

Windows Server Core OS

Last updated by | Mohamad Damati | Dec 23, 2020 at 3:14 PM GMT+3

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Introduction

This guide will take you through the steps of deploying and configuring Enterprise Dashboards for Windows Servers

Getting Started

There are actions must be done before create and deploy System Center Enterprise Dashboard and steps you must take to properly deploy it.

Prerequisites

Before you start you must make sure you have the following prerequisites:

1. Power BI Reporting Service
2. Operations Manager 2012 R2, 2016 or 2019
3. Operations Manager Environment is healthy and does not suffer from performance issues.
4. Service Account to access databases

Windows Server Core OS Enterprise Dashboard Deployment

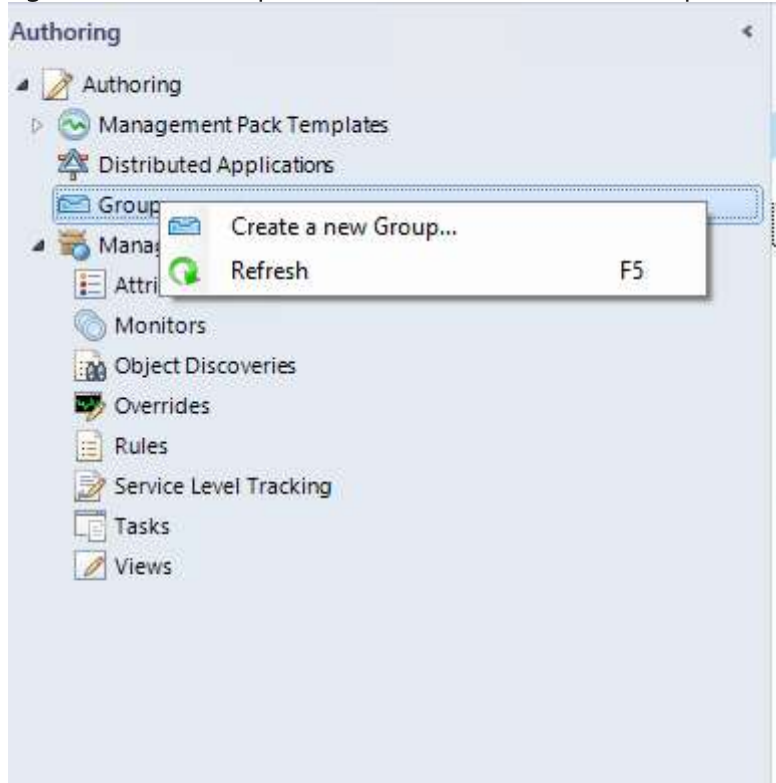
Use the following steps to deploy the Windows Servers Core OS Dashboards.

Step 1: Create Dashboard Group

Enterprise Dashboards scope is defined based on Operations Manager Group for each workload, for Windows Server Core OS Dashboard the scope group name is **Windows Dashboard Group**.

1. Open SCOM Console, browse to Authoring --> Groups

2. right Click on Groups and select Create a new Group



3. In Create Group Wizard, Type Group name "**Windows Dashboard Group**" and in Management Pack destination, click on **New**

Create Group Wizard

Enter a name and description for the new group.

General Properties

Explicit Members

Dynamic Members

Subgroups

Excluded Members

Help

Enter a friendly name and description

Name:

Windows Dashboard Group

Description:

Management pack

Select destination management pack:

<Select Management Pack>

New...

< Previous

Next >

Create

Cancel

4. Create New management pack to save this group. click **Next** and in Knowledge Page click **Create**

The screenshot shows a 'Create a Management Pack' dialog box with a 'General Properties' tab selected. The dialog has a sidebar on the left with 'General Properties' and 'Knowledge' options. The main area is titled 'Management Pack General Properties' and contains the following fields:

- ID :** A text box containing 'SC.Enterprise.Dashboards.Windows.Dashboard.Group'.
- Name :** A text box containing 'SC Enterprise Dashboards - Windows Dashboard Group'.
- Version :** A text box containing '1.0.0.0' with a hint 'For example, 1.0.0.0'.
- Description :** A large empty text area.

At the bottom right, there are four buttons: '< Previous', 'Next >' (highlighted with a blue border), 'Create', and 'Cancel'. A 'Help' icon is located in the top right corner of the main area.

5. Verify Dashboard name and click **Next**

Create Group Wizard

Enter a name and description for the new group.

General Properties

- Explicit Members
- Dynamic Members
- Subgroups
- Excluded Members

Enter a friendly name and description

Name:
Windows Dashboard Group

Description:

Management pack

Select destination management pack:
SC Enterprise Dashboards - Windows Dashboard Group

< Previous **Next >** Create Cancel

6. On Explicit Members page, Click **Next**

The screenshot shows the 'Create Group Wizard' window with the 'Explicit Members' tab selected. The window title is 'Create Group Wizard'. The main heading is 'Choose Members from a List'. The left sidebar contains the following options: 'General Properties', 'Explicit Members' (selected), 'Dynamic Members', 'Subgroups', and 'Excluded Members'. The main area is titled 'Explicit Group Members (optional)' and contains the instruction 'Choose specific objects that will be members of this group.' Below this is a button labeled 'Add/Remove Objects...'. A table titled 'Group members:' is present, with columns 'Name', 'Path', and 'Full Name'. The table is currently empty. At the bottom right, there are four buttons: '< Previous', 'Next >', 'Create', and 'Cancel'. A 'Help' icon is located in the top right corner of the main area.

Create Group Wizard

Choose Members from a List

General Properties
Explicit Members
Dynamic Members
Subgroups
Excluded Members

Help

Explicit Group Members (optional)

Choose specific objects that will be members of this group.

