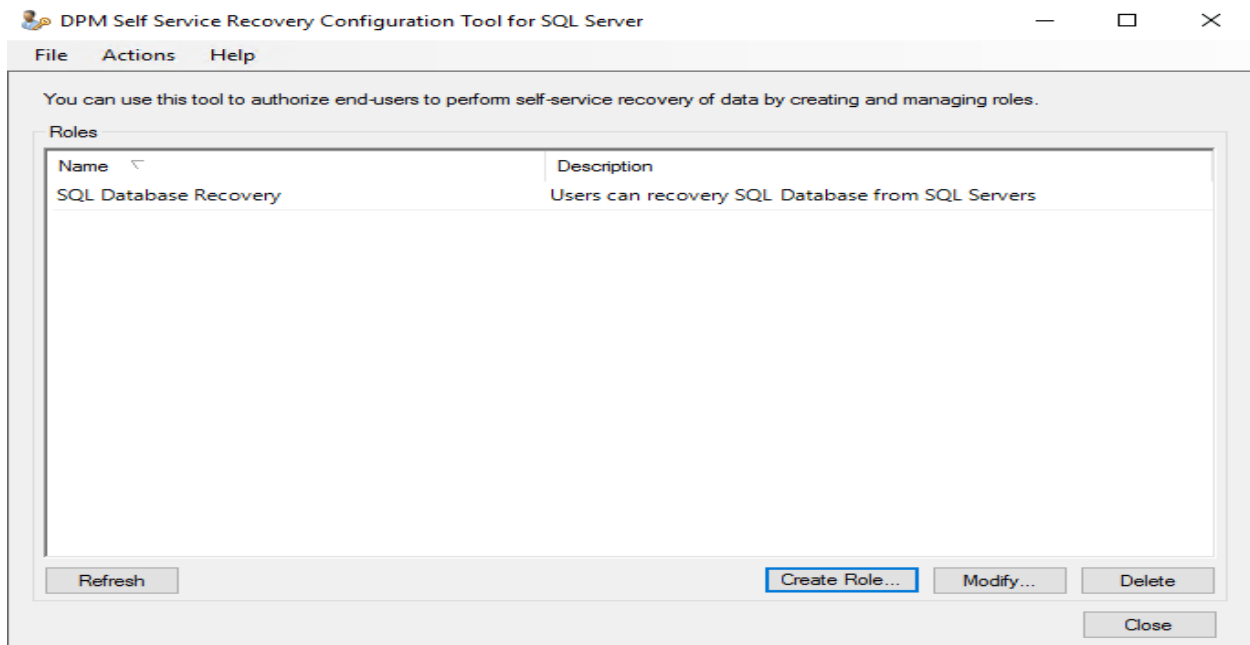
Microsoft System Center Data Protection Manager

i

The DPM role configuration has been successfully saved.

ID: 32664

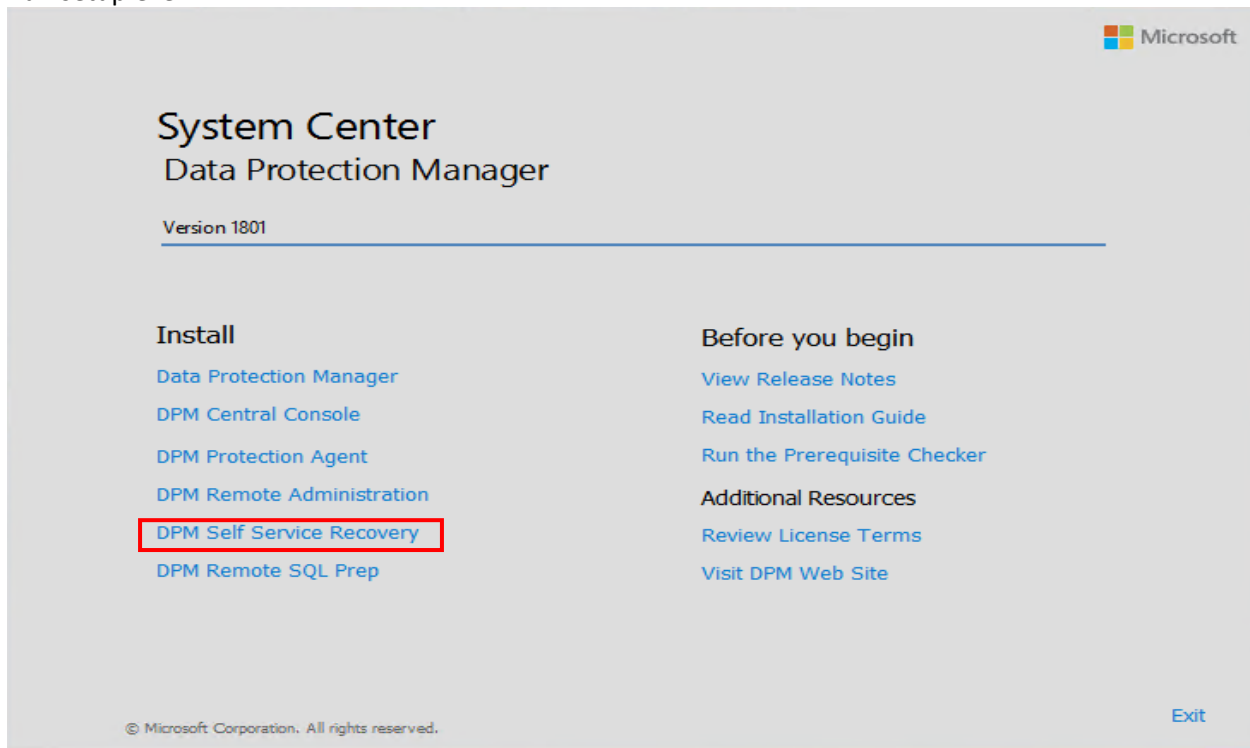
OK



Install self service recovery tool on a client computer

This tool should be installed on a client workstation for users to recover SQL database without using DPM Server Console.

Run setup.exe



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Help

Microsoft System Center DPM Self Service Recovery Tool Setup



Microsoft System Center DPM Self Service Recovery Tool

WARNING: This program is protected by copyright law and international treaties.

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< Back

Install

Cancel

Microsoft System Center DPM Self Service Recovery Tool Setup



Microsoft System Center DPM Self Service Recovery Tool

You have successfully installed Microsoft System Center DPM Self Service Recovery Tool.

