

# Enterprise Dashboards Management Pack

Last updated by | Mazen Ahmed | May 28, 2020 at 4:12 PM GMT+3

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## Introduction

This guide will take you through the steps of deploying and configuring Enterprise Dashboard Management Pack.

## Getting Started

This management pack needed for the Sync Engine which populates the health state of the objects in Enterprise Dashboards.

## Enterprise Dashboards MP

This management pack has one Rule named **"MSDashboards Unified Sync Engine for Multiple Groups"** targeted to All Management Server Resource Pool. This rule is configured to accept list of SCOM Groups and query health state information for all group members. This information will be later synced to an external database "EnterpriseDashboards" in a readable format.

The rule is disabled by default. Engineers need to create an override to enable and specify Groups which will be used in Infrastructure Dashboards.

### Note:

You should follow the exact naming convention for Dashboard Group names as these groups are translated into SQL Tables and table names are hard coded in all Dashboard files! To avoid typing errors you can use the following PowerShell command to get the list of groups

```
$grp='';Get-SCOMGroup |where {$_.Displayname -match ' Dashboard Group$'}|?{$grp+=$_ .Displayname+";";$grp.Substring(0,$grp.Length-1)}
```

Sample output, your results might be different depending on the implementation

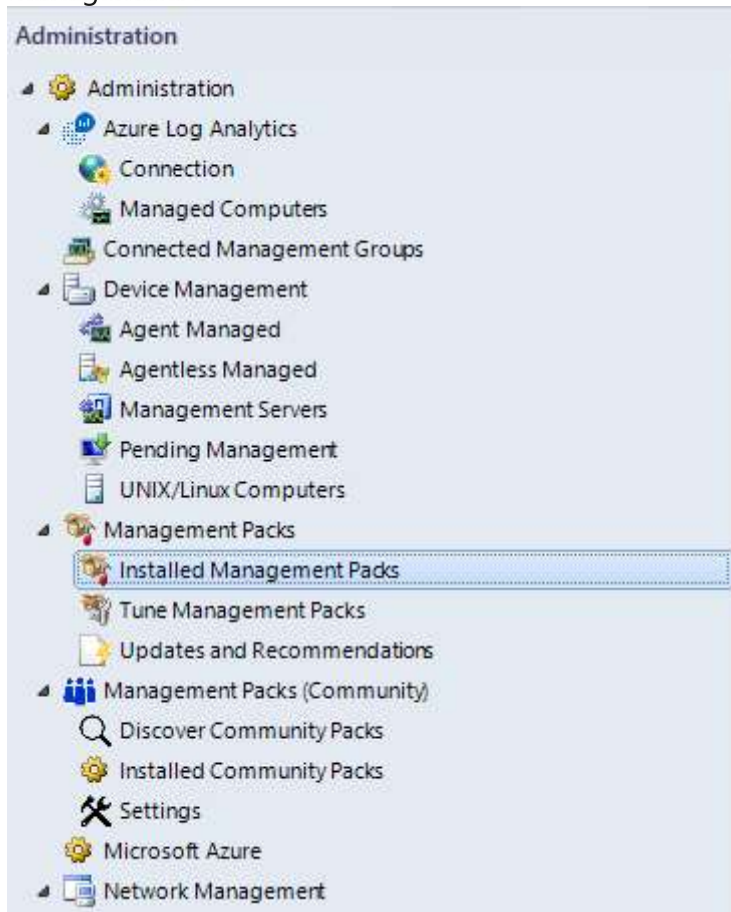
```
AD Dashboard Group;Windows Dashboard Group;Ex Dashboard Group;SQL Dashboard Group
```