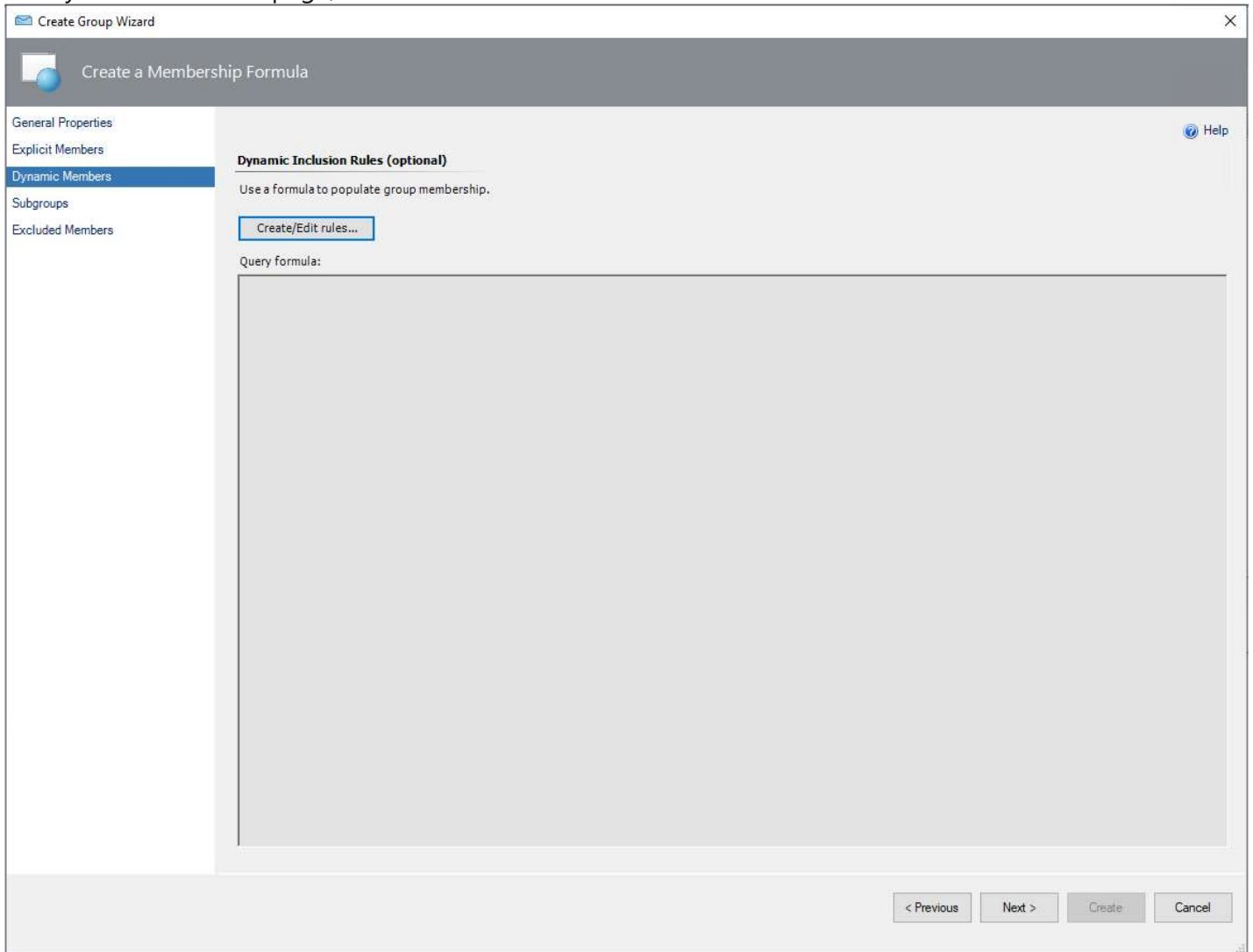
Add/Remove Objects...

Group members:

Name	Path	Full Name
------	------	-----------

< Previous Next > Create Cancel

7. On Dynamic Members page, Click on **Create/Edit rules**




8. Add Following Classes by selecting **class name** and then **Insert**
- a. Windows Server + condition Is Virtual Node Does not equal 1
 - b. Windows Server Operating System
 - c. Logical Disk (Server)
 - d. Network Adapter (Server)
 - e. Health Service
- Then Click **Ok**

Create Group Wizard - Query Builder

Select the desired Class and click the Add button to begin building the formula:

Network Adapter (Server) Add

+ Insert ▾ Delete ✕ Formula 

	Property	Operator	Value
[-] OR group (any of these is true)			
[-] AND group for Windows Server (all of these are true)			
	Is Virtual Node	Does not equal	1
[-] AND group for Windows Server Operating System (all of these are true)			
[-] AND group for Health Service (all of these are true)			
[-] AND group for Logical Disk (Server) (all of these are true)			
[-] AND group for Network Adapter (Server) (all of these are true)			
▶			

OK Cancel

8- Check Query formula written and click **Ok**

Windows Dashboard Group Properties

General | Explicit Members | **Dynamic Members** | Subgroups | Excluded Members | Product Knowledge | Overrides

Dynamic Inclusion Rules (optional)

Use a formula to populate group membership.

Create/Edit rules...

Query formula:

```
(( Object is Windows Server AND ( Is Virtual Node Does not equal 1 ) AND True ) OR ( Object is Windows Server Operating System AND True ) OR ( Object is Health Service AND True ) OR ( Object is Logical Disk (Server) AND True ) OR ( Object is Network Adapter (Server) AND True ))
```

OK Cancel Apply

9- Find the Group created, right click on it and select **View Group Members**

Authoring

- Management Pack Templates
 - Distributed Applications
 - Groups
- Management Pack Objects
 - Attributes
 - Monitors
 - Object Discoveries
 - Overrides
 - Rules
 - Service Level Tracking
 - Tasks
 - Views

Groups (6)

Look for: Find Now Clear

Name	Sub-groups
AD Dashboard Group	0
EX Dashboard Group	0
OpsMgr Dashboard Group	2
Data Warehouse Database	0
Operations Database	0
PKI Dashboard Group	0
SQL Dashboard Group	0
Windows Dashboard Group	0

Context menu for Windows Dashboard Group:

- Create a new group...
- Properties
- View Group Members...
- View Group State...
- View Diagram...
- Delete Del
- Refresh F5

10- Confirm Group members includes all objects that were mentioned in dynamic rules.