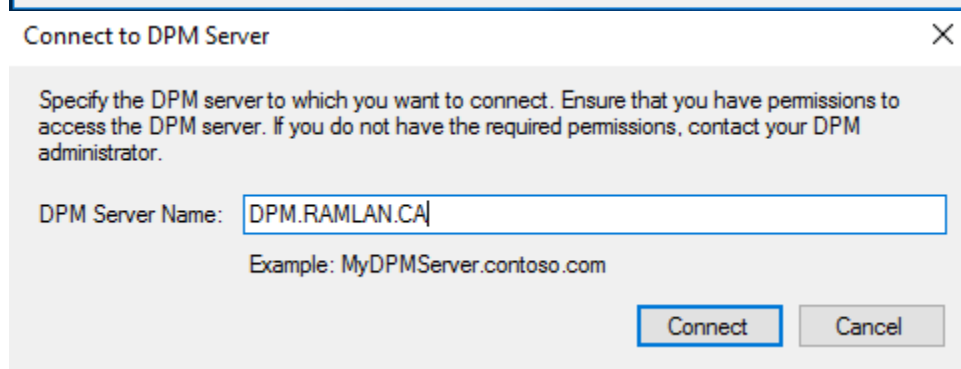
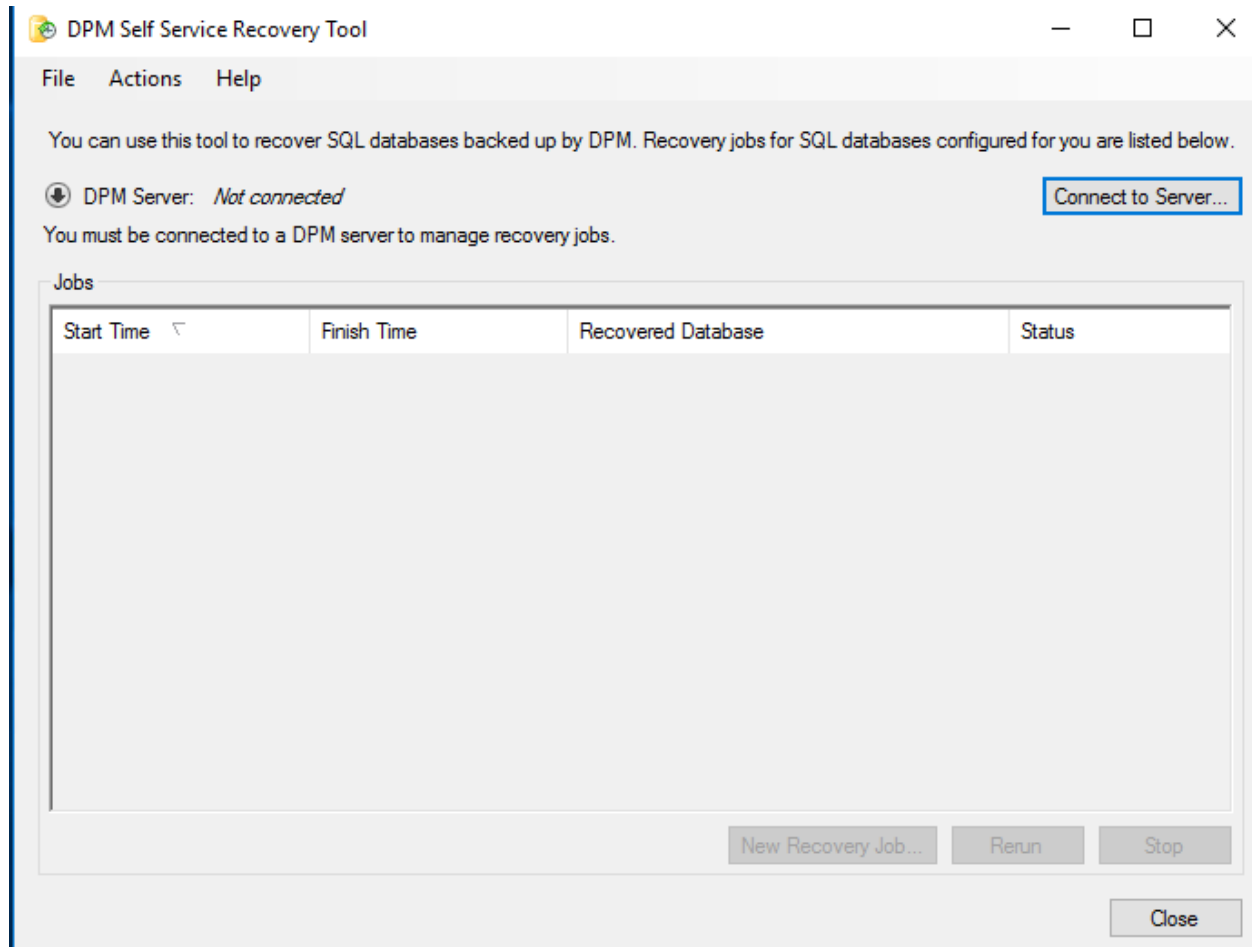
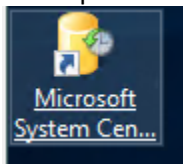
To close this wizard, click Finish.

