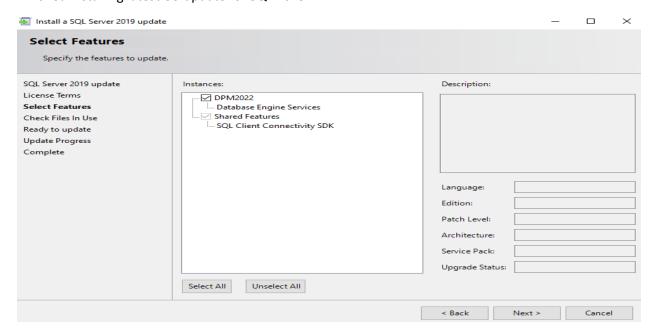
Installing and Configuring Data Protection Manager 2022 on Windows Server 2022

In this post, I am going to install DPM 2022. I have created a VM with Windows Server 2022. Installed all the updates and restarted the server.

Went ahead installing SQL 2019 using configuration.ini file. Below is the screen shot.



Finished installing latest CU update for SQL 2019.

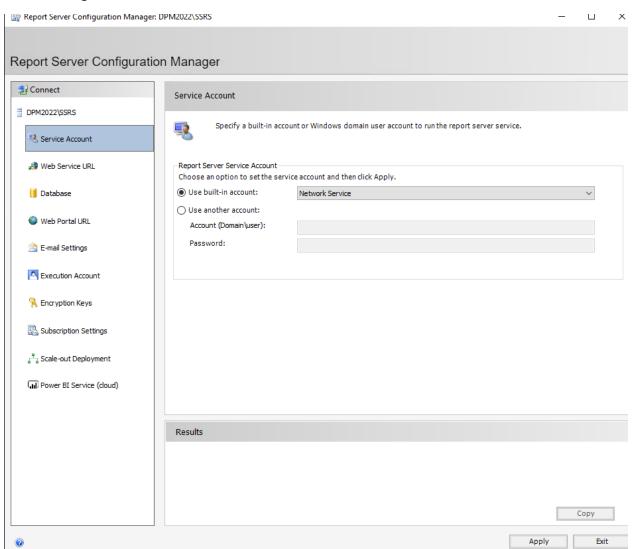


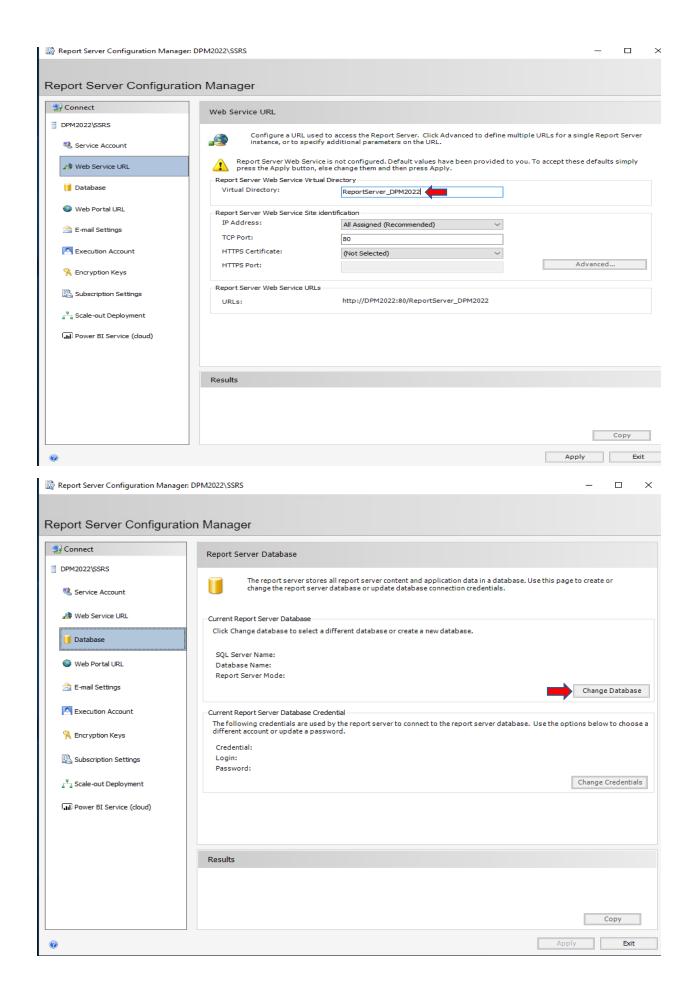
Will install SSMS and SSRS.



Microsoft SQL Server 2019 Reporting Services Welcome Install Reporting Services SQL Server Reporting Services 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 Reporting Services data processing and privacy controls, please see Privacy Statement. Learn how to opt out of collection here.

We will configure SSRS now.







Change Database

Choose whether to create or configure a report server database.

Action

Database Server

Database

Credentials

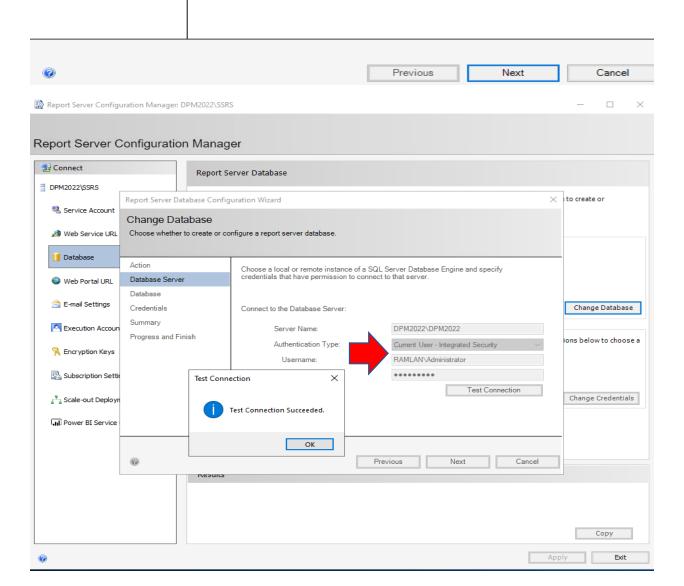
Summary

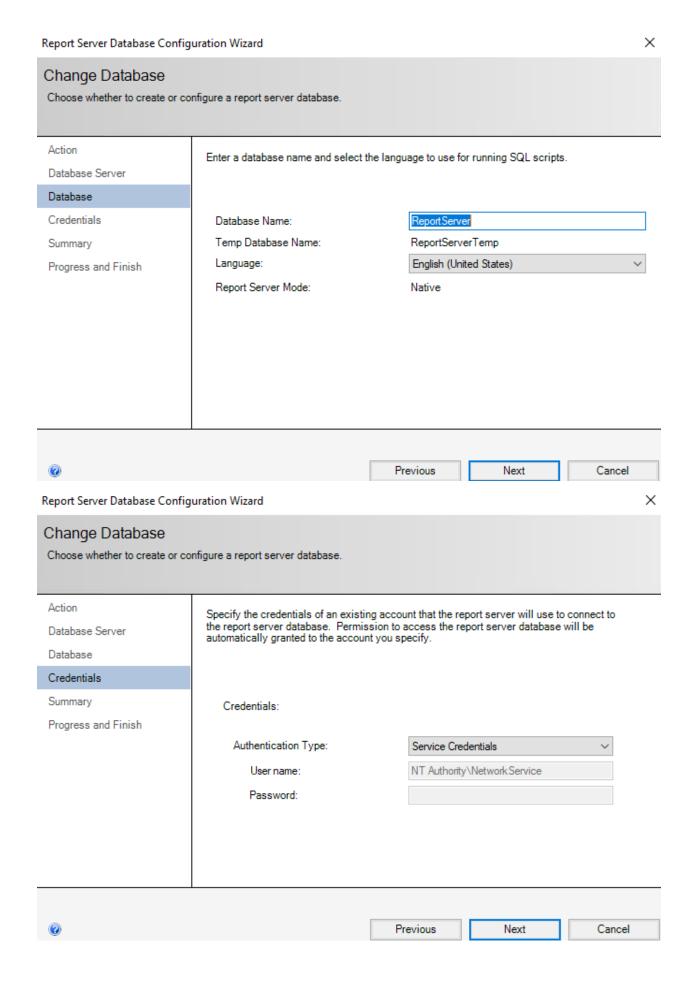
Progress and Finish

Select one of the following options to create an empty report server database or select an existing report server database that has content you want to use.