Managed Objects (89)

Name	Health State	Path	Types
DamatiNTW.DamatiMan.com	Healthy		Windows Server 2016 Computer (Full); Lightweight Windows 2...
DamatiACS.DamatiMan.com	Healthy		Windows Server 2016 Computer (Full); Lightweight Windows 2...
DamatiDash.DamatiMan.com	Healthy		Windows Server 2016 Computer (Full); Lightweight Windows 2...
DamatiSMSQL.DamatiMan.com	Healthy		Windows Server 2016 Computer (Full); Lightweight Windows 2...
DamatiAD.DamatiMan.com	Critical		Windows Server 2016 Computer (Full); Lightweight Windows 2...
DamatiCM.DamatiMan.com	Critical		Windows Server 2016 Computer (Full); Lightweight Windows 2...
DamatiHyperV2.DamatiMan.com	Critical		Windows Server 2016 Computer (Full); Lightweight Windows 2...
DamatiHyperV3.DamatiMan.com	Healthy		Windows Server 2016 Computer (Full); Lightweight Windows 2...
DamatiPBI.DamatiMan.com	Healthy		Windows Server 2016 Computer (Full); Lightweight Windows 2...
DamatiBackup.DamatiMan.com	Healthy		Windows Server 2016 Computer (Full); Lightweight Windows 2...
DamatiSQL.DamatiMan.com	Healthy		Windows Server 2016 Computer (Full); Lightweight Windows 2...
DamatiOrch.DamatiMan.com	Critical		Windows Server 2016 Computer (Full); Lightweight Windows 2...
damati-azure-ad.damatiMan.com	Not monito...		Windows Domain Controller
DamatiAD2.DamatiMan.com	Warning		Windows Server 2016 Computer (Full); Lightweight Windows 2...
DamatiHyperV.DamatiMan.com	Warning		Windows Server 2016 Computer (Full); Lightweight Windows 2...
DamatiODA.DamatiMan.com	Healthy		Windows Server 2016 Computer (Full); Lightweight Windows 2...
DamatiIOM.DamatiMan.com	Warning		Windows Server 2016 Computer (Full); Lightweight Windows 2...
Microsoft Windows Server 2016 Standard	Healthy	DamatiACS.DamatiMan.com	Windows Server 2016 Operating System (Full)
DamatiACS.DamatiMan.com	Healthy	DamatiACS.DamatiMan.com	Data Warehouse Connection Server; Collection Server
Ethernet	Healthy	DamatiACS.DamatiMan.com	Windows Server 2016 and 1709+ Network Adapter
C:	Healthy	DamatiACS.DamatiMan.com	Windows Server 2016 and 1709+ Logical Disk
DamatiMan	Healthy	DamatiAD.DamatiMan.com	Windows Server 2016 and 1709+ Network Adapter

Detail View

Windows Server 2016 Computer (Full) properties of DamatiNTW.DamatiMan.com

Display Name	DamatiNTW.DamatiMan.com
Full Path Name	DamatiNTW.DamatiMan.com
Principal Name	DamatiNTW.DamatiMan.com
DNS Name	DamatiNTW.DamatiMan.com
NetBIOS Computer Name	DamatiNTW
NetBIOS Domain Name	DAMATIMAN
IP Address	192.168.68.125, fe80::f531:ecee:375f:34e, 192.168.1.101, fe80::e09d:2f42:828e:115d
Network Name	DamatiNTW.DamatiMan.com
Active Directory SID	S-1-5-21-13803373-3013186118-2323904326-1105

Step 2: Modify Sync Rule

Enterprise Dashboards sync rule need to be modified to include new group created. the sync rule later, will start populating group members state information to EnterpriseDashbaord Database. follow below steps to add group to Sync Rule

1. Open SCOM Console, browse to **Authoring** Tab and **select Management Pack Objects --> Rules**

Authoring

Rules (22)

Management pack objects are now scoped to: Certificate Store, Certificate Store (Local), Certificate Store (Registry), Certificate Store (SmartCard), All Management Servers Resource Pool, All Management Servers Resource Pool

Look for: Find Now Clear

Name	Inherited from	Management Pack	Created	Enabled
Type: All Management Servers Resource Pool (22)				
Health Service Modules Alert Subscription DataSource M...	All Management Servers ...	System Center Core Monitoring	3/20/2019 1:04:41 P...	Yes
Agent Initiated Maintenance Mode Event Process Rule	All Management Servers ...	System Center Core Monitoring	11/5/2019 10:27:58 ...	Yes
Maintenance Mode	All Management Servers ...	System Center Internal Library	3/20/2019 1:04:30 P...	Yes
MSDashboards Unified Sync Engine for Multiple Groups	All Management Servers ...	Enterprise Dashboards Sync Rules MP	4/1/2019 1:14:17 PM	No
An alert subscription has been automatically disabled du...	All Management Servers ...	System Center Core Monitoring	3/20/2019 1:04:41 P...	Yes
New Management Pack Available	All Management Servers ...	System Center Internal Library	3/20/2019 1:04:30 P...	Yes
Health Service Modules Alert Subscription DataSource M...	All Management Servers ...	System Center Core Monitoring	3/20/2019 1:04:41 P...	Yes
Discovery Data Grooming	All Management Servers ...	System Center Internal Library	3/20/2019 1:04:30 P...	Yes
Partitioning and Grooming	All Management Servers ...	System Center Internal Library	3/20/2019 1:04:30 P...	Yes
Alert Auto Resolve Execute All	All Management Servers ...	System Center Internal Library	3/20/2019 1:04:30 P...	Yes
Collect Agent Health States	All Management Servers ...	Microsoft SystemCenter OperationsM...	3/20/2019 1:07:30 P...	Yes
An exception occurred processing a group membership r...	All Management Servers ...	System Center Core Monitoring	3/20/2019 1:04:41 P...	No
Detect and Fix Object Space Inconsistencies	All Management Servers ...	System Center Internal Library	3/20/2019 1:04:30 P...	Yes
Transfer Events	All Management Servers ...	System Center Internal Library	3/20/2019 1:04:30 P...	Yes
Optimize Indexes	All Management Servers ...	System Center Internal Library	3/20/2019 1:04:30 P...	Yes
Collect Management Group Active Alerts Count	All Management Servers ...	Microsoft SystemCenter OperationsM...	3/20/2019 1:07:30 P...	Yes
Health Service Modules Alert Subscription DataSource M...	All Management Servers ...	System Center Core Monitoring	3/20/2019 1:04:41 P...	Yes
System Center Generate Pool Heartbeat	Management Service Pool	System Center Core Monitoring	3/20/2019 1:04:41 P...	Yes
Resource Pool Watcher Heartbeat On Demand Error Date	All Management Servers ...	System Center Core Monitoring	3/20/2019 1:04:41 P...	Yes

Rule details:

Maintenance Mode

Rule Description:

Management Pack: System Center Internal Library

System rule that updates maintenance mode data.