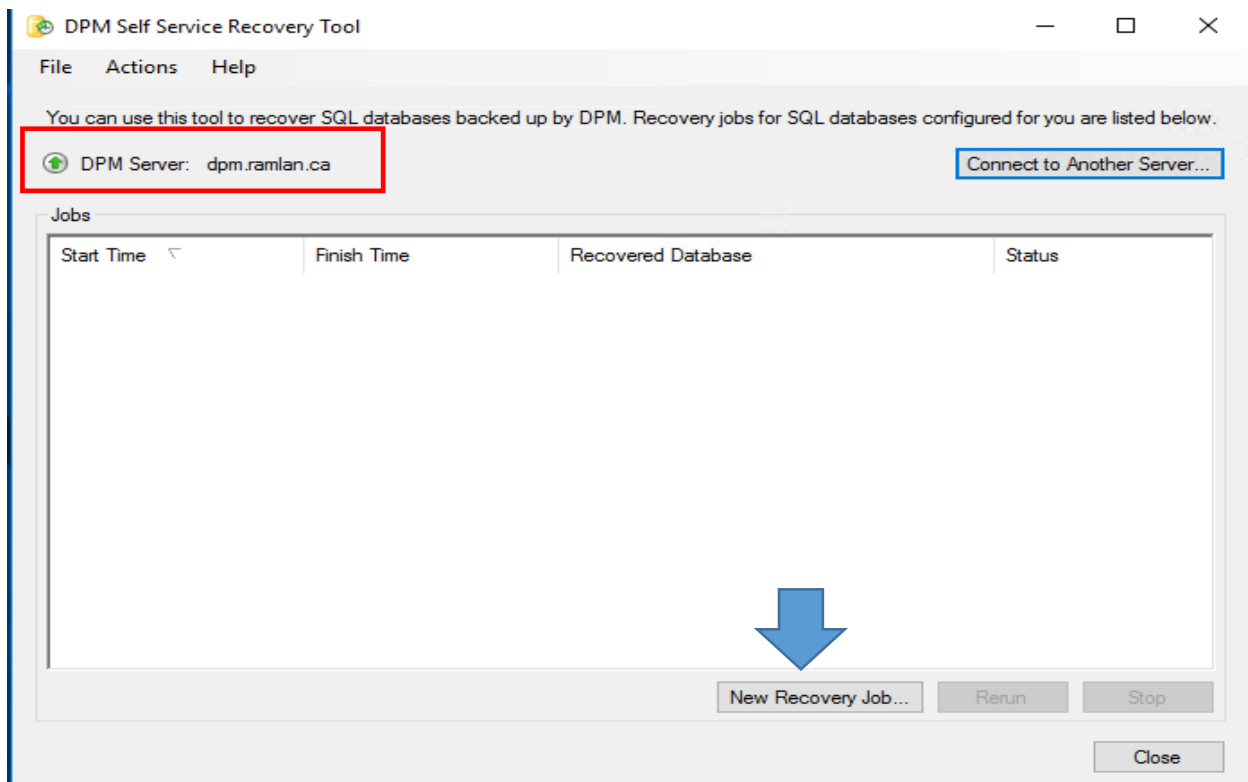
< Back

Finish

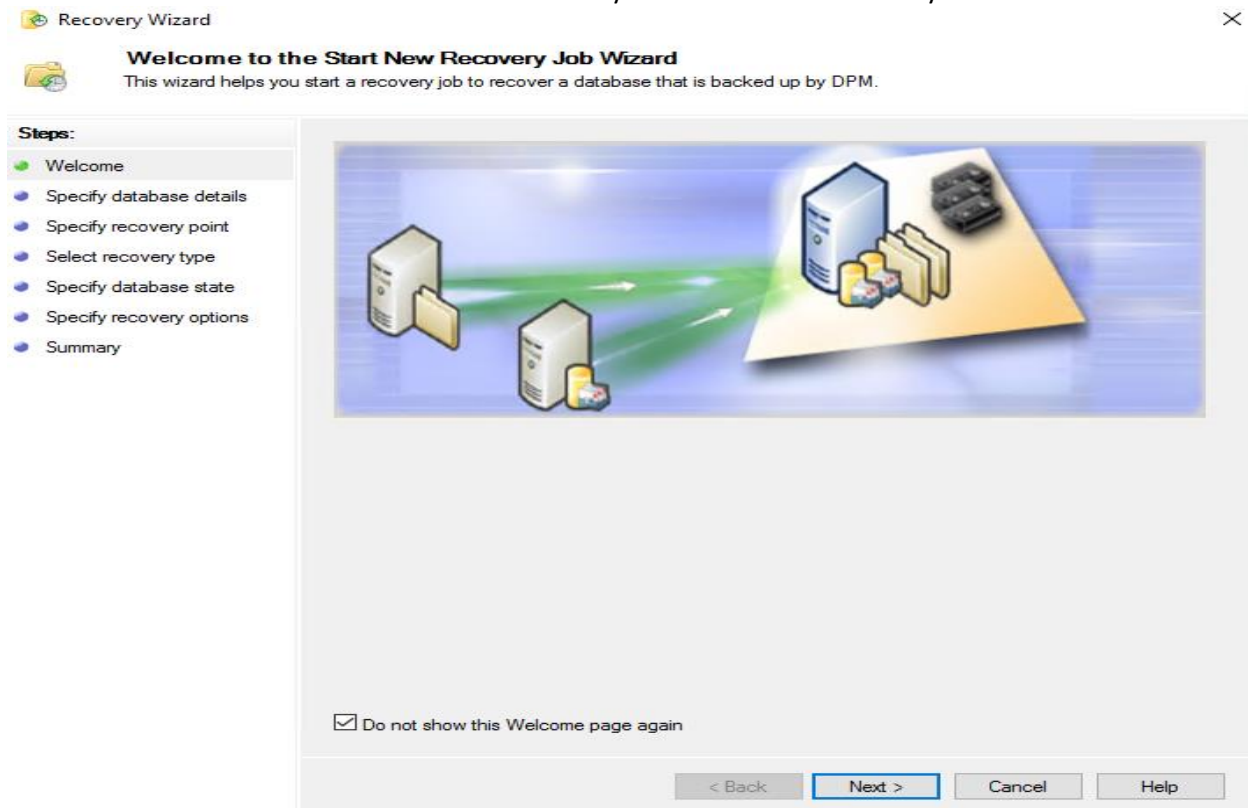
Cancel

Now open this tool





Now we are connected to DPM server. From here you can click New Recovery Job



**Specify Database Details**

Specify details about the database you want to recover and where it resides.

Steps:

- Welcome
- Specify database details**
- Specify recovery point
- Select recovery type
- Specify database state
- Specify recovery options
- Summary

Specify the details of the database you want to recover.

SQL Server Instance Name
or Availability Group:

CM\CM2017DB

Database Name:

CM_CAN

< Back

Next >

Cancel

Help

**Specify Recovery Point**

Specify which recovery point to use for recovery.

Steps:

- Welcome
- Specify database details
- Specify recovery point**
- Select recovery type
- Specify database state
- Specify recovery options
- Summary

Please select the recovery point to use for performing the recovery.

August 2018

Sun	Mon	Tue	Wed	Thu	Fri	Sat
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Available recovery points are indicated in bold on the calendar. Select the date from the calendar and the time from the drop down list for the recovery points that you want and then proceed.

Recovery date: August 11 2018

Recovery time: 9:02 PM

Recover from: Disk

< Back

Next >

Cancel

Help

**Select Recovery Type**

Select the type of recovery you want to perform.

Steps:

- Welcome
- Specify database details
- Specify recovery point
- Select recovery type**
- Specify destination
- Specify recovery options
- Summary

☐ Recover to any instance of SQL Server

This option allows you to recover to any instance of SQL Server on same or alternate server which has been preconfigured by your DPM administrator.

☒ Copy to a network folder

< Back

Next >

Cancel

Help

**Specify Destination**

Specify the network folder to store the recovered files.

Steps:

- Welcome
- Specify database details
- Specify recovery point
- Select recovery type
- Specify destination**
- Specify recovery options
- Summary

Specify where you would like to copy the database files.

All the files will be copied inside a folder named 'DPM_8-11-2018_21.2.3' in the copy destination.

Destination server (FQDN):

DC1.RAMLAN.CA

Example: MyServer.contoso.com

Destination folder:

C:\Myshare

Example: E:\Recovered\Database1

Space required:

6.00 GB

< Back

Next >

Cancel

Help

Recovery Wizard

Specify Recovery Options
Specify the options to apply to the recovery.

Steps:

- Welcome
- Specify database details
- Specify recovery point
- Select recovery type
- Specify destination
- Specify recovery options**
- Summary

Restore Security

☒ Apply security settings of destination computer
☐ Apply security settings of the recovery point version

Notification
Specify the list of people to notify when this recovery completes.

☒ Send an e-mail when this recovery completes

Recipients:

ram@ramlan.ca

Separate e-mail addresses with comma.
Example: kim@contoso.com, terry@adventure-works.com

< Back Next > Cancel Help

Click Next to complete the recovery job. I am not going to do because it was just a test process to give you all the way on how to configure database recovery using Self Service Recovery tool.

This concludes most of the configuration of DPM 1801/1807.

Ram Lan
12th Aug 2018

VARIOUS SCREEN SHOTS:

Management:

System Center DPM Administrator Console

File Action View Help

Add Disable protection Remove Throttle computer Refresh Manage VMware Check updates Options About Help

Production Servers

Protected: 6
Unprotected: 11
Upgrade available: 0

Disk Storage

Number of disks: 0
Number of volumes/folders: 1
Total capacity: 499.81 GB
34.87 GB
464.93 GB

Online

Registration status: Unknown
Azure backup agent version: -
Used space: -
Subscription Id: -

Libraries

Total libraries: 0
Total drives: 0
Free tapes: 0
Tapes ready for offsite: 0
Expired tapes: 0

Monitoring
Protection
Recovery
Reporting
Management

Search list below

Computer Name	Type	Cluster Name	Domain	Agent Status	Agent Updates	Throttling
Protected computers with protection agent: (6 Computers)						
CM	Windows Server	-	RAMLAN.CA	OK	-	-
CM1	Windows Server	-	RAMLAN.CA	OK	-	-
EX2016	Windows Server	-	RAMLAN.CA	OK	-	-
WIN10	Windows Server	-	RAMLAN.CA	OK	-	-
WIN7	Windows Server	-	RAMLAN.CA	OK	-	-
WIN8	Windows Server	-	RAMLAN.CA	OK	-	-
Unprotected computers with protection agent: (11 Computers)						
AGPM	Windows Server	-	RAMLAN.CA	OK	-	-
APPV	Windows Server	-	RAMLAN.CA	OK	-	-
CM2	Windows Server	-	RAMLAN.CA	OK	-	-
DC1	Windows Server	-	RAMLAN.CA	OK	-	-
DC2	Windows Server	-	RAMLAN.CA	OK	-	-
MBAM	Windows Server	-	RAMLAN.CA	OK	-	-
CM	Windows Server	-	RAMLAN.CA	OK	-	-
OOS	Windows Server	-	RAMLAN.CA	OK	-	-
PAR	Windows Server	-	RAMLAN.CA	OK	-	-
SFB	Windows Server	-	RAMLAN.CA	OK	-	-
VMM	Windows Server	-	RAMLAN.CA	OK	-	-

Details: WIN8.RAMLAN.CA

Protection agent version: 5.1.378.0
Network bandwidth usage throttling: Disabled

Reporting:

System Center DPM Administrator Console

File Action View Help

View Schedule Check updates Options About Help

Reports

Report

You can use DPM reporting to:-

- Track the status of jobs
- Review disk and tape usage
- Monitor usage trends

In addition to viewing reports, you can also schedule reports, and subscribe to receive them in email.