Select a task from the following list:

- Create a new report server database.
- O Choose an existing report server database.





Change Database

Choose whether to create or configure a report server database.

Action

Database Server

Database

Credentials

Summary

Progress and Finish

The following information will be used to create a new report server database. Verify this information is correct before you continue.

SQL Server Instance: DPM2022\DPM2022
Report Server Database: ReportServer

Temp Database: ReportServerTempDB

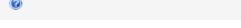
Report Server Language: English (United States)

Report Server Mode: Native

Authentication Type: Service Account

Username: NT Authority\Network Service

Password:



Previous

Next

Cancel

×

Report Server Database Configuration Wizard

Change Database

Choose whether to create or configure a report server database.

Action

Database Server

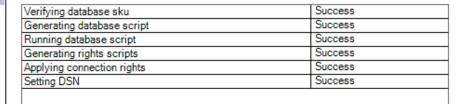
Database

Credentials

Summary

Progress and Finish

Please wait while the Report Server Database Configuration wizard configures the database. This might take several minutes to complete.

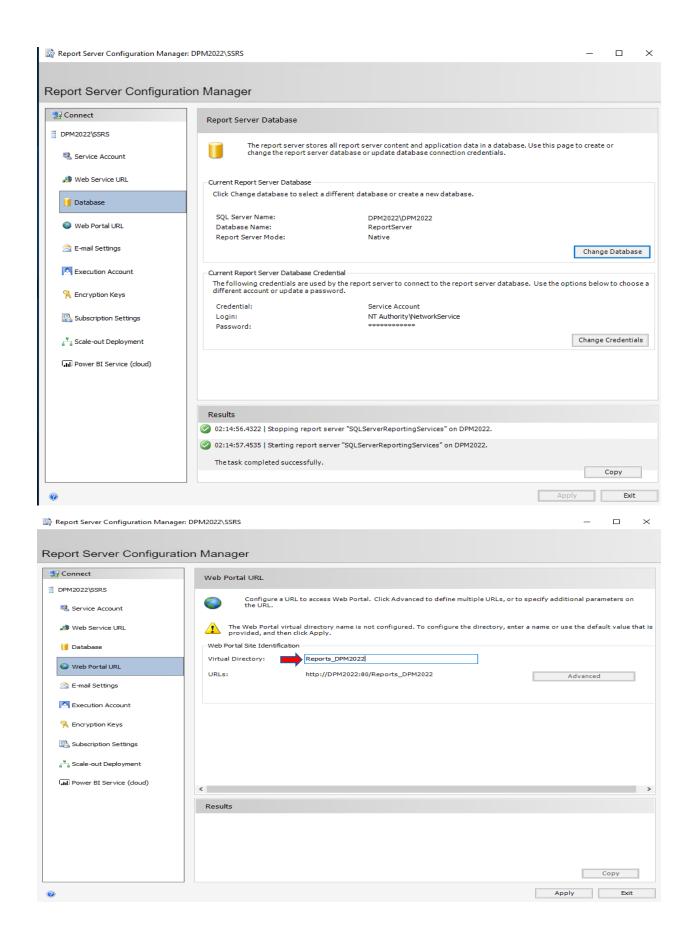


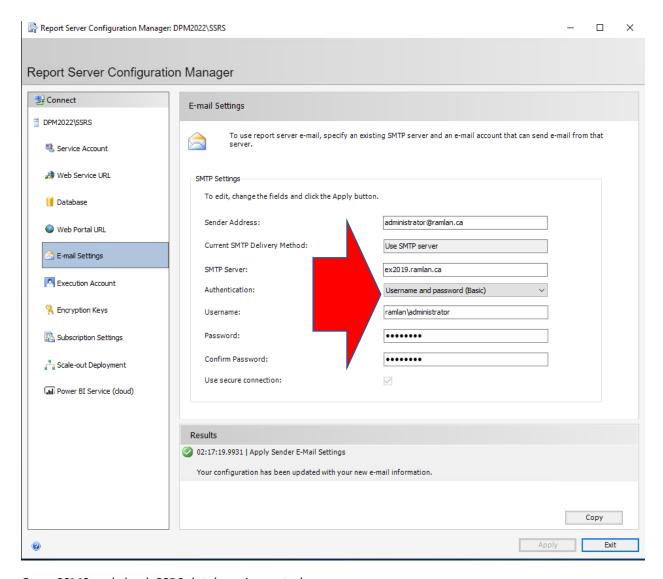


Previous

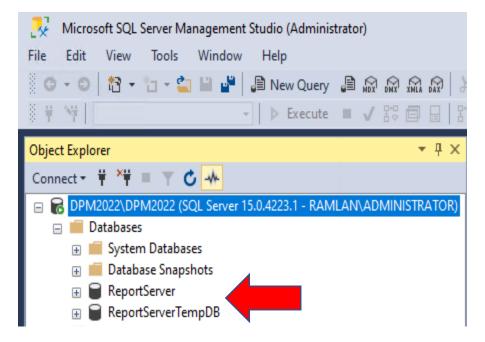
Finish

Cancel





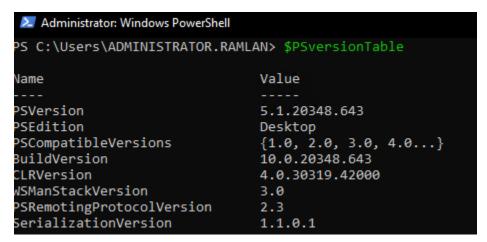
Open SSMS and check SSRS database is created.



The following prerequisites and components should be installed on the server before you install DPM:

- PowerShell 5.0 or later.
- .NET 3.5.
- SQL Server 2017.
- SQL Server Management Studio (SSMS).
- SQL Server 2017 Reporting Services (SSRS).
- Open ports 443, 1433, and 1434 in Windows Firewall.
- Ensure that a domain controller for the Active Directory domain is available.

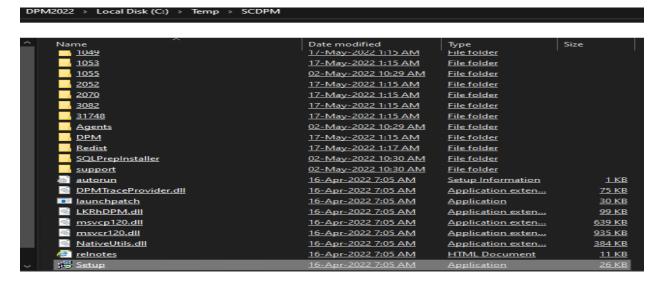
I have already installed .NET 3.5. PowerShell 5.0 is part of Windows Server 2022.



Open PowerShell as Admin and run this command.

dism.exe /Online /Enable-feature /All /FeatureName:Microsoft-Hyper-V /FeatureName:Microsoft-Hyper-V-Management-PowerShell /quiet

System will restart. Now we have completed all the Prereqs and are ready to install DPM 2022. Run setup.exe





X

System Center 2022

Data Protection Manager

Install

Data Protection Manager

DPM Central Console

DPM Protection Agent

DPM Remote Administration

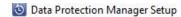
DPM Remote SQL Prep

Before you begin

View Release Notes

Prerequisites

Visit DPM Web Site





Welcome

Welcome to the Microsoft System Center 2022 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.