## Import EnterpriseDashboard.mp Management Pack

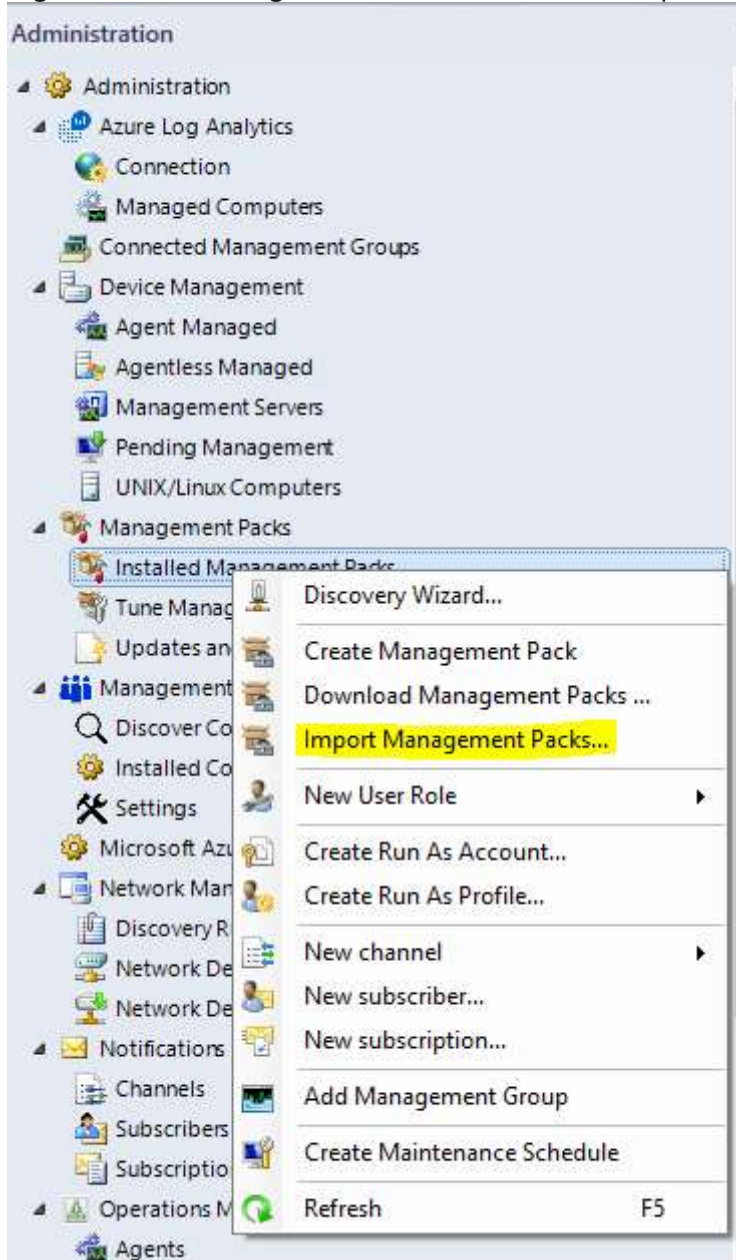
follow below steps to import Enterprise Dashboard Management Pack and look which rule