2. Change Scope to be **All Management Servers Resource Pool** and then click **Ok**

rules (22)

Management pack objects are now scoped to: Certificate Store, Certificate Store (Local), Certificate Store (Registry), Certificate Store (SmartCard), All Management Servers Resource Pool, All Management Servers Resource Pool

Look for: Find Now Clear

Name	Inherited from	Management Pack	Created	Enabled by default
Type: All Management Servers Resource Pool (22)				
Health Service Modules Alert Subscription DataSource M...	All Management Servers ...	System Center Core Monitoring	3/20/2019 1:04:41 P...	Yes
Agent Initiated Maintenance Mode Event Process Rule	All Management Servers ...	System Center Core Monitoring	11/5/2019 10:27:58 ...	Yes
Maintenance Mode	All Management Servers ...	System Center Internal Library	3/20/2019 1:04:30 P...	Yes
MSDashboards Unified Sync Engine for Multiple Groups	All Management Servers ...	Enterprise Dashboards Sync Rules MP	4/1/2019 1:14:17 PM	No
An alert subscription has been automatically disabled du...	All Management Servers ...	System Center Core Monitoring	3/20/2019 1:04:41 P...	Yes
New Management Pack Available	All Management Servers ...	System Center Internal Library	3/20/2019 1:04:30 P...	Yes
Health Service Modules Alert Subscription DataSource M...	All Management Servers ...	System Center Core Monitoring	3/20/2019 1:04:41 P...	Yes
Discovery Data Grooming	All Management Servers ...	System Center Internal Library	3/20/2019 1:04:30 P...	Yes
Partitioning and Grooming	All Management Servers ...	System Center Internal Library	3/20/2019 1:04:30 P...	Yes
Alert Auto Resolve Execute All	All Management Servers ...	System Center Internal Library	3/20/2019 1:04:30 P...	Yes
Collect Agent Health States	All Management Servers ...	Microsoft SystemCenter OperationsM...	3/20/2019 1:07:30 P...	Yes
An exception occurred processing a group membership r...	All Management Servers ...	System Center Core Monitoring	3/20/2019 1:04:41 P...	No
Detect and Fix Object Space Inconsistencies	All Management Servers ...	System Center Internal Library	3/20/2019 1:04:30 P...	Yes
Transfer Events	All Management Servers ...	System Center Internal Library	3/20/2019 1:04:30 P...	Yes
Optimize Indexes	All Management Servers ...	System Center Internal Library	3/20/2019 1:04:30 P...	Yes
Collect Management Group Active Alerts Count	All Management Servers ...	Microsoft SystemCenter OperationsM...	3/20/2019 1:07:30 P...	Yes
Health Service Modules Alert Subscription DataSource M...	All Management Servers ...	System Center Core Monitoring	3/20/2019 1:04:41 P...	Yes
System Center Generate Pool Heartbeat	Management Service Pool	System Center Core Monitoring	3/20/2019 1:04:41 P...	Yes
Resource Pool Watcher Heartbeat On Demand Error Date	All Management Servers ...	System Center Core Monitoring	3/20/2019 1:04:41 P...	Yes

Rule details:

Maintenance Mode

Management Pack: System Center Internal Library

Target: All Management Servers Resource Pool

Knowledge: View knowledge

Created: 3/20/2019 1:04:30 P...

Scope Management Pack Objects

Select the class, group, or object that you want to target from the list below. You can also filter or sort the list to make items easier to find.

Look for: all management Clear

☐ View common targets

☒ View all targets

Target	Management Pack	Description
<input checked="" type="checkbox"/> All Management Servers Resource Pool	System Center Core Library	A pool which contains all mana
<input checked="" type="checkbox"/> All Management Servers Resource Pool	System Center Core Library	Group hosting all of the watch

Select All Clear All 1930 total Targets, 2 visible, 2 selected

Help OK Cancel

3. Right click on **MSDashboards Unified Sync Engine for Multiple Groups** and select **Overrides --> Override the Rule --> For All objects of class: All Management Servers Resource Pool**

Name	Inherited from	Management Pack	Created	Enabled by default
Type: All Management Servers Resource Pool (22)				
Health Service Modules Alert Subscription DataSource M...	All Management Servers ...	System Center Core Monitoring	3/20/2019 1:04:41 P...	Yes
Agent Initiated Maintenance Mode Event Process Rule	All Management Servers ...	System Center Core Monitoring	11/5/2019 10:27:58 ...	Yes
Maintenance Mode	All Management Servers ...	System Center Internal Library	3/20/2019 1:04:30 P...	Yes
MSDashboards Unified Sync Engine for Multiple Groups	All Management Servers ...	Enterprise Dashboards Sync Rules MP	4/1/2019 1:14:17 PM	No
An alert subscription has been automatical	t Servers ...	System Center Core Monitoring	3/20/2019 1:04:41 P...	Yes
New Management Pack Available	t Servers ...	System Center Internal Library	3/20/2019 1:04:30 P...	Yes
Health Service Modules Alert Subscription	t Servers ...	System Center Core Monitoring	3/20/2019 1:04:41 P...	Yes
Discovery Data Grooming	t Servers ...	System Center Internal Library	3/20/2019 1:04:30 P...	Yes
Partitioning and Grooming				
Alert Auto Resolve Execute All				
Collect Agent Health States				
An exception occurred processing a group				
Detect and Fix Object Space Inconsistencies	All Management Servers ...	System Center Internal Library	3/20/2019 1:04:30 P...	Yes
Transfer Events	All Management Servers ...	System Center Internal Library	3/20/2019 1:04:30 P...	Yes
Optimize Indexes	All Management Servers ...	System Center Internal Library	3/20/2019 1:04:30 P...	Yes
Collect Management Group Active Alerts Count	All Management Servers ...	Microsoft SystemCenter OperationsM...	3/20/2019 1:07:30 P...	Yes
Health Service Modules Alert Subscription DataSource M...	All Management Servers ...	System Center Core Monitoring	3/20/2019 1:04:41 P...	Yes
System Center Generate Pool Heartbeat	Management Service Pool	System Center Core Monitoring	3/20/2019 1:04:41 P...	Yes
Resource Pool Watcher Heartbeat On Demand Error Data	All Management Servers ...	System Center Core Monitoring	3/20/2019 1:04:41 P...	Yes

Rule details:

MSDashboards Unified Sync Engine for Multiple Groups

Rule Description:

4. In Override Rule properties, Ensure the following overrides enabled:
- Enabled** = True
 - GroupList** includes "Windows Dashboard Group"
 - SQLServer** = <SQL Instance hosting EnterpriseDashboards Database>

Override Properties

Rule name:

MSDashboards Unified Sync Engine for Multiple Groups

Category:

Custom

Overrides target:

Class: All Management Servers Resource Pool

Show Rule Properties...