< Back

Next >

Cancel

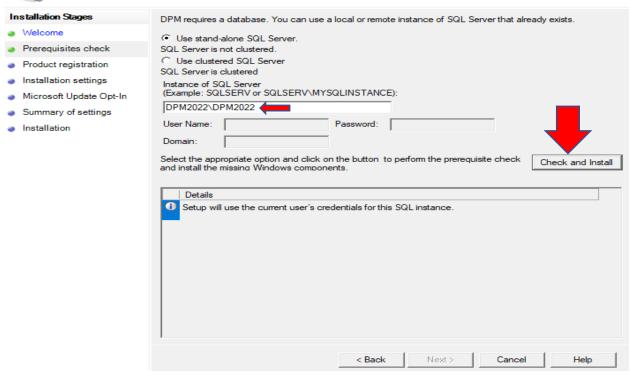
Help

 \times



Prerequisites Check

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

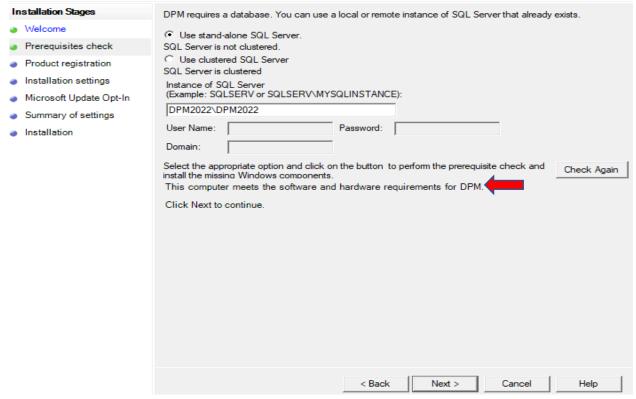






Prerequisites Check

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



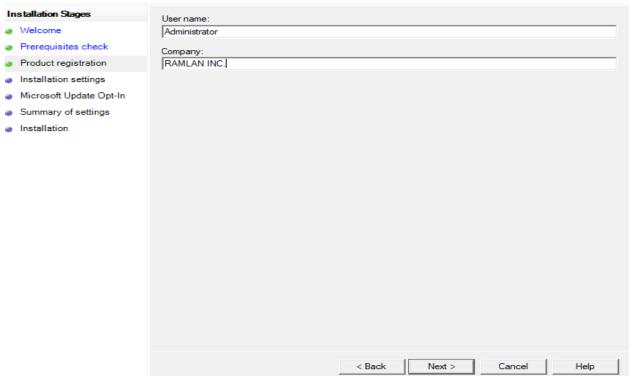
 \times

Data Protection Manager Setup



Product Registration

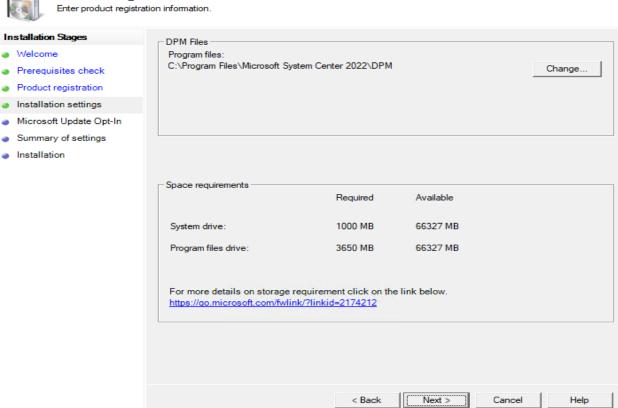
Enter product registration information.







Product Registration







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.



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



C I do not want to use Microsoft Update

See the Microsoft Update FAQ

Privacy Statement



Data Protection Manager Setup



Microsoft Update Opt-In

Installation Stages

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

User name: Administrator

Company: RAMLAN INC.

SQL Server instance: DPM2022\DPM2022

Reporting instance: DPM2022\SSRS

Program files location: C:\Program Files\Microsoft System Center 2022\DPM

< Back

Install

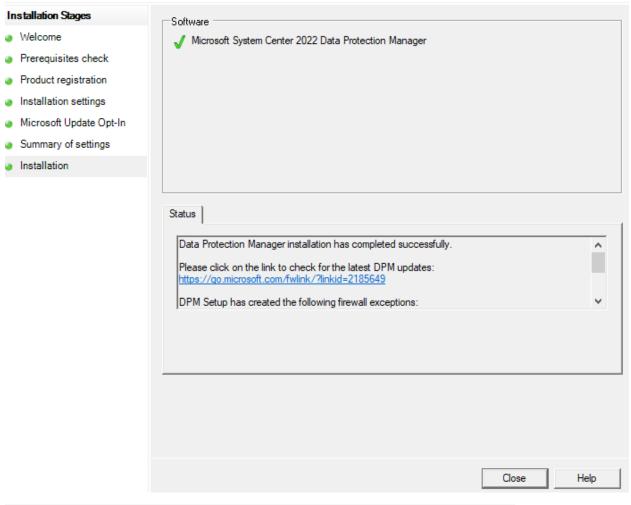
Cancel

Help

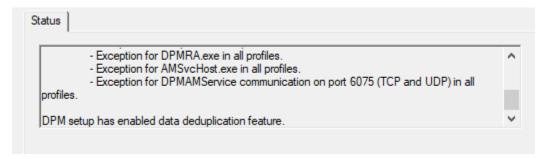


Summary of Settings

Click Install to install DPM and its prerequisite software.



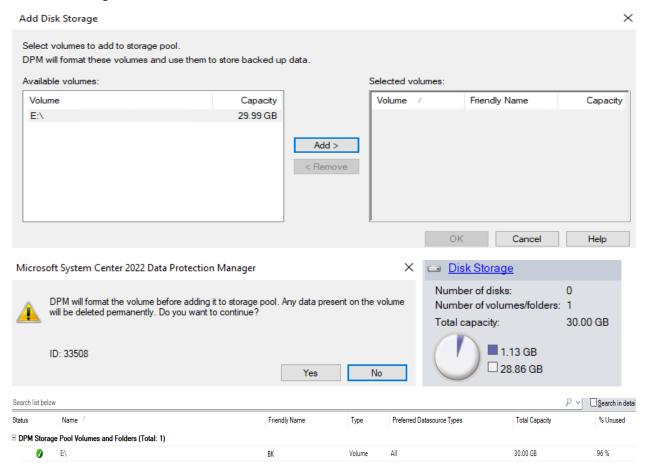






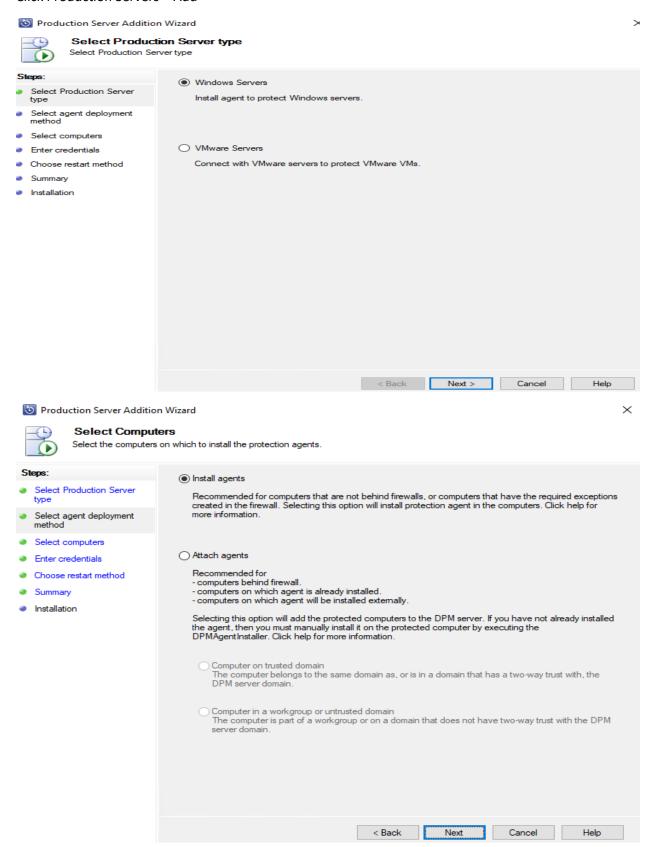
Storage pool: On this server, I have 30GB partition (E Drive) reserved for backup. I will use this as storage pool for testing.