1. Download Management Pack file: [EnterpriseDashboard.zip](#)

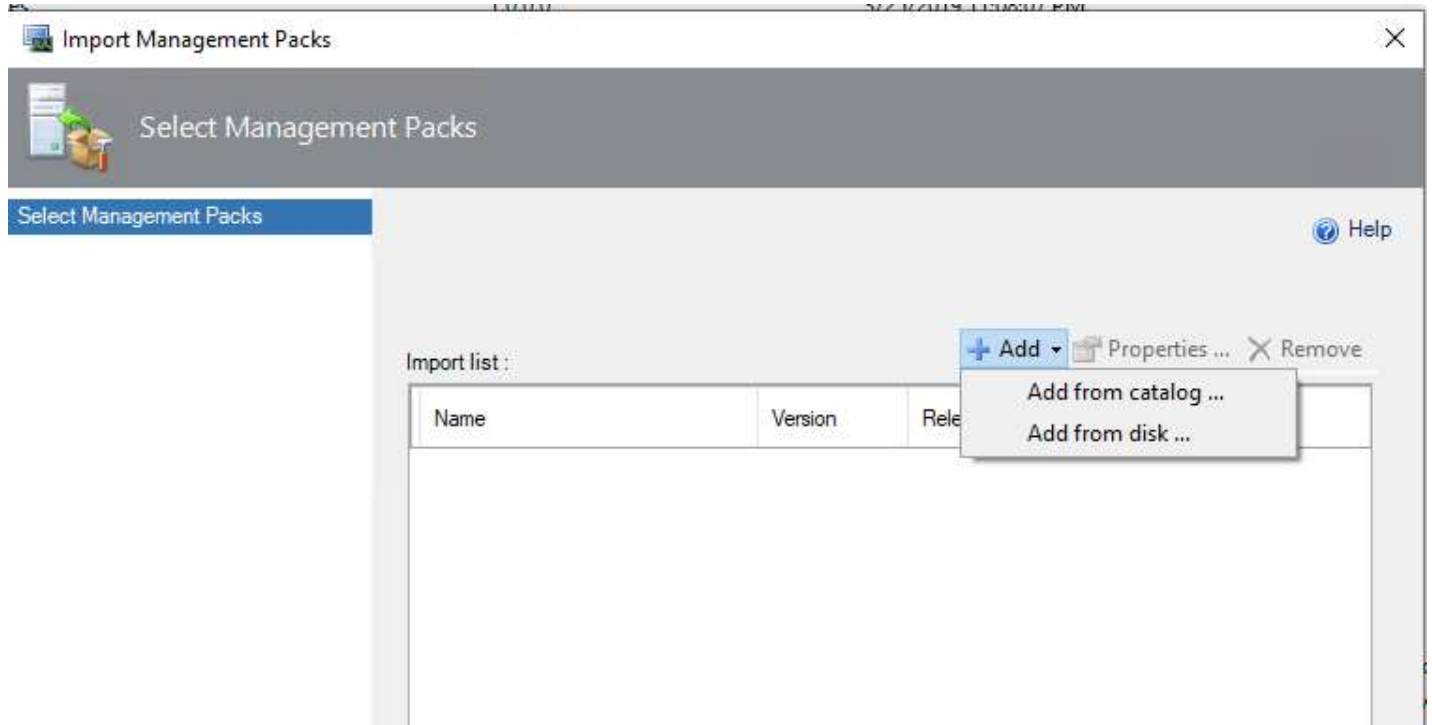
2. Open SCOM Console --> Administration tab and then browse to Management Packs --> Installed Management Packs



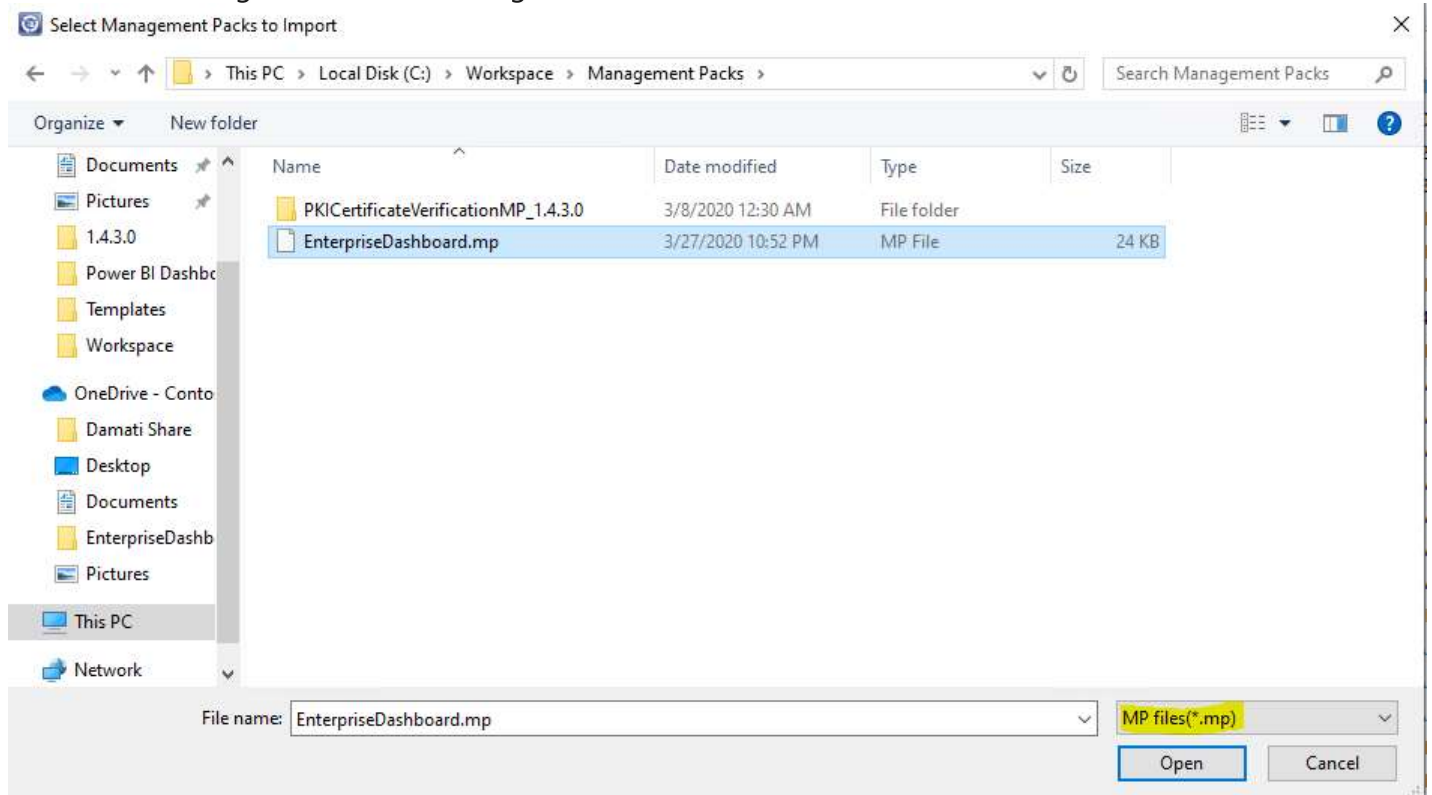
3. Right click on Management Packs and click on Import Management Packs