Override-controlled parameters:

	Override	Parameter Name	Parameter Type	Default Value	Override Value	Effective Value
	<input checked="" type="checkbox"/>	Enabled	Boolean	False	True	True
	<input type="checkbox"/>	GetAlerts	Boolean	True	True	True
	<input type="checkbox"/>	GetMonitorTree	Boolean	False	False	False
	<input checked="" type="checkbox"/>	GroupList	String	Group 1;Group 2;Group 3	Windows Dashboard Group;AD Dashboard Group;OpsMgr Dashboar...	Windows Dashboard Group;AD Dashboard Group;OpsMgr Das
	<input type="checkbox"/>	Interval Seconds	Integer	300	300	300
	<input type="checkbox"/>	Logging	Boolean	False	False	False
	<input type="checkbox"/>	Mode	String	Rule	Rule	Rule
	<input type="checkbox"/>	SQLDBName	String	EnterpriseDashboards	EnterpriseDashboards	EnterpriseDashboards
	<input checked="" type="checkbox"/>	SQLServer	String		DamatiSQL\SCOM	DamatiSQL\SCOM
	<input type="checkbox"/>	Sync Time	String	00:02	00:02	00:02
	<input type="checkbox"/>	TimeoutSeconds	Decimal	250	250	250

Details:

Enabled

The custom override for this parameter is defined in 'Enterprise Dashboards - Overrides'.
The effective value is set:

- as a preferred value
- on the current target
- by the custom override in 'Enterprise Dashboards - Overrides'

Last modified at: 11/5/2010 4:15:22 AM

Description

Edit...

Management pack

Select destination management pack:

<Select Management Pack>

New...

Help

OK

Apply

Cancel

Click on **Ok**

Step 3: Confirm Group populates information to EnterpriseDashboard Database

1. Using SQL Management Studio, Open EnterpriseDashboard Database and expand Tables.
2. ensure WindowsDashbaordGroup table is created.

3. right click on the table and click on Select Top 1000 Rows. confirm results.

Object Explorer

Connect

DamatiSQL\SCOM (SQL Server 13.0.5292.0 - DAMATIMAN\omAdmin)

Databases

System Databases

Database Snapshots

EnterpriseDashboards

Database Diagrams

Tables

System Tables

FileTables

External Tables

dbo.ADDashboardGroup_Alerts

dbo.ADDashboardGroup_Monitordata

dbo.ADDashboardGroup_Statedata

dbo.OpsMgrDashboardGroup_Alerts

dbo.OpsMgrDashboardGroup_Monitordata

dbo.OpsMgrDashboardGroup_Statedata

dbo.PKIDashboardGroup_Alerts

dbo.PKIDashboardGroup_Monitordata

dbo.PKIDashboardGroup_Statedata

dbo.SQLDashboardGroup_Alerts

dbo.SQLDashboardGroup_Monitordata

dbo.SQLDashboardGroup_Statedata

dbo.WindowsDashboardGroup_Alerts

dbo.WindowsDashboardGroup_Statedata

Views

External Resources

Synonyms

Programmability

Service Broker

Storage

Security

OperationsManager

OperationsManagerAC

OperationsManagerDW

ReportServer_PBI

ReportServer_PBIReport

ReportServer_PBIReportTempDB

ReportServer_PBITempDB

ReportServer_SCED

ReportServer_SCEDTempDB

SCOMReportServer

SQLQuery1.sql - ...MAN\omAdmin (56)

Script for SelectTopRows command from SSMS

```
SELECT TOP (1000) [ID]
, [Name]
, [Path]
, [Fullname]
, [Classname]
, [FinalClassname]
, [HealthState]
, [AvailabilityLastModified]
, [synctime]
FROM [EnterpriseDashboards].[dbo].[WindowsDashboardGroup_Statedata]
```

100 %

Results

Messages

ID	Name	Path	Fullname
1	DamatiSQL.DamatiMan.com	DamatiSQL.DamatiMan.com	Microsoft.SystemCenter.HealthService.Dar
2	C:	DamatiHyperV2.DamatiMan.com	Microsoft.Windows.Server.10.0.LogicalDis
3	Microsoft.Windows.Server.2016.Standard	DamatiAD.DamatiMan.com	Microsoft.Windows.OperatingSystem.Dami
4	DamatiNTW.DamatiMan.com	DamatiNTW.DamatiMan.com	Microsoft.Windows.Computer.DamatiNTW
5	C:	DamatiHyperV3.DamatiMan.com	Microsoft.Windows.Server.10.0.LogicalDis
6	DamatiACS.DamatiMan.com	DamatiACS.DamatiMan.com	Microsoft.Windows.Computer.DamatiACS.I
7	Microsoft.Windows.Server.2016.Standard	DamatiODA.DamatiMan.com	Microsoft.Windows.OperatingSystem.Dami
8	DamatiCM.DamatiMan.com	DamatiCM.DamatiMan.com	Microsoft.SystemCenter.HealthService.Dar
9	C:	DamatiSMSQL.DamatiMan.com	Microsoft.Windows.Server.10.0.LogicalDis
10	DamatiAD.DamatiMan.com	DamatiAD.DamatiMan.com	Microsoft.SystemCenter.HealthService.Dar
11	DamatiOrch.DamatiMan.com	DamatiOrch.DamatiMan.com	Microsoft.SystemCenter.HealthService.Dar
12	DamatiDash.DamatiMan.com	DamatiDash.DamatiMan.com	Microsoft.Windows.Computer.DamatiDash
13	Microsoft.Windows.Server.2016.Datacenter	DamatiHyperV2.DamatiMan.com	Microsoft.Windows.OperatingSystem.Dami
14	DamatiHyperV2.DamatiMan.com	DamatiHyperV2.DamatiMan.com	Microsoft.SystemCenter.HealthService.Dar

Step 4: Import Dashboard Template File

Following steps need to be applied on your desktop or Report server. make sure you have Power BI desktop installed (RS Version). you can download it from Power BI Report Server if you have required permissions.