Click Disk Storage - Add



Production Servers: For this test, I will add EX2019.RAMLAN.CA

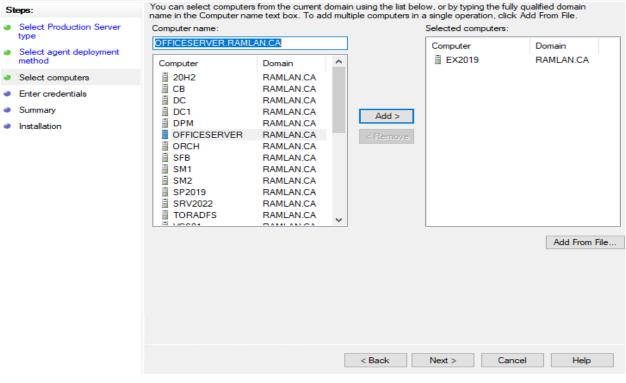
Click Production Servers - Add





Select Computers

Select computers to attach to DPM Server



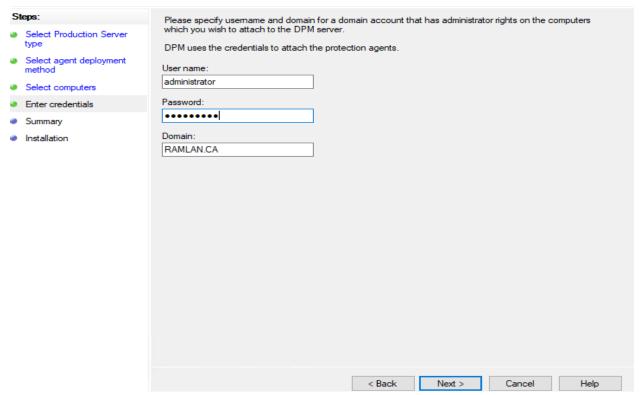
To Production Server Addition Wizard





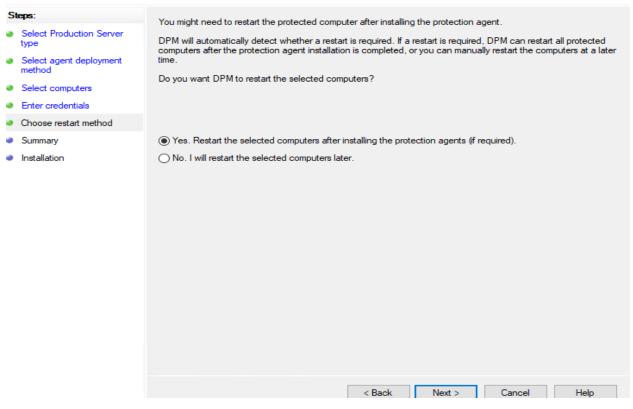
Enter Credentials

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





Choose Restart Method



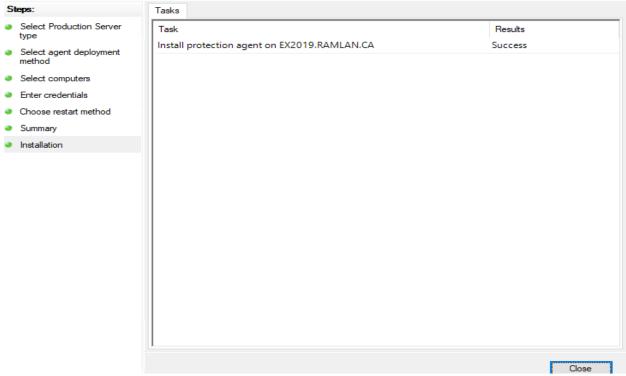
Troduction Server Addition Wizard





Installation

You have successfully installed the agent on the selected servers.



☐ Unprotected computers with protection agent: (1 Computer)

Windows Server

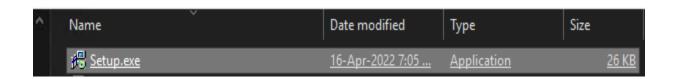
■ EX2019

RAMLAN.CA

OK

You can also install the agent manually on the remote machine by running setup.exe from DPM folder.

EX2019 > WD1 (\\DC) (Z:) > Trekstor Backup Jul 2017 > System Center 2022 > SCDPM >



System Center 2022

Data Protection Manager

Install

Data Protection Manager

DPM Central Console

DPM Protection Agent

DPM Remote Administration

DPM Remote SQL Prep

Before you begin

View Release Notes

Prerequisites

Visit DPM Web Site

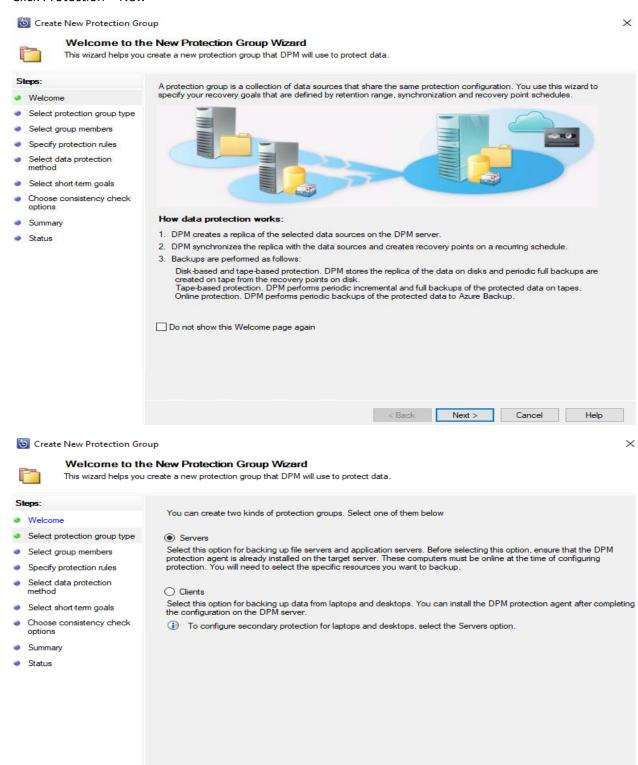
c:\6d1625b709c38eb7a42e5d5237b3\installagent.exe

Agent installation completed successfully Press Enter key to close the window_

Organize ▼				
Name	Publisher	Installed On	Size	Version
Microsoft System Center DPM Protection Agent	Microsoft Corporation	17-May-2022	143 MB	10.22.125.0

Protection group:

Click Protection - New



< Back

Next >

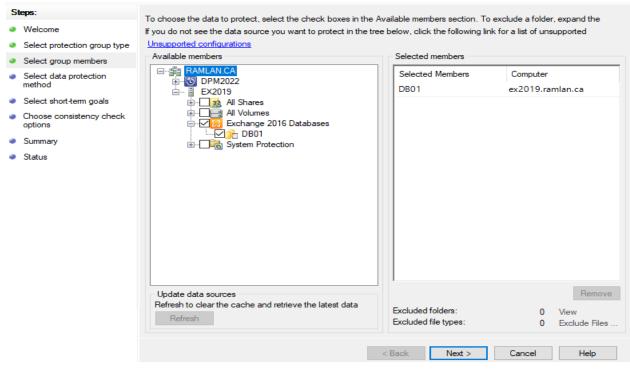
Cancel

Help



Select Group Members.

Select the data that you want to protect.