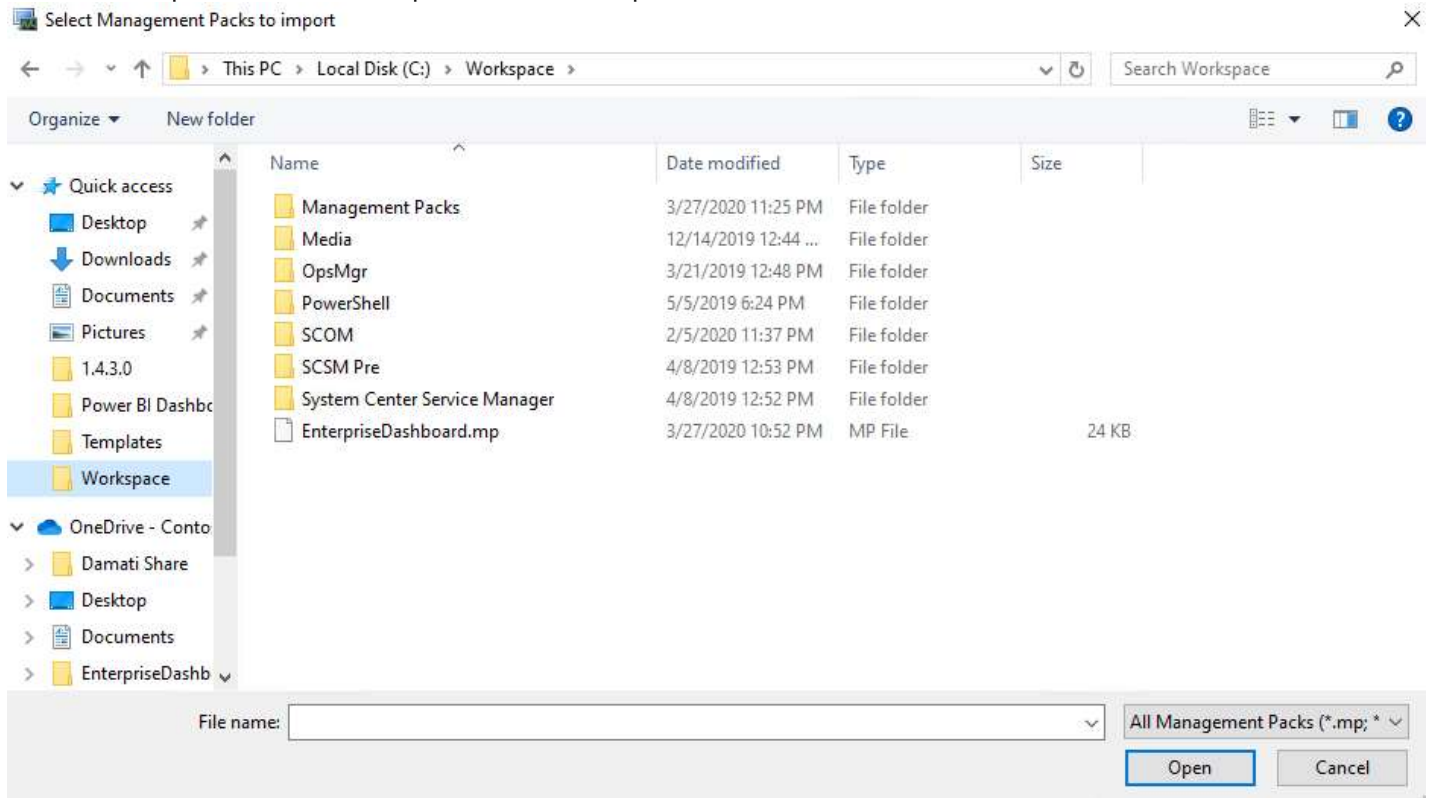
4. Click on Add and select Add from Disk