Disk Utilization
Recovery
Recovery Point Status
Status
Tape Management
Tape Utilization

Details: Recovery Report

Description: Provides details about recovery items and statistics of recovery jobs for tracking performance.
Schedule: None
E-mail: 0 subscribers
History: 0 copies available

Recovery:

System Center DPM Administrator Console

File Action View Help

End-user recovery Configure Check updates Options About Help

Browse

Filter servers

- Local DPM Data
 - RAMLAN.CA
 - CM
 - CM1
 - EX2016
 - WIN10**
 - WIN7
 - WIN8

Recovery points for: WIN10

Available recovery points are indicated in bold on the calendar.

Select the date from the calendar and the time from the drop down list for the recovery points that you want. Click recover in the Actions pane to open the Recovery Wizard.

Recovery date: Not applicable

Recovery time:

August 2018

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Path: WIN10.RAMLAN.CA\User data\C\users\shannon\

Search list below

Recoverable Item / Last Modified Size

Search

- Search Recovery Points
 - Files and folders
 - Exchange mailboxes
 - SharePoint
- Monitoring
- Protection
- Recovery**
- Reporting
- Management

11:32 AM 12-Aug-2018

Protection:

System Center DPM Administrator Console

File Action View Help

New Modify Add online protection Delete Optimize Consistency check Data source... Disk Online Tape Self service recovery Tape catalog retention Manage Recovery point status Reports Check updates Options About Help

Data Source Health

- Critical (0)
- OK (16)
- Warning (0)

All Protection Groups

- P1Exchange
- P2CAS
- P3PRI
- P4CLIENTS

Group by: Protection group Computer

Search list below

Protection Group Member	Type	Protection Status
Protection Group: P1Exchange (Total members: 1)		
Computer: EX2016.RAMLAN.CA		
Protection Group: P2CAS (Total members: 7)		
Computer: CM1.RAMLAN.CA		
Protection Group: P3PRI (Total members: 5)		
Computer: CM.RAMLAN.CA		
Protection Group: P4CLIENTS (Total members: 3)		
Computer: WIN10.RAMLAN.CA		
Computer: WIN7.RAMLAN.CA		
Computer: WIN8.RAMLAN.CA		

Details: P1Exchange

Status: There are no alerts which are associated with this protection group

Protection method: Short-term using disk

Short-term recovery: 5 days | 60 minutes synchronization

Storage consumed: 3.52 GB

Performance optimization: On-wire compression: Disabled | Consistency check: Automatic when replica becomes inconsistent | Express Full Backup-8:00 PM Everyday

11:32 AM 12-Aug-2018

Monitoring:

System Center DPM Administrator Console

File Action View Help

Create Refresh Modify Delete Check updates Options About Help

Filters Options Help

Alerts

☐ Show inactive alerts

All Alerts

Critical (0)

Warning (0)

Information (0)

Jobs

Default Filters

All jobs

All jobs in progress

Failed jobs for yesterday and today

Today's jobs

Custom Filters

Monitoring

Protection

Recovery

Reporting

Management

Group by: ☐ Protection group ☐ Computer ☒ Status ☐ Type

Search list below

Source Computer Protection Group Type Start Time Time Elapsed Data Transferred

Scheduled (Total jobs: 27)

Mailbox Database 0973...	ex2016.ramlan.ca	P1Exchange	Recovery point	12-Aug-2018 11:00:00 PM	-	-
Mailbox Database 0973...	ex2016.ramlan.ca	P1Exchange	Recovery point	12-Aug-2018 10:00:00 PM	-	-
Mailbox Database 0973...	ex2016.ramlan.ca	P1Exchange	Recovery point	12-Aug-2018 9:00:00 PM	-	-
CM1\CM2017DB\master	cm1.ramlan.ca	P3PRI	Recovery point	12-Aug-2018 9:00:00 PM	-	-
CM1\CM2017DB\msdb	cm1.ramlan.ca	P3PRI	Recovery point	12-Aug-2018 9:00:00 PM	-	-
CM1\CM2017DB\model	cm1.ramlan.ca	P3PRI	Recovery point	12-Aug-2018 9:00:00 PM	-	-
CM1\CM2017DB\SUSDB	cm1.ramlan.ca	P3PRI	Recovery point	12-Aug-2018 9:00:00 PM	-	-
CM1\CM2017DB\CM_CAN	cm1.ramlan.ca	P3PRI	Recovery point	12-Aug-2018 9:00:00 PM	-	-
CM1\CAS2017DB\Repor...	cm1.ramlan.ca	P2CAS	Recovery point	12-Aug-2018 8:00:00 PM	-	-
CM1\CAS2017DB\msdb	cm1.ramlan.ca	P2CAS	Recovery point	12-Aug-2018 8:00:00 PM	-	-
CM1\CAS2017DB\SUSDB	cm1.ramlan.ca	P2CAS	Recovery point	12-Aug-2018 8:00:00 PM	-	-
CM1\CAS2017DB\Repor...	cm1.ramlan.ca	P2CAS	Recovery point	12-Aug-2018 8:00:00 PM	-	-
CM1\CAS2017DB\msdb	cm1.ramlan.ca	P2CAS	Recovery point	12-Aug-2018 8:00:00 PM	-	-
CM1\CAS2017DB\model	cm1.ramlan.ca	P2CAS	Recovery point	12-Aug-2018 8:00:00 PM	-	-
CM1\CAS2017DB\CM_U...	cm1.ramlan.ca	P2CAS	Recovery point	12-Aug-2018 8:00:00 PM	-	-
Mailbox Database 0973...	ex2016.ramlan.ca	P1Exchange	Recovery point	12-Aug-2018 8:00:00 PM	-	-
Mailbox Database 0973...	ex2016.ramlan.ca	P1Exchange	Recovery point	12-Aug-2018 7:00:00 PM	-	-
WIN7.RAMLAN.CA\User...	win7.ramlan.ca	P4CLIENTS	Recovery point	12-Aug-2018 6:04:00 PM	-	-

Details:

Reports - Recovery:

File Edit View Favorites Tools Help

Page 1 of 2

Data Protection Manager

System Center 2016

Status Report

DPM Server: dpm.ramlan.ca

Weekly Report | Time Period: 8/11/2018 4:57:28 PM to 8/12/2018 4:57:28 PM

Date of Report: 8/12/2018

Report Description: Provides status of all recovery points for a specified time period, lists recovery jobs, and shows the total number of successes and failures for recovery points and disk-based and tape-based recovery point creations. This report shows trends in the frequency of errors that occur and lists the number of alerts.