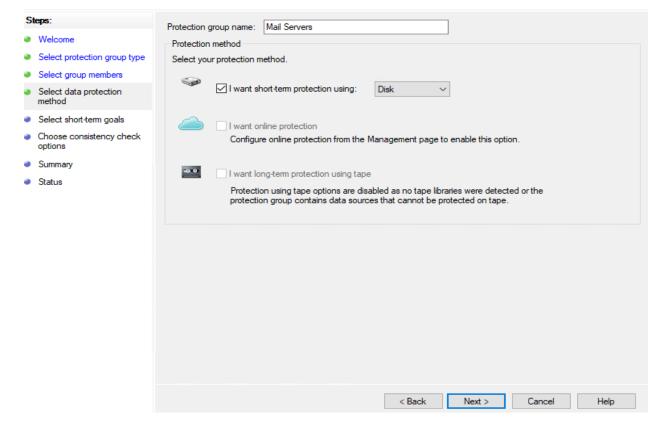






Select Data Protection Method

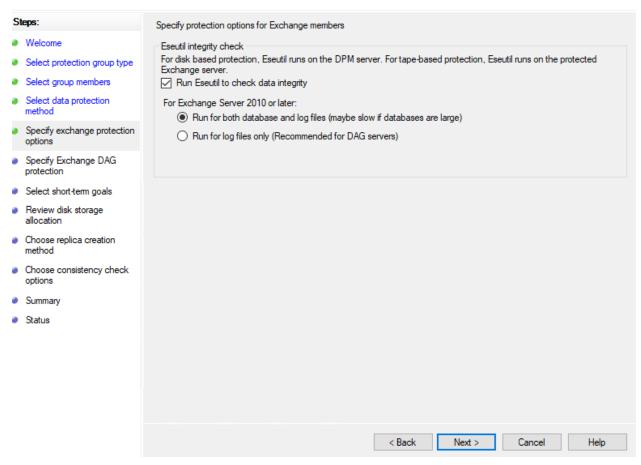
DPM can help provide disk, online and tape based data protection.





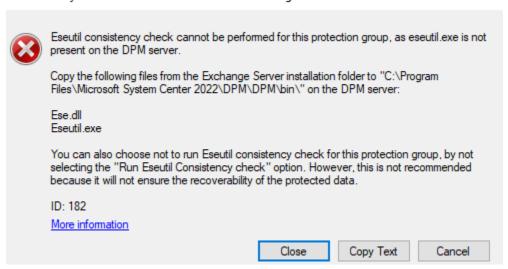


Specify Exchange Protection Options



×

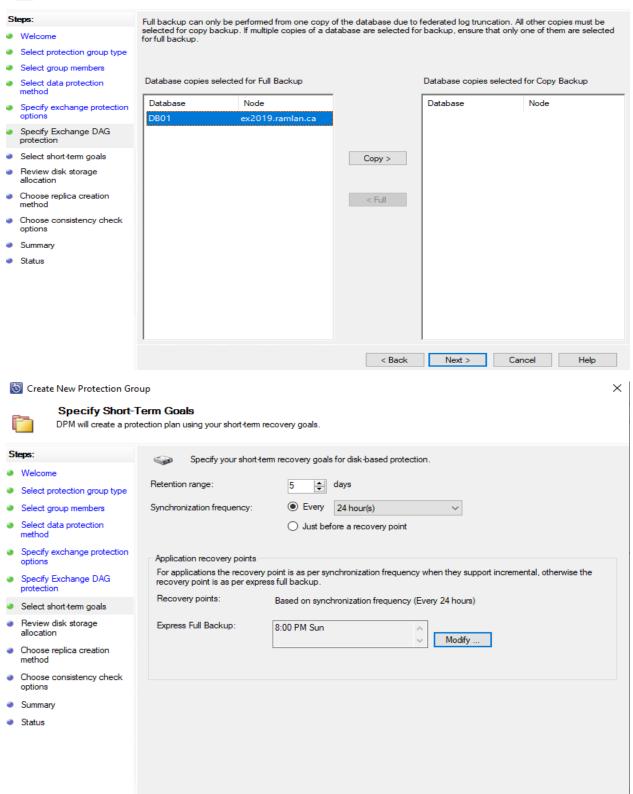
Microsoft System Center 2022 Data Protection Manager



Copy above files from Exchange Server to DPM Server.



Specify Exchange DAG Protection



< Back

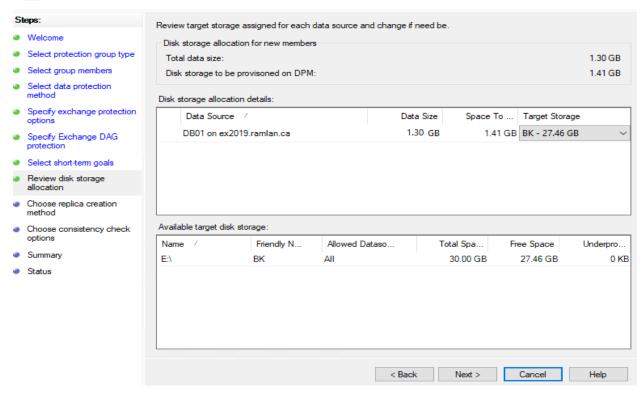
Next >

Cancel

Specify Short-Term Goals



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



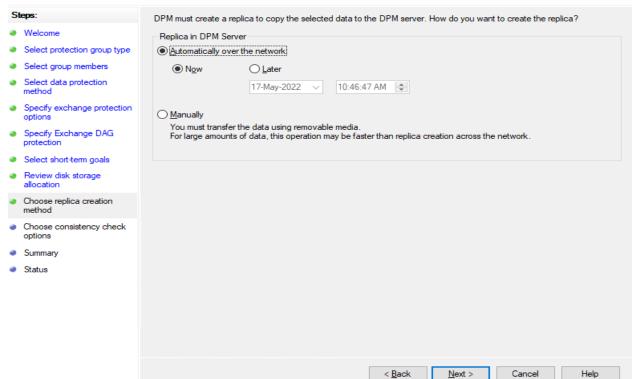






Choose Replica Creation Method

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

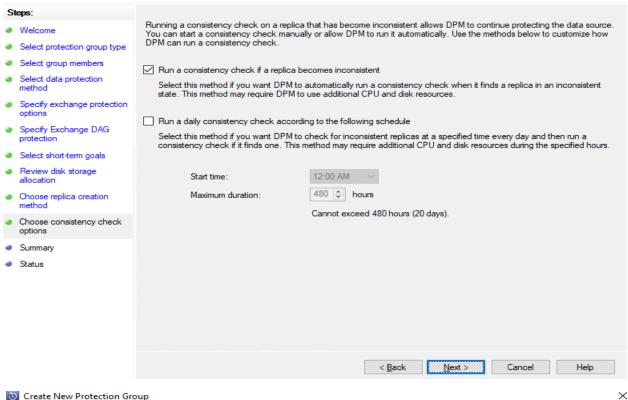


Create New Protection Group



Choose Replica Creation Method

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

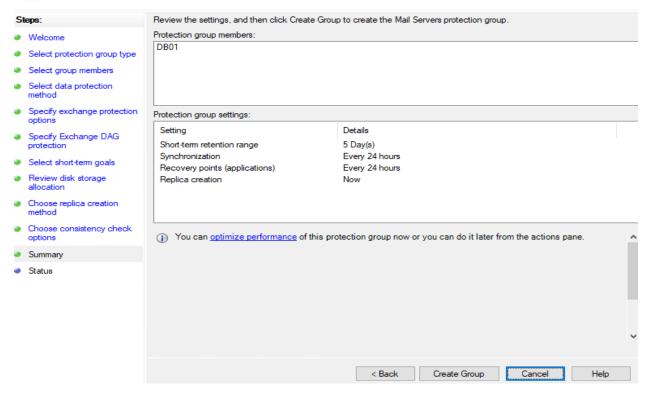






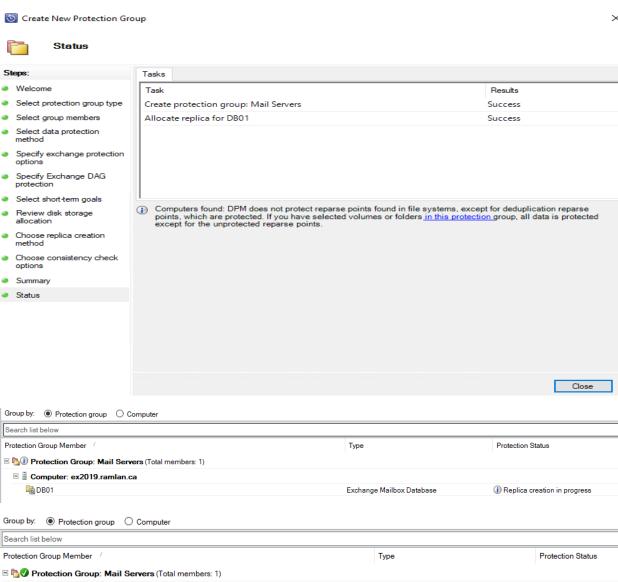
Summary

DPM is ready to create the Mail Servers protection group.