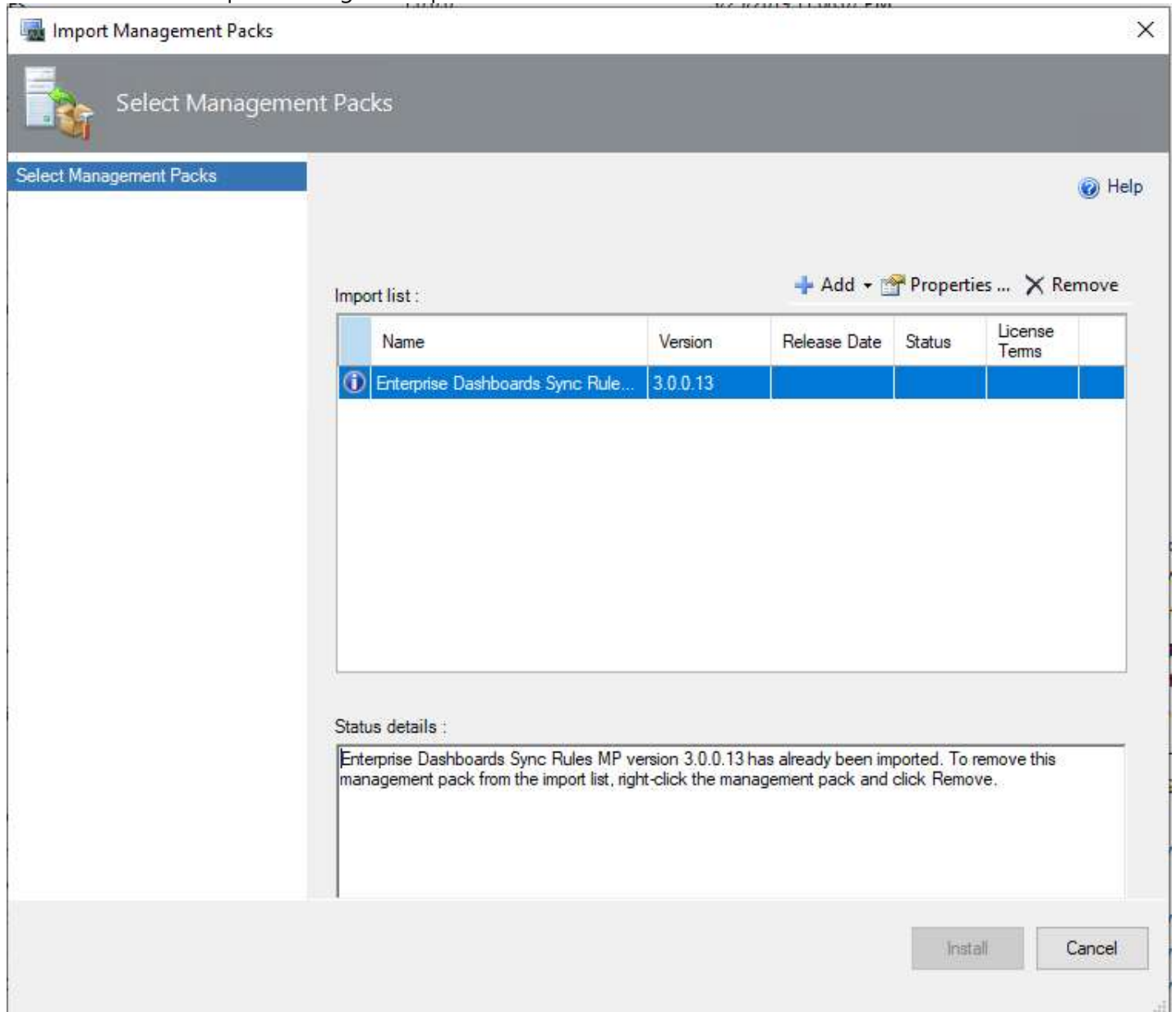
5. On Online Catalog Connection warning click No