Download

Power BI Desktop

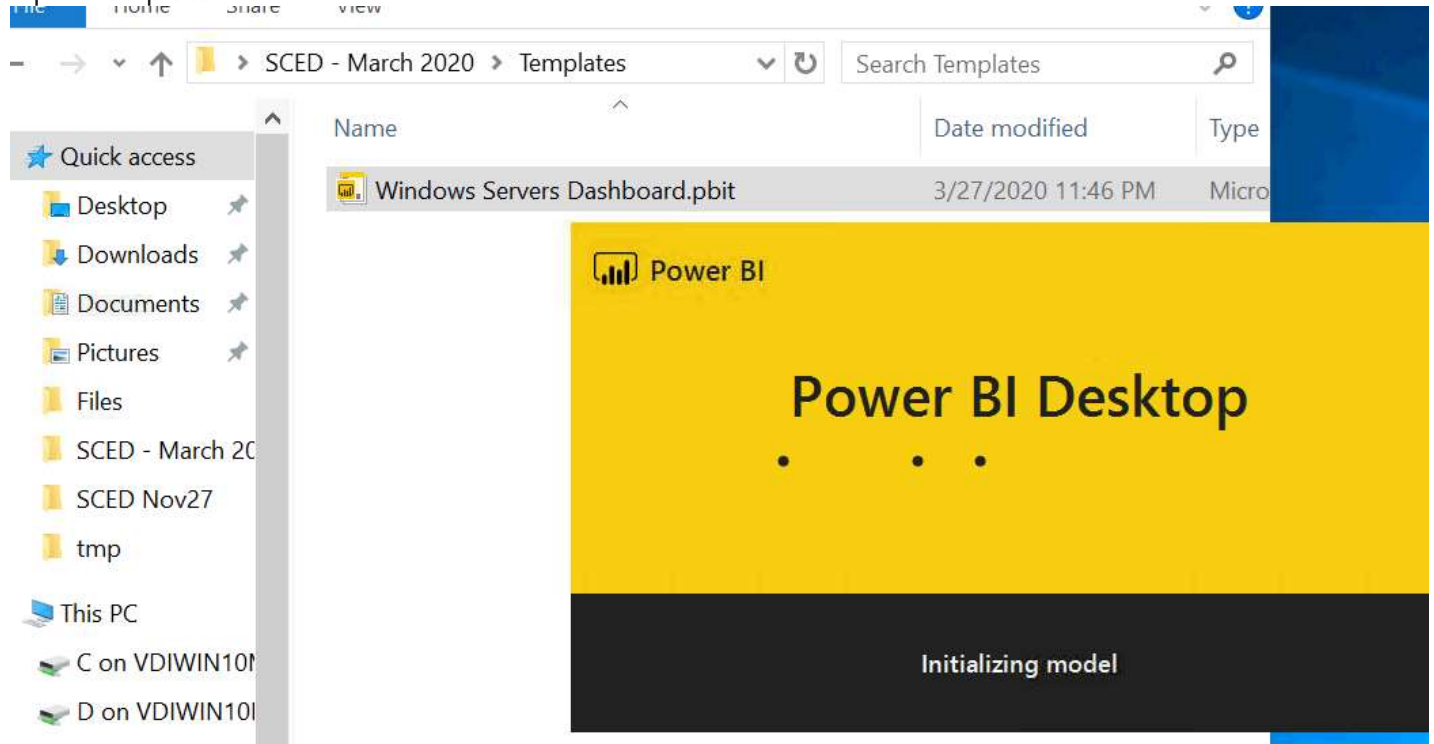
Power BI Mobile

Mobile Report Publisher

Report Builder

1. Download Windows Server Core OS Power BI Template
- [Windows Servers Dashboard.zip](#)

2. Open Template file



3. Insert required parameters then click Load notes

The screenshot shows the 'Windows Servers Dashboard' configuration window. The window contains several input fields for parameters:

- System Center Enterprise Dashbaords - Windows Server Core OS
- SCED_Server ⓘ: DamatiSQL\SCOM
- SCED_DB ⓘ: EnterpriseDahboards
- OMDW_Server ⓘ: DamatiSQL\SCOM
- OMDW_DB ⓘ: OperationsManagerDW
- Language: ENU
- SCOM_WebConsole ⓘ: Http://DamatiOM/OperationsManager

The 'Load' button is highlighted in yellow.

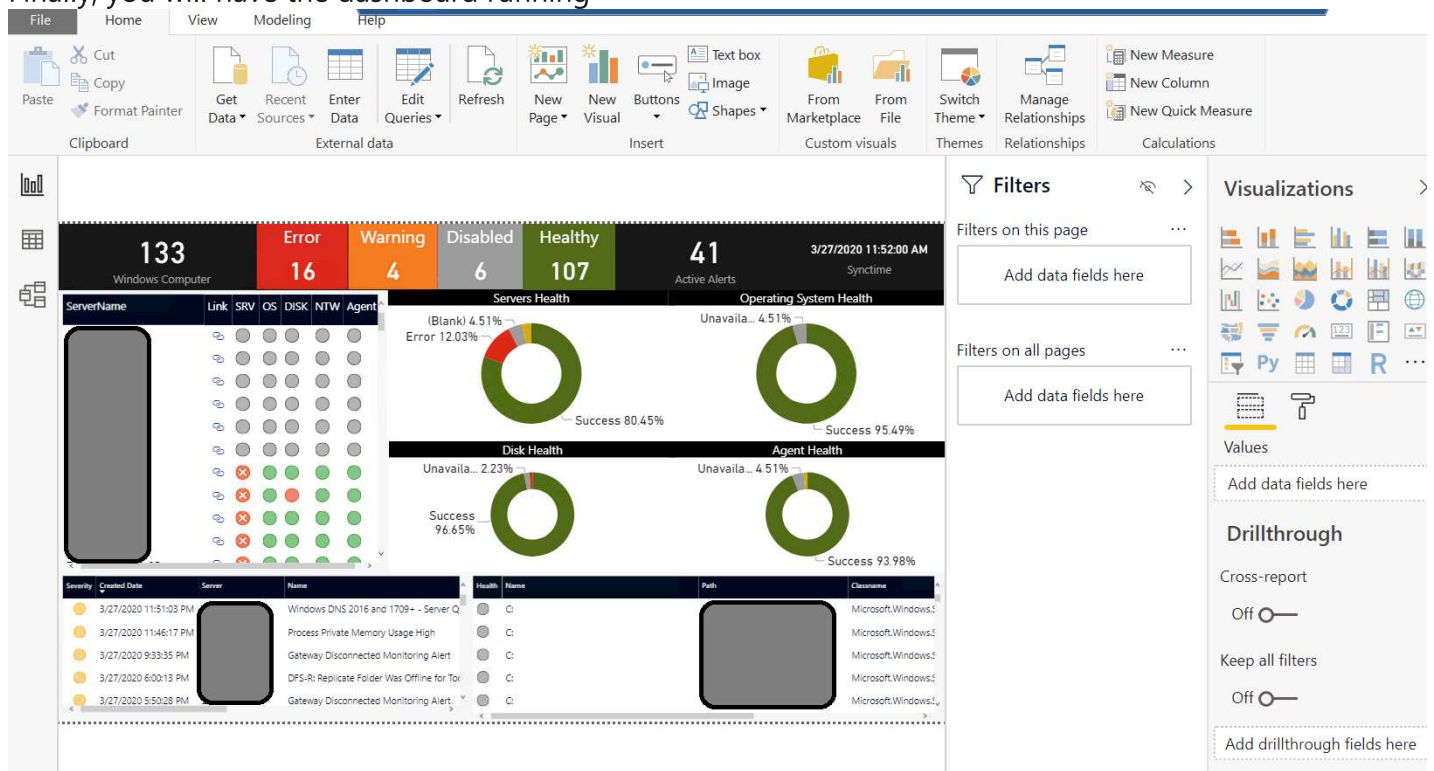
4. Dashboard will start connecting to Operations Manager Databases and load required information to build visualizations