⊘ OK

Exchange Mailbox Database

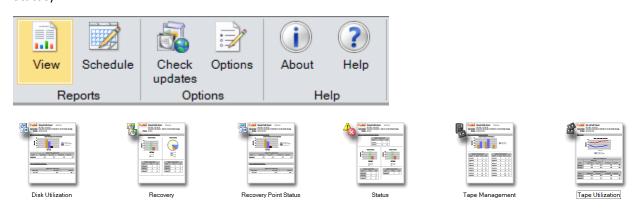


Monitoring:

₹0B01

∃ ☐ Computer: ex2019.ramlan.ca

Here we have few reports that are available. I tried a few (Status, Tape Management, Recovery Point Status)



Data Protection Manager

System Center

Recovery Point Status report

DPM Server: DPM2022.RAMLAN.CA

Time Period: 5/16/2022 10:00 AM to 5/17/2022 10:00 AM

Date of Report: 5/17/2022 10:54:19 AM

Report Description:

Displays the recovery point status of all selected data sources. The report will show "A" (Available) if at least one good recovery point is available for the specified recovery point window. An empty cell indicates that no recovery points are available in that time window.

Data Protection Manager

System Center

Status Report

DPM Server: dpm2022.ramlan.ca

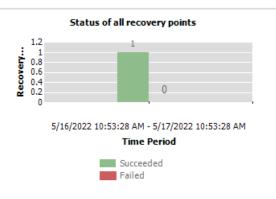
Weekly Report | Time Period: 5/16/2022 10:53:28 AM to 5/17/2022 10:53:28 AM

Date of Report: 5/17/2022

Report Provides status of all recovery points for a specified time period, lists recovery jobs, and shows the Description: 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

Status Report

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



Recovery Point Creations		
	Successful	Failed
Total	1	0
On Disk	1	0
On Tape	0	0

Status of all recoveries

No Recovery job ran during this period

Recoveries		
	Successful	Failed
Total	0	0

System Center

Tape Management Report

DPM Server: dpm2022.ramlan.ca

Next 1 Week Report | 5/17/2022 to 5/24/2022

Date of Report: 5/17/2022

Report Provides details for managing tape rotation. This report lists all libraries that are below the free media **Description:** threshold. The data is collected per library and aggregated for all libraries.

Tape Management Report

Tapes ready for offsite: 0 Tapes due online in the next 1 week: 0

Libraries below free tape threshold: 0 Over due tapes: 0

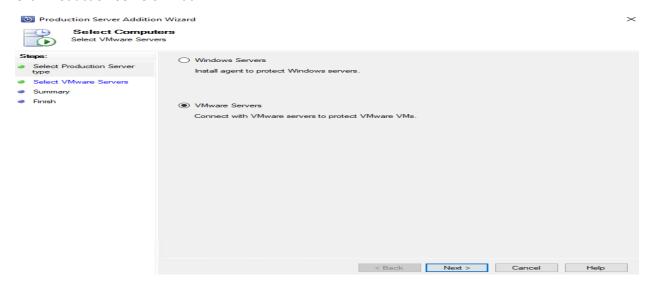
Details

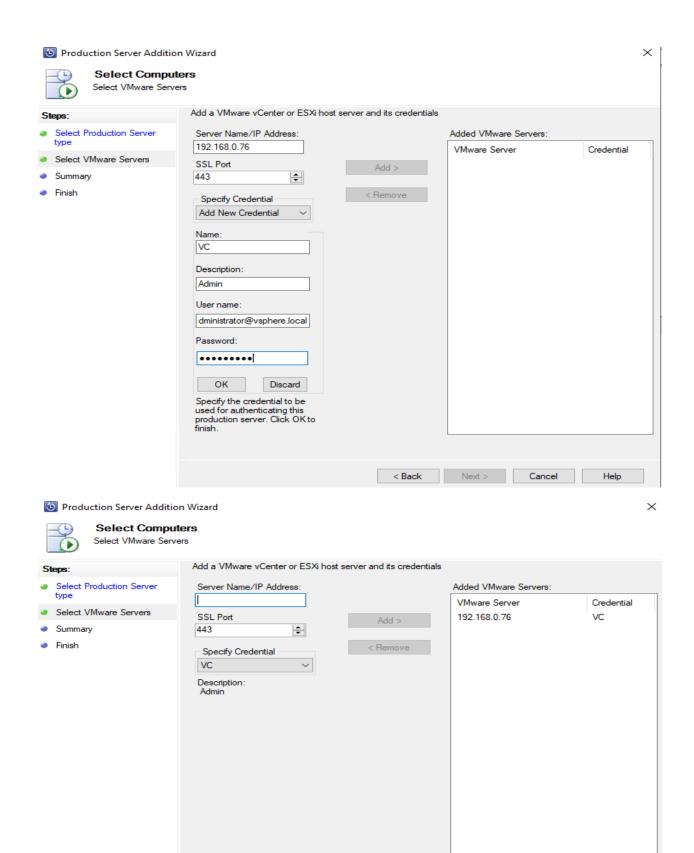
Tapes ready for offsite: 0				
Slot	Tape Label	Tape Barcode	Protection Group	Date Due

Libraries below free tape threshold: 0			
Library:	Free Tape Threshold	Free Tapes Available	

Protecting VMWare Servers:

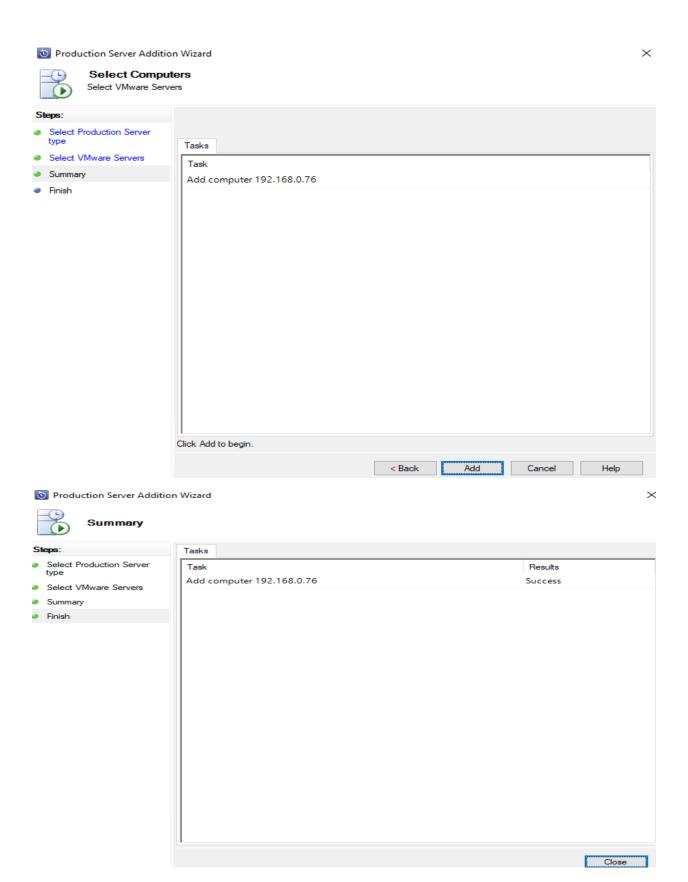
Click Production Servers - Add





Next >

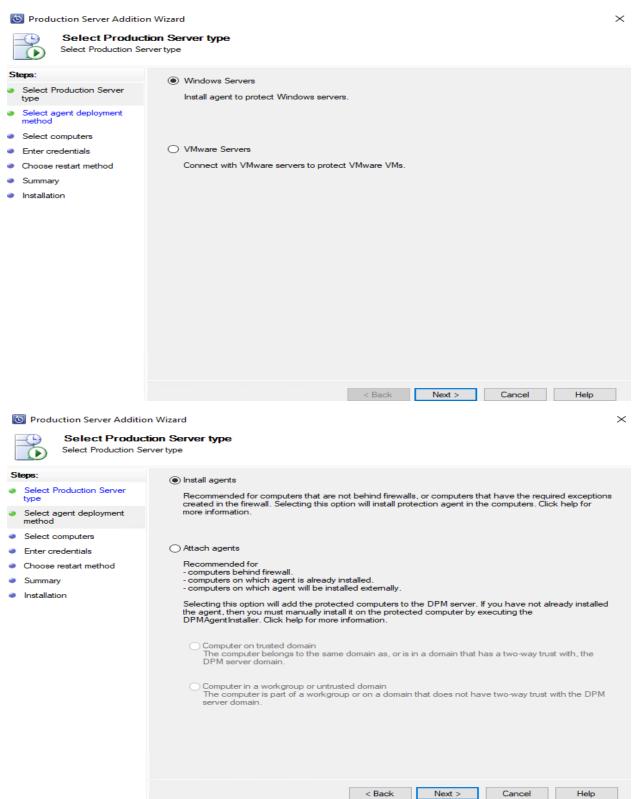
Cancel



It did not work. The vCenter or ESXi host were not added. I tried many fixes (Reg, Certificate and other) Yet none of them worked to add vCenter or ESXi host within DPM Server. Will have to investigate more later.

<u>Client Machine Backup:</u> If you want to backup white glove executive's data (Documents, Downloads, Pictures, Music, Video) to DPM server, we have to create Protection Group. Before that we have to install DPM Agents on those workstations. In my example it will be WS-W10 and WS-W11.

Management - Production Servers - Add





Select Production Server

Select agent deployment

Steps:

type

method

Summary

Installation

Select computers

Enter credentials

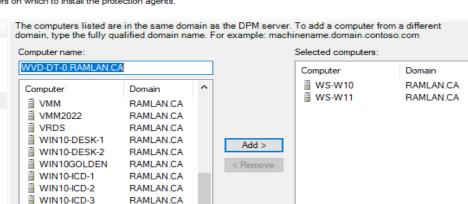
Choose restart method

WIN10-ICD-4

■ WIN10-ICD-5

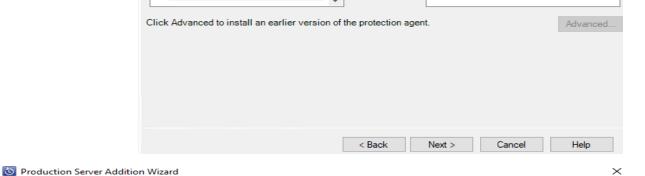
WVD-DT-0

🛚 WIN11



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 \times

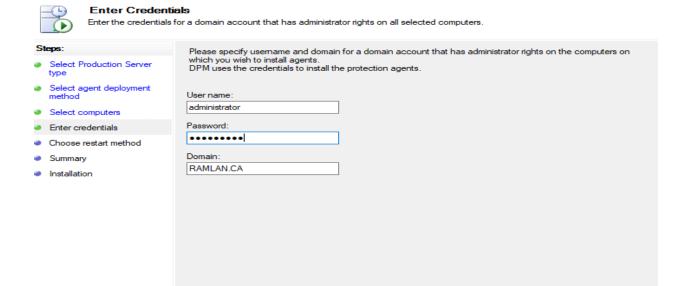


RAMLAN.CA

RAMLAN.CA

RAMLAN.CA

RAMLAN.CA

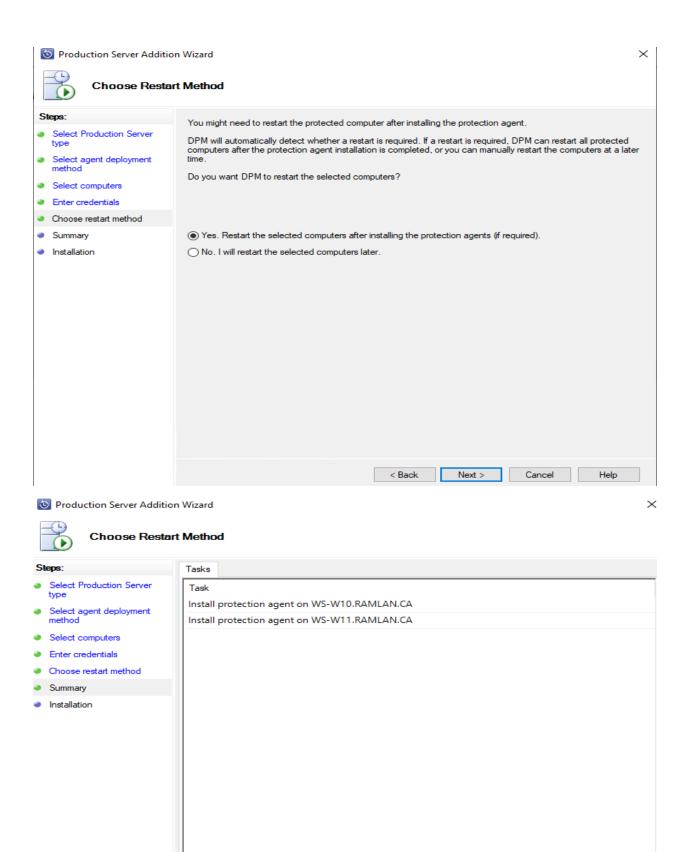


Next >

< Back

Cancel

Help



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

< Back

Install

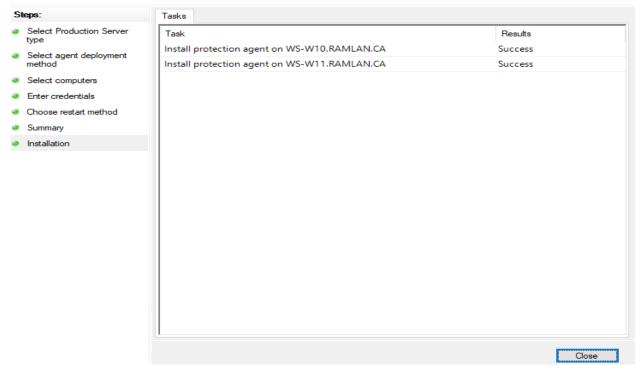
Cancel

Help



Installation

You have successfully installed the agent on the selected servers.



☐ Unprotected computers with protection agent: (2 Computers)

₩S-W10	Windows Server -	RAMLAN.CA	OK
WS-W11	Windows Server -	RAMLAN.CA	OK

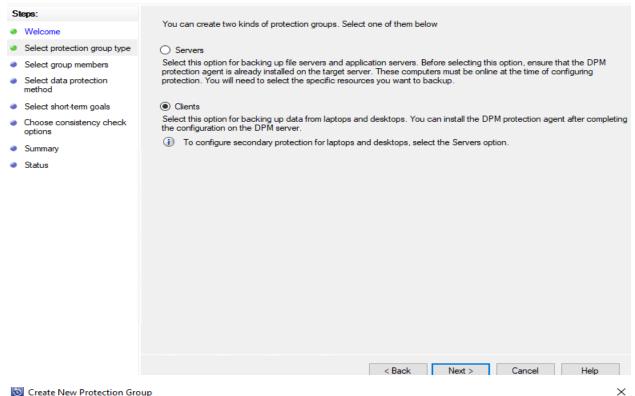
Protection Group: Go to Protection - New