## 6. Locate EnterpriseDashboard.mp file and click Open



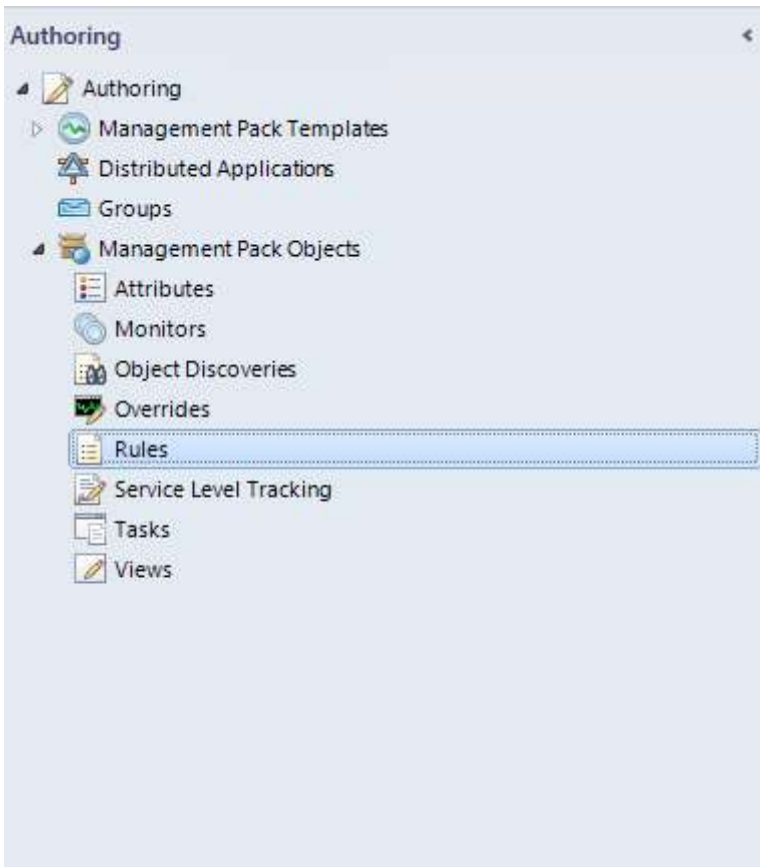
7. Click on Install to import management pack