Refresh

- SCED_ServerActiveAlerts
Loading data to model...
- SCED_WindowsComputer_HealthDetails
Creating connection in model...
- SCED_ComputerStateMonitors
Loading data to model...
- OMDW_ProcessorUtilization_Top20_Last24H
Creating connection in model...
- OMDW_MemoryUtilization_Top20_Last24H
Loading data to model...

Cancel

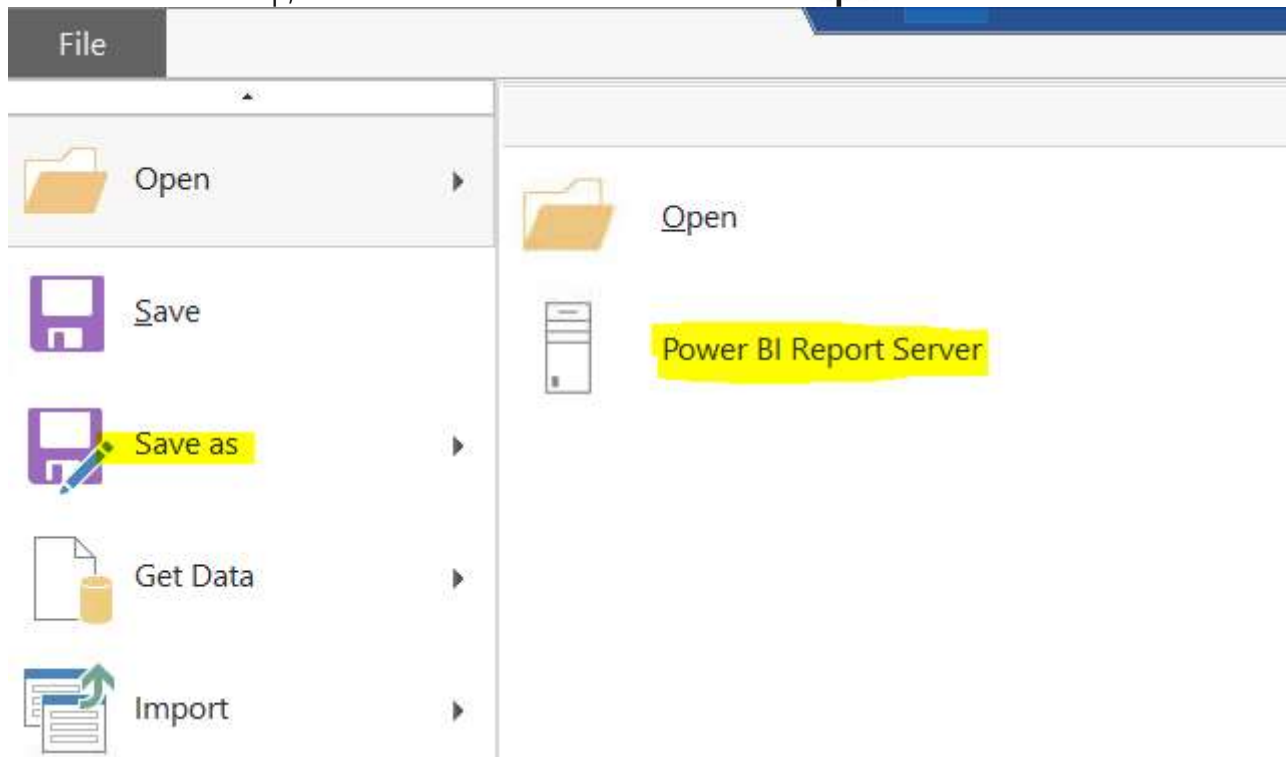
5. Finally, you will have the dashboard running



Step 5: Save Dashboard to Power BI Report Server

Once the dashboard is ready to be published, follow below steps.

1. On Power BI Desktop, select **File** --> **Save As** --> **Power BI Report Server**

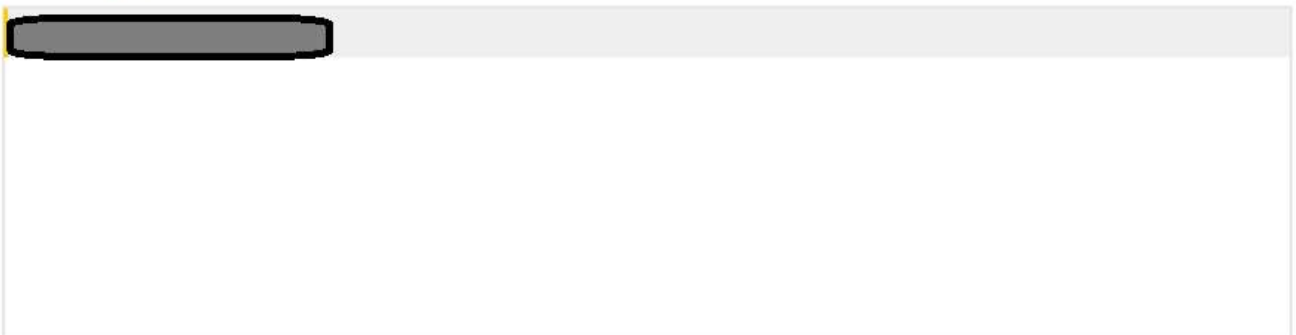


2. Select or Type in Power BI Report Server Name and click **Ok**

Power BI Report Server Selection

Choose the report server you would like to open your report from. You can select from the recent report server list or enter a new report server address.