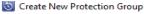




Select Protection Group Type

Select what kind of computers you would like to setup protection for

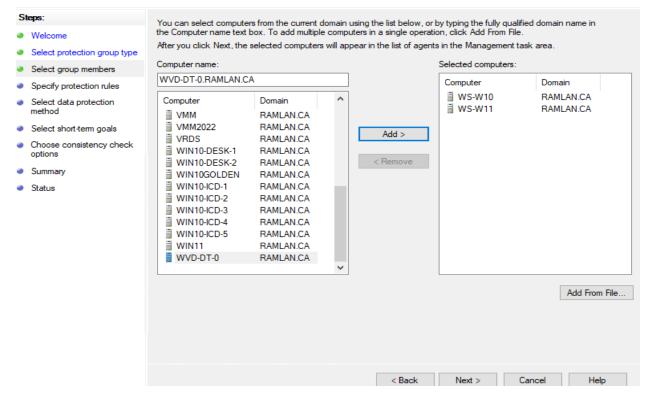


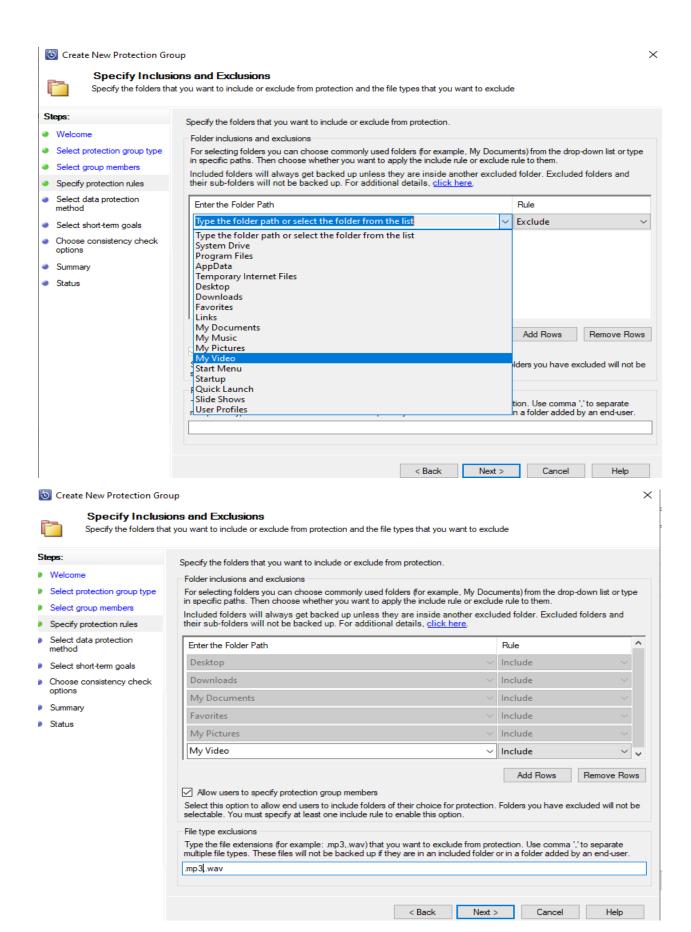




Select Group Members

Select the computers that you want to protect.





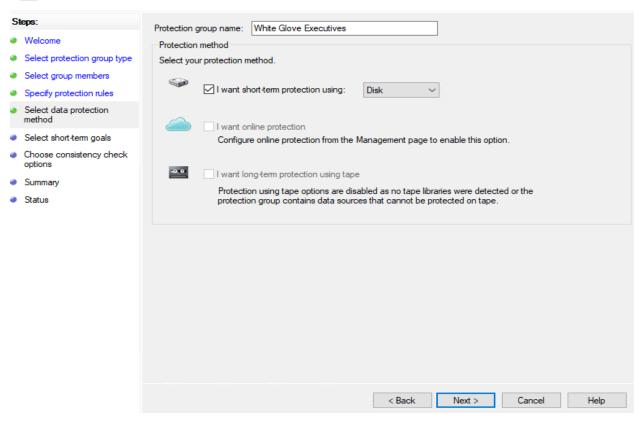
×

×



Select Data Protection Method

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

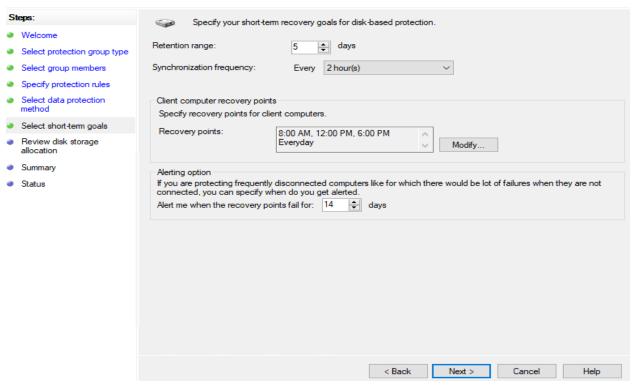




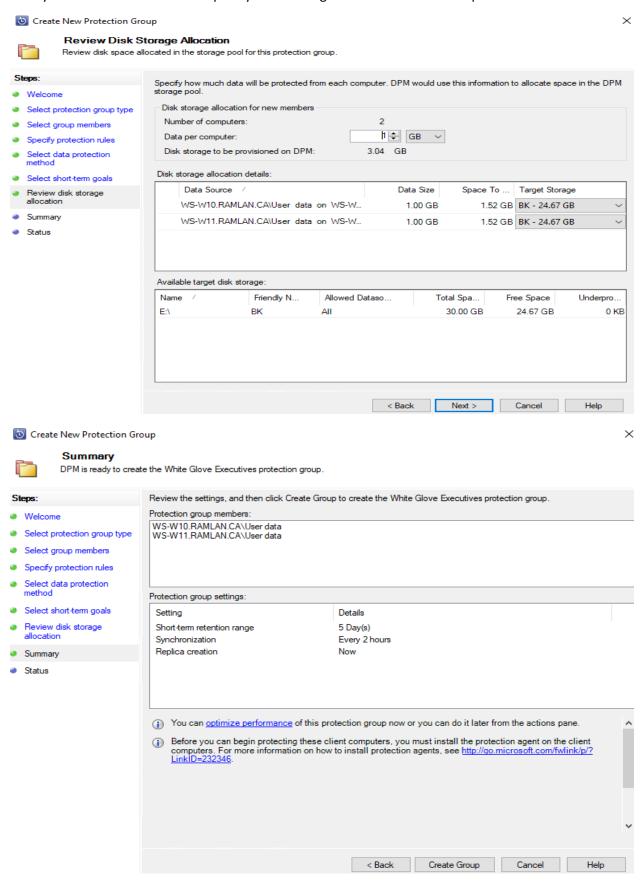


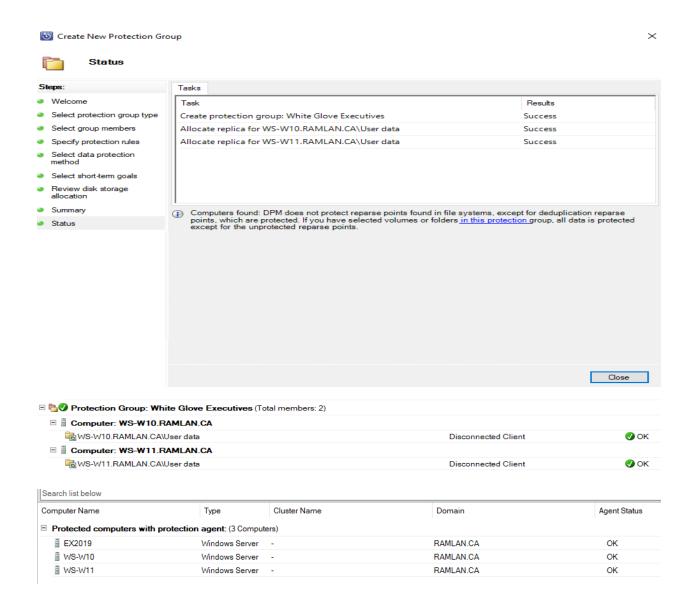
Specify Short-Term Goals

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



Here you can allocate how much space you want to give DPM server to backup the data.





With this we have completed most of the configuration for DPM2022.

Thanks

Ram

17th May 2022