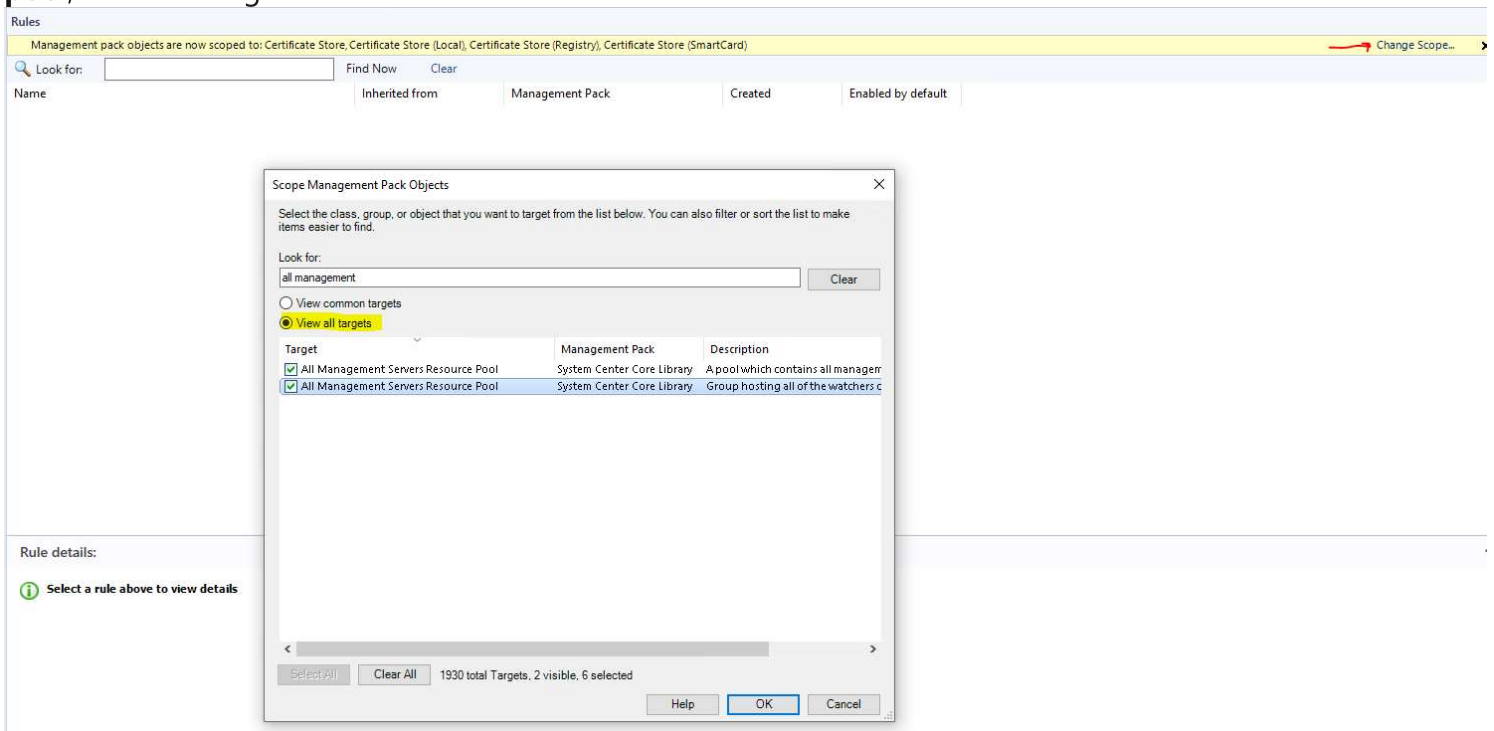
## Review and Enable MP Sync Rule

Review the Sync rule, follow below steps:

1- Open SCOM Console --> Authoring tab and click on Management Packs



2- In Rules page, Click on **Change Scope**, click on View **all targets** and type **all management servers resource pool**, Select all targets and then click **Ok**



3- check MSDashboards Unified Sync Engine for Multiple Groups rule. its disabled by default



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

4- Right click on the rule, select **Overrides** --> **Override the Rule** --> **For all objects of class: All**

## Management Servers Resource Pool

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 subscrip...	du...	All Management Servers ...	System Center Core Monitoring	3/20/2019 1:04:41 P...
New Management	All Management Servers ...	System Center Internal Library	3/20/2019 1:04:30 P...	Yes
Health Service Mod	e M...	All Management Servers ...	System Center Core Monitoring	3/20/2019 1:04:41 P...
Discovery Data Gro	All Management Servers ...	System Center Internal Library	3/20/2019 1:04:30 P...	Yes
Partitioning and G	All Management Servers ...	System Center Internal Library	3/20/2019 1:04:30 P...	Yes
Alert Auto Resolve	All Management Servers ...	System Center Internal Library	3/20/2019 1:04:30 P...	Yes
Collect Agent Heal	All Management Servers ...	System Center Internal Library	3/20/2019 1:04:30 P...	Yes
An exception occur	ship r...	All Management Servers ...	System Center Internal Library	3/20/2019 1:04:30 P...
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 Dete	All Management Servers ...	System Center Core Monitoring	3/20/2019 1:04:41 P...	Yes

5- In Rule Override properties, change below properties:

a) **Enabled** --> Override value = True

b) **SQLServer** --> Override value = <SQLServer Hosting EnterpriseDashbaords 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	Change Status	Enforced
	<input checked="" type="checkbox"/>	Enabled	