Status Report

Type	Number of Alerts	
	New (Last 1 day)	Total (All)
Critical	0	0
Warning	0	0

Status of all recovery points

Recovery...

8/11/2018 4:57:28 PM - 8/12/2018 4:57:28 PM

Time Period

Succeeded

Failed

Status of all recoveries

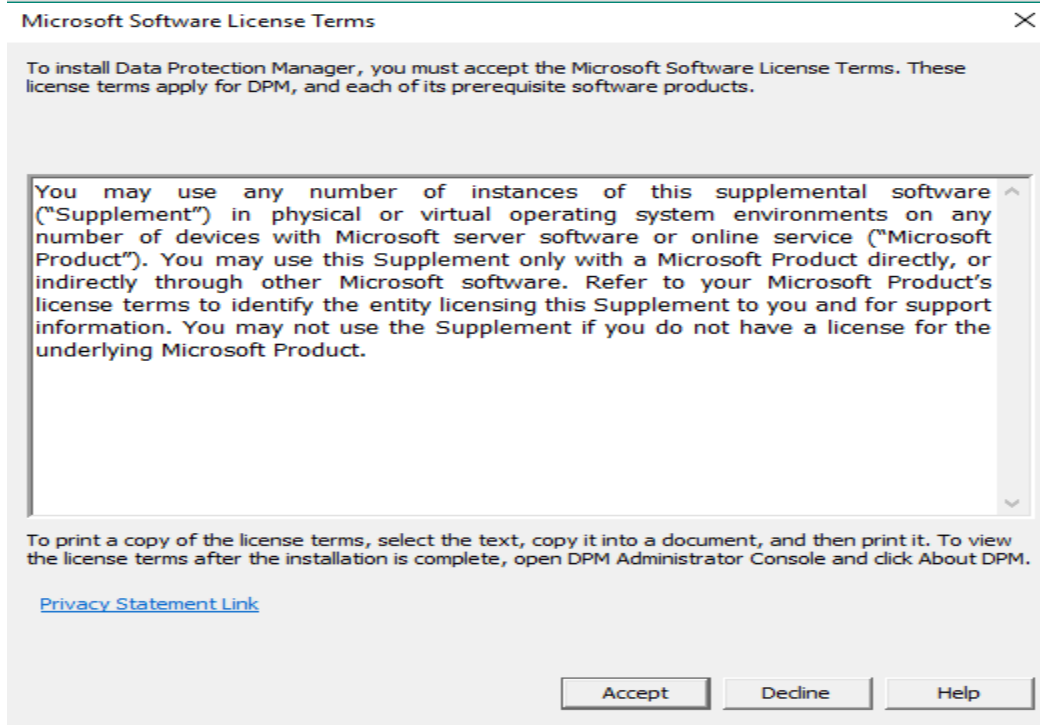
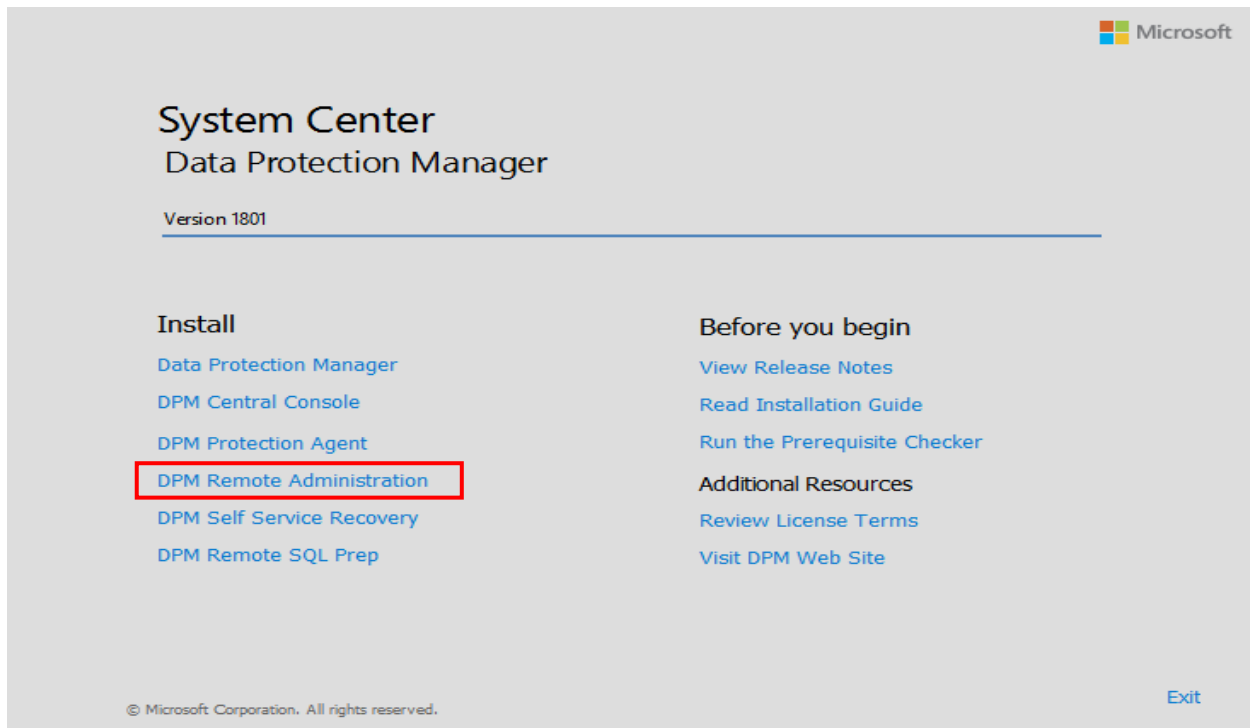
No Recovery job ran during this period

Recovery Point Creations		
	Successful	Failed
Total	56	0
On Disk	56	0
On Tape	0	0

Recoveries		
	Successful	Failed
Total	0	0

DPM REMOTE ADMINISTRATION TOOL:

I am installing this tool on Windows 10 workstation. Run setup.exe



**Welcome**

Welcome to the System Center DPM Administrator Console Setup wizard.

Installation Stages

- Welcome
- Prerequisites check
- Installation settings
- Microsoft Update Opt-In
- Installation



< Back

Next >

Cancel

Help

**Prerequisites Check**

Please wait while the wizard checks for required software.

Installation Stages

- Welcome
- Prerequisites check
- Installation settings
- Microsoft Update Opt-In
- Installation

Prerequisites

- ✓ Basic components
- ✓ System attributes

Check Again

This computer meets the software and hardware requirements for DPM Central Console.
Click Next to continue.

< Back

Next >

Cancel

Help

**Installation Settings**

Specify installation locations for the DPM Remote Administration program files

Installation Stages

- Welcome
- Prerequisites check
- Installation settings
- Microsoft Update Opt-In
- Installation

Please confirm the Installation Location

DPM Program Files

Program files:
C:\Program Files

Space requirements

	Required	Available
Program files drive:	650 MB	92630 MB

< Back

Next >

Cancel

Help

**Microsoft Update Opt-In****Installation Stages**

- Welcome
- Prerequisites check
- Installation settings
- Microsoft Update Opt-In
- Installation



Microsoft Update offers security and important updates for Windows and other Microsoft products, including Data Protection Manager. Updates are delivered using your Automatic Updates setting, or you can visit the Microsoft Update Web site. If you select to use Microsoft Update, a new shortcut to the service will be placed on the Start menu, and the Windows Update icon will redirect to Microsoft Update.