Recent report servers

A list box for 'Recent report servers' containing one item that has been redacted with a black box.

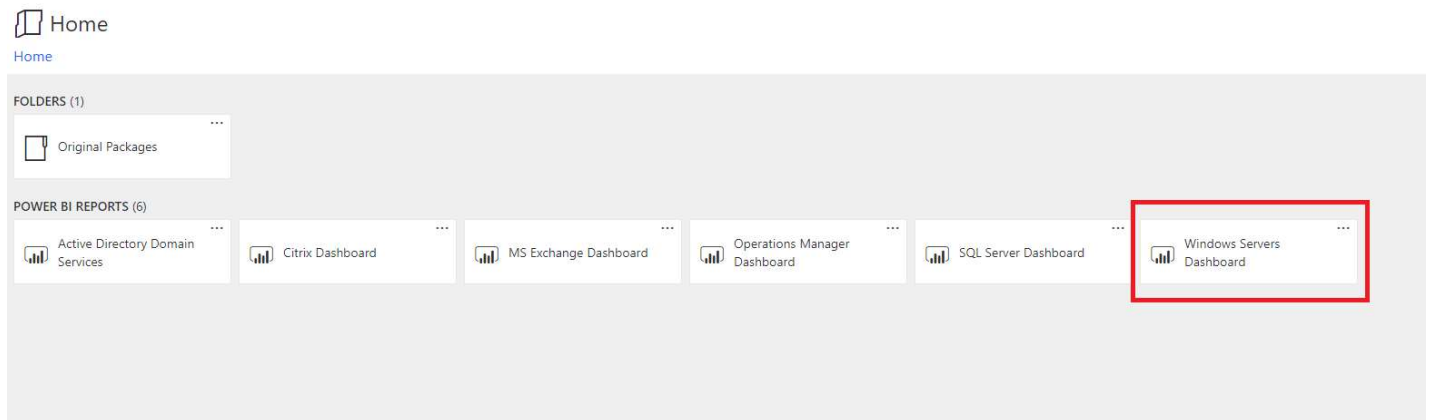
New report server address (Example: <http://reportserver/reports> or <https://reportserver/reports>)

A text input field for the 'New report server address' with a redacted address.

OK

Cancel

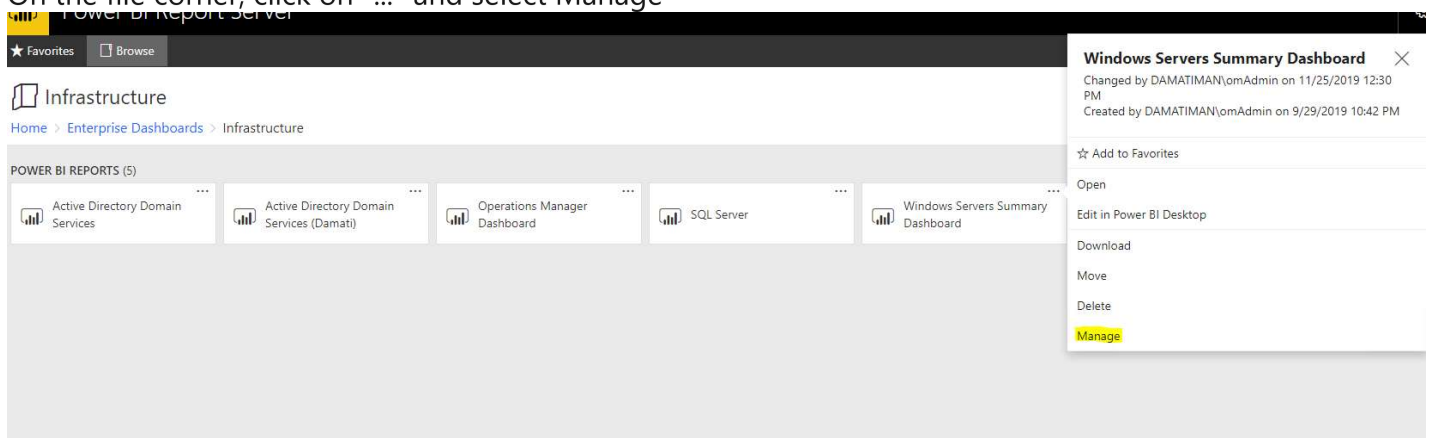
3. Open Power BI Report Server URL and Select published Dashboard



Step 6: Configure Data Source Settings

Data Sources does not have the real time information as it need to be configured after we published the dashboards. to do that, follow below steps:

1. On Power BI Report Server Web URL, Browse to Dashboard file location [DON'T OPEN IT].
2. On the file corner, click on "... " and select Manage



3. In Manage Tab, Select Data Sources

4. Type required credentials to connect to EnterpriseDashboards DB and click Test to verify connectivity

Manage Windows Servers Summary Dashboard

[Home](#) > [Enterprise Dashboards](#) > [Infrastructure](#) > [Windows Servers Summary Dashboard](#) > [Manage](#) > [Data sources](#)

Properties

Data sources

Scheduled refresh

Row-level security

Security

SQL

Connection string [Learn more](#)

damatisql\scom;EnterpriseDashboards

Credentials

Log into the data source

Authentication Type

Windows Authentication


User name

daMATImAN\OMaDMIN

Password

.....

Test connection

 Connected successfully

Data Source 2:

Connection

5. scroll down and do the same for OperationsManagerDW Database.

[Home](#) > [Enterprise Dashboards](#) > [Infrastructure](#) > [Windows Servers Summary Dashboard](#) > [Manage](#) > [Data sources](#)

Properties

Data sources

Scheduled refresh

Row-level security

Security

Test connection Connected successfully

Data Source 2:

Connection

Type

SQL

Connection string [Learn more](#)

damatisql\scom;OperationsManagerDW

Credentials

Log into the data source

Authentication Type

Windows Authentication

User name

daMATImAN\OMaDMIN

Password

.....

Test connection Connected successfully

6. Confirm Test Connection is successful and click **Save**