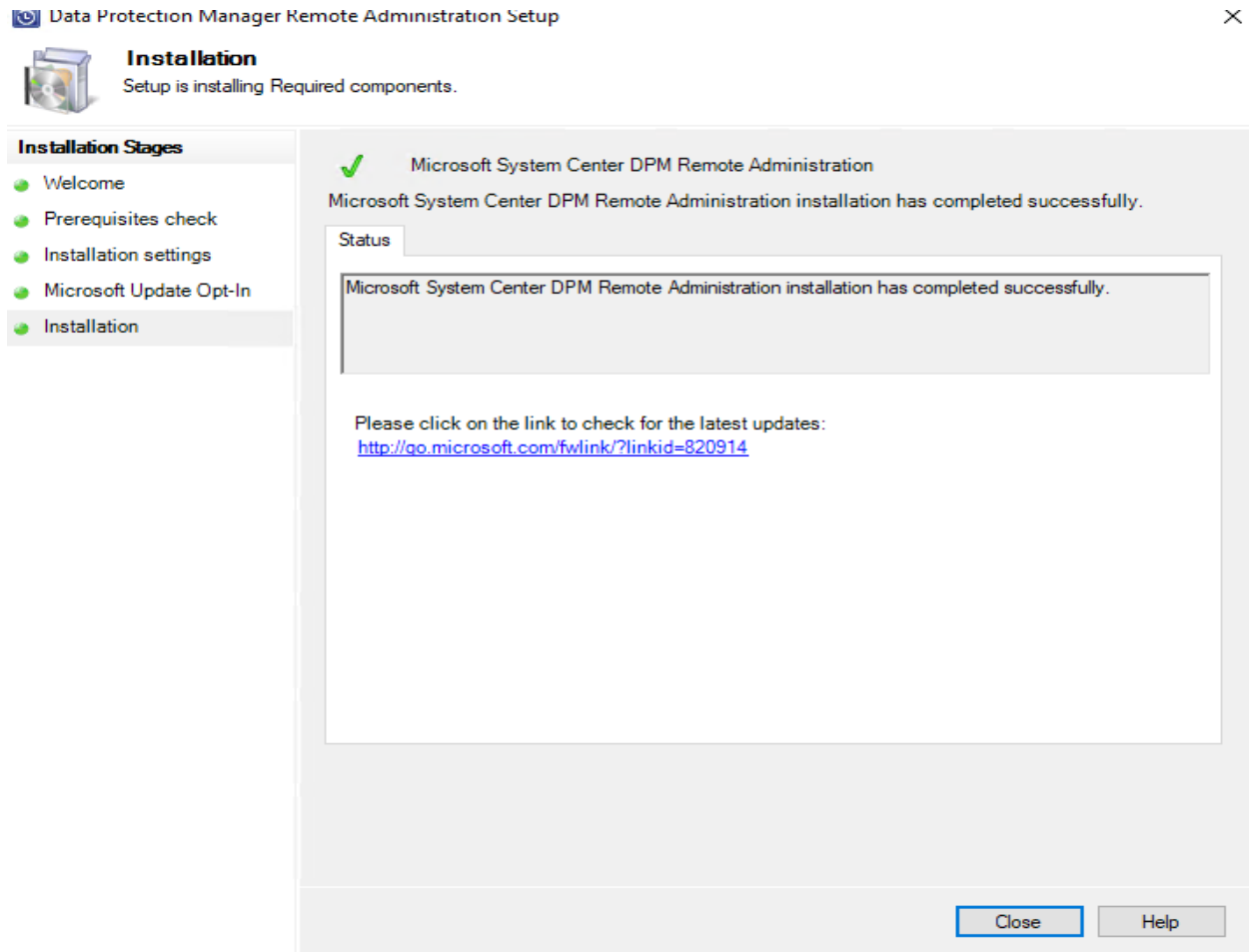
☒ Use Microsoft Update when I check for updates (recommended)☐ I do not want to use Microsoft Update[See the Microsoft Update FAQ](#)[Privacy Statement](#)

< Back

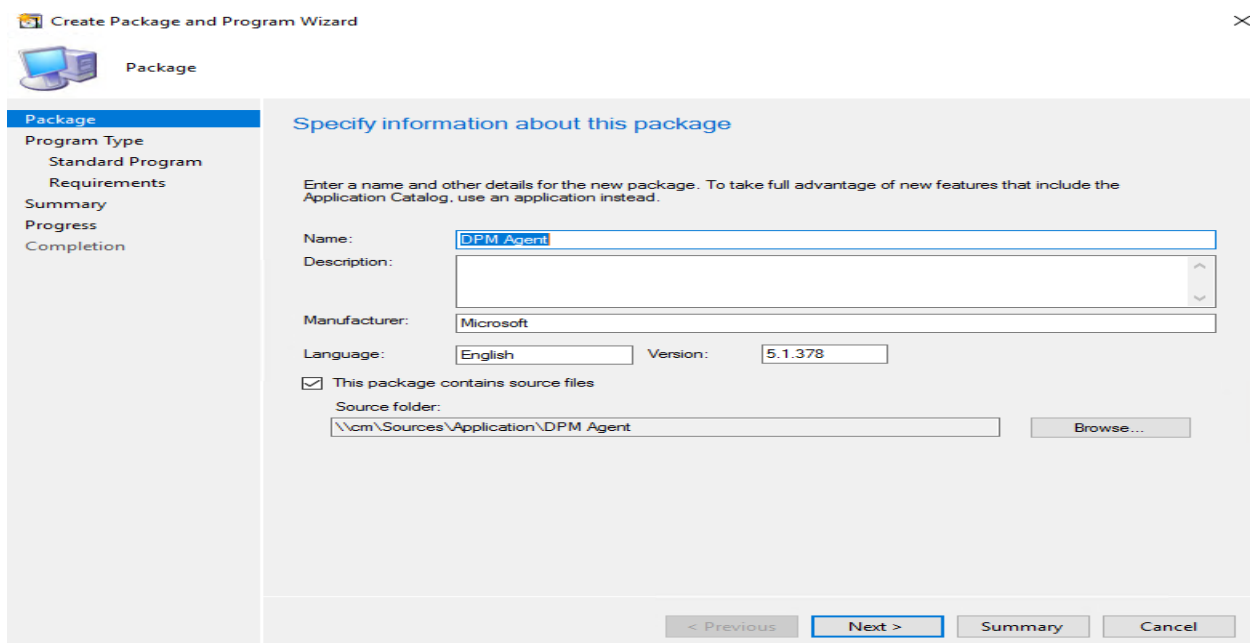
Install

Cancel

Help



PACKAGE CREATION FOR DEPLOYING DPM AGENT TO W/S:





Program Type

Package

Program Type

Standard Program

Requirements

Summary

Progress

Completion

Choose the program type that you want to create

☒ Standard program

Create a program for a client computer.

☐ Program for device

Create a program for a device.

☐ Do not create a program

Create a package, but do not create a program. You can use the Create Program Wizard to add a program later.

< Previous

Next >

Summary

Cancel



Standard Program

Package

Program Type

Standard Program

Requirements

Summary

Progress

Completion

Specify information about this standard program

Name:

DPM Agent for w/s

Command line:

staller_KB4339950_AMD64.exe /q dpm.ramlan.ca /IAcceptEula

Browse...

Startup folder:

Run:

Normal

Program can run:

Whether or not a user is logged on

Run mode:

Run with administrative rights

☐ Allow users to view and interact with the program installation

Drive mode:

Runs with UNC name

☐ Reconnect to distribution point at log on

< Previous

Next >

Summary

Cancel

Create Package and Program Wizard

Requirements

Package

Program Type

Standard Program

Requirements

Summary

Progress

Completion

Specify the requirements for this standard program

☐ Run another program first

Package:

Program:

Browse...

☐ Always run this program first

Platform requirements

☐ This program can run on any platform

☒ This program can run only on specified platforms

☐ All Windows RT

☐ All Windows RT 8.1

☐ All Windows 10 (32-bit)

☒ All Windows 10 (64-bit)

☒ All Windows 7 (64-bit)

☒ All Windows 8 (64-bit)

☒ All Windows 8.1 (64-bit)

☐ Windows Embedded 8 Industry (64-bit)

☐ Windows Embedded 8 Standard (64-bit)

☐ Windows Embedded 8.1 Industry (64-bit)

Estimated disk space: MB

Maximum allowed run time (minutes):

< Previous

Next >

Summary

Cancel

Create Package and Program Wizard

Summary

Package

Program Type

Standard Program

Requirements

Summary

Progress

Completion

Confirm the settings

Details:

General:

Name: DPM Agent

Description:

Version: 5.1.378

Publisher: Microsoft

Language: English

Source files: \\cm\Sources\Application\DPM Agent

Always obtain files from the source folder

Program Type: Standard Program

Program:

Name: DPM Agent for w/s

Command line: DPMAgentInstaller_KB4339950_AMD64.exe /q dpm.ramlan.ca /IAcceptEula

Start in:

Run: Normal

Run mode: Run with administrative rights

Program can run: Whether or not a user is logged on

Drive mode: Runs with UNC name

Requirements:

Platforms supported:

All Windows 10 (64-bit)

All Windows 7 (64-bit)

All Windows 8 (64-bit)

All Windows 8.1 (64-bit)

All Windows Server 2016 (64-bit)

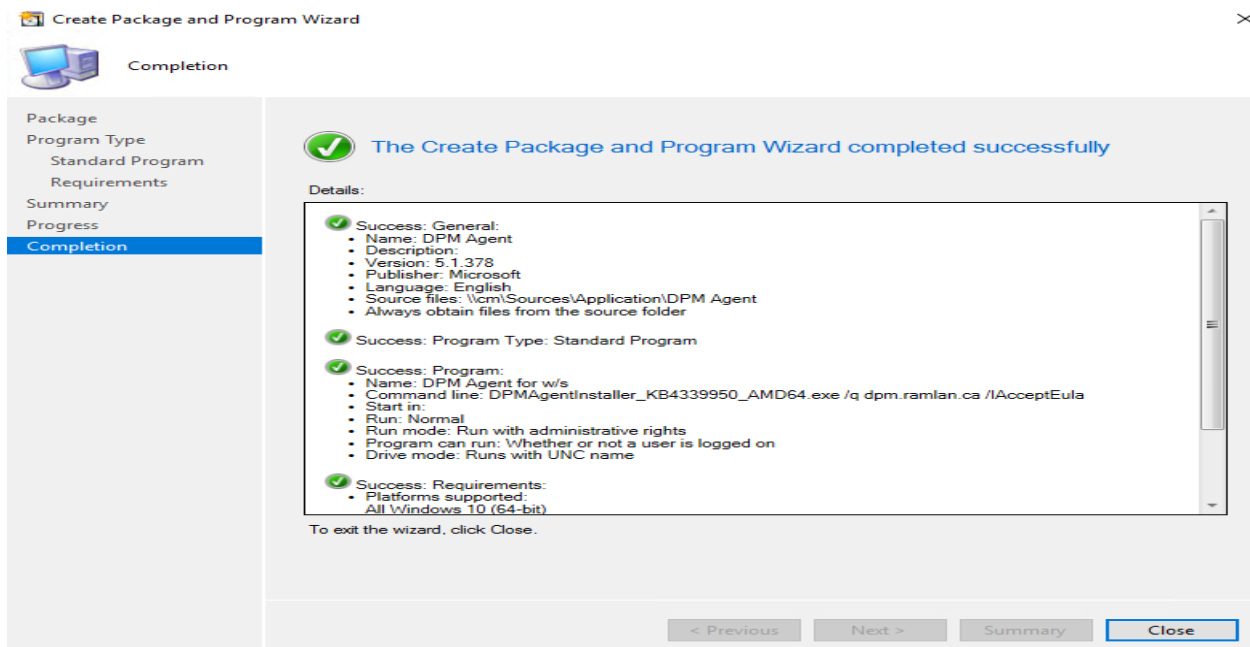
To change these settings, click Previous. To apply the settings, click Next.

< Previous

Next >

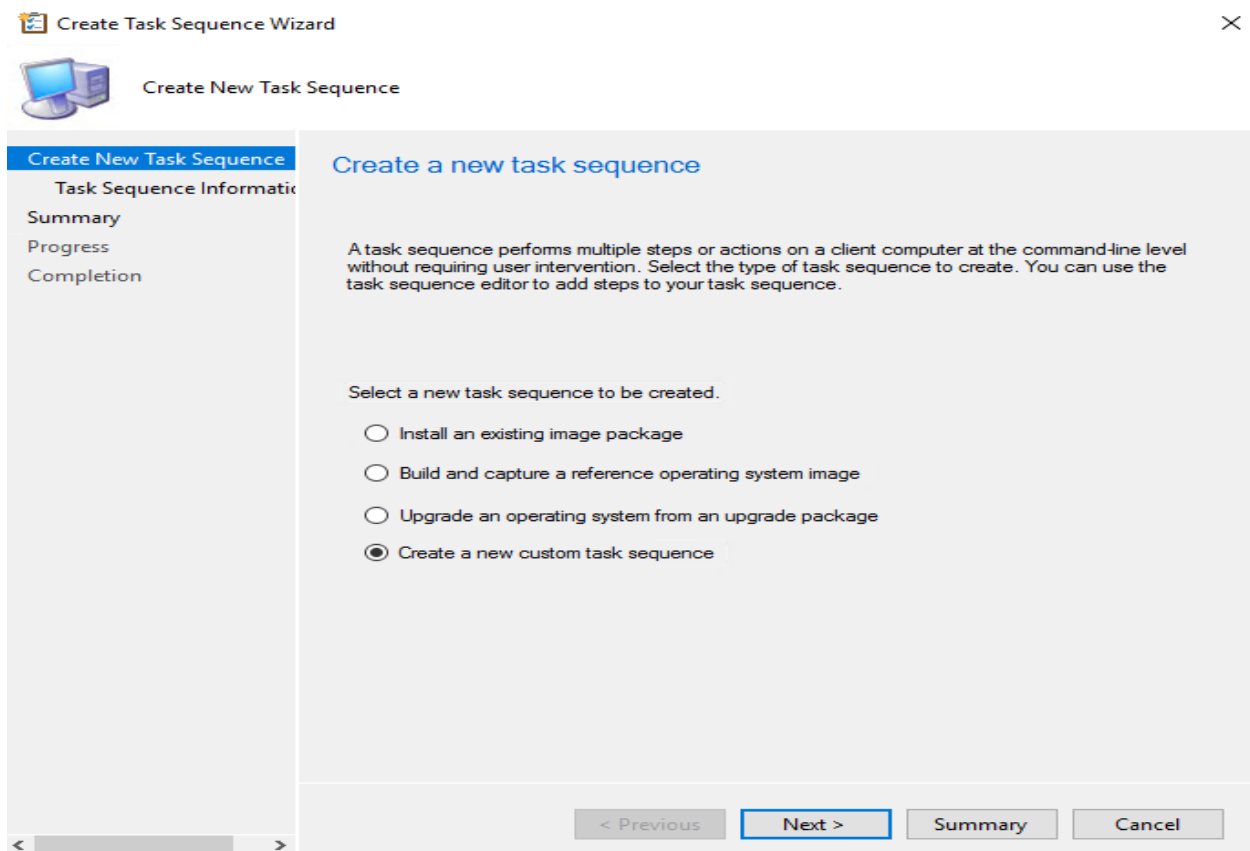
Summary

Cancel



Deploy the package to a collection and watch the install through software center.

TASK SEQUENCE CREATION FOR DEPLOYING DPM AGENT TO W/S:



Create Task Sequence Wizard

Task Sequence Information

Create New Task Sequence

Task Sequence Information

Summary

Progress

Completion

Specify task sequence information

Task sequence name: DPM Agent Install

Description:

Boot image: Boot image (x64) Browse...

< Previous Next > Summary Cancel

Create Task Sequence Wizard

Summary

Create New Task Sequence

Task Sequence Information

Summary

Progress

Completion

Confirm the settings

Details:

Verify the following task sequence details.
Create a new task sequence

- Name: DPM Agent Install
- Boot Image: Boot image (x64)

To change these settings, click Previous. To apply the settings, click Next.

< Previous Next > Summary Cancel

Create Task Sequence Wizard

Completion

Create New Task Sequence

Task Sequence Information

Summary

Progress

Completion

The Create Task Sequence Wizard completed successfully

Details:

Success: The task sequence has been created successfully.
Success: Create a new task sequence

- Name: DPM Agent Install
- Boot Image: Boot image (x64)

To exit the wizard, click Close.

< Previous Next > Summary Close

DPM Agent Install Task Sequence Editor

Add Remove [Icons]

- ✓ Configure Advanced Firewall
- ✓ Configure Advanced Firewall
- ✓ Configure Advanced Firewall
- ✓ Configure Advanced Firewall
- ✓ Install Package

Properties Options

Type: Run Command Line

Name: Configure Advanced Firewall

Description:

Command line:

```
netsh advfirewall firewall set rule group=@"FirewallAPI.dll,-29502\" new enable=yes
```

☐ Disable 64-bit file system redirection

Start in: Browse...

☐ Package: Browse...

☐ Time-out (minutes): 15

☐ Run this step as the following account

Account: Set...

OK Cancel Apply

DPM Agent Install Task Sequence Editor

Add Remove [Icons]

- ✓ Configure Advanced Firewall
- ✓ Configure Advanced Firewall
- ✓ Configure Advanced Firewall
- ✓ Configure Advanced Firewall
- ✓ Install Package

Properties Options

Type: Run Command Line

Name: Configure Advanced Firewall

Description:

Command line:

```
netsh advfirewall firewall set rule group=@"FirewallAPI.dll,-34251\" new enable=yes
```

☐ Disable 64-bit file system redirection

Start in: Browse...

☐ Package: Browse...

☐ Time-out (minutes): 15

☐ Run this step as the following account

Account: Set...

OK Cancel Apply

DPM Agent Install Task Sequence Editor

Add
Remove

- Configure Advanced Firewall
- Configure Advanced Firewall
- Configure Advanced Firewall
- Configure Advanced Firewall
- Install Package

Type:
Run Command Line

Name:
Configure Advanced Firewall

Description:

Command line:

```
netsh advfirewall firewall add rule name=dpmra dir=in program="%PROGRAMFILES%\Microsoft Data Protection Manager\DPM\bin\DPMRA.exe" profile=Any action=allow
```

☐ Disable 64-bit file system redirection

Start in:
Browse...

☐ Package:
Browse...

☐ Time-out (minutes):
15

☐ Run this step as the following account

Account:
Set...

OK
Cancel
Apply

DPM Agent Install Task Sequence Editor

Add
Remove

- Configure Advanced Firewall
- Configure Advanced Firewall
- Configure Advanced Firewall
- Configure Advanced Firewall
- Install Package

Type:
Run Command Line

Name:
Configure Advanced Firewall

Description:

Command line:

```
netsh advfirewall firewall add rule name=DPMRA_DCOM_135 dir=in action=allow protocol=TCP localport=135 profile=Any
```

☐ Disable 64-bit file system redirection

Start in:
Browse...

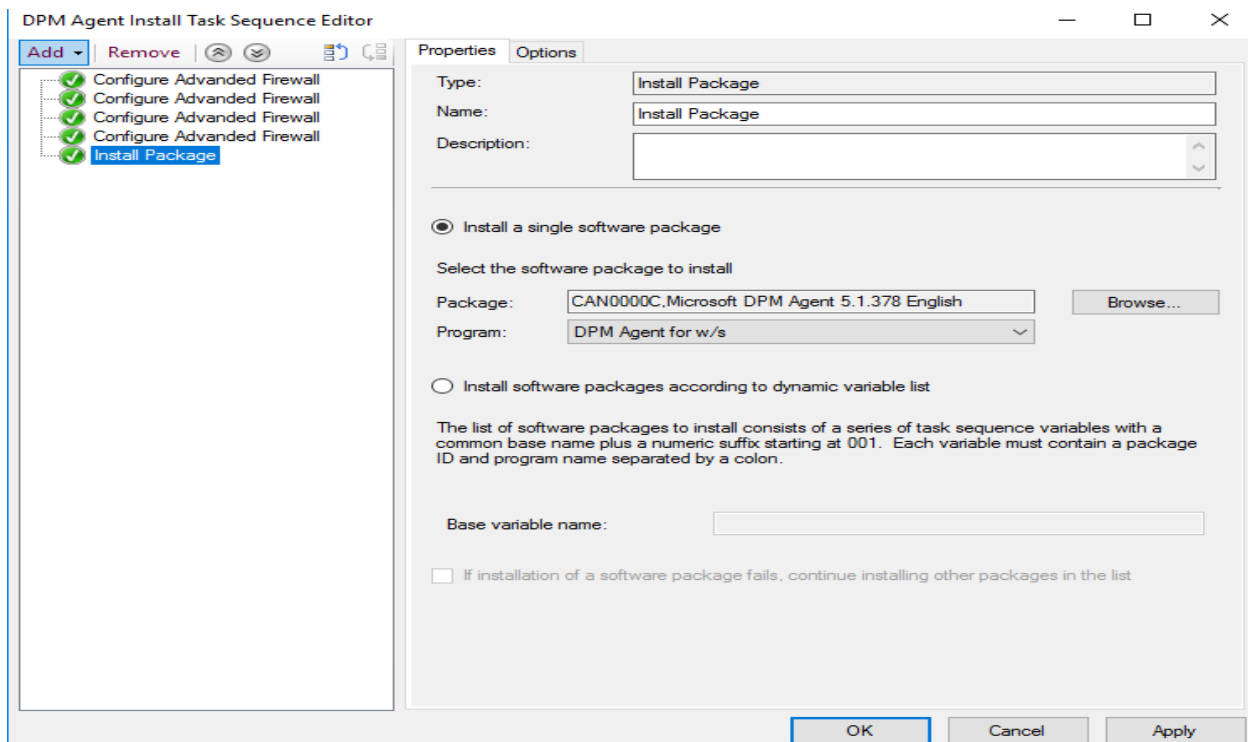
☐ Package:
Browse...

☐ Time-out (minutes):
15

☐ Run this step as the following account

Account:
Set...

OK
Cancel
Apply



Deploy the task sequence to a collection and watch for the install through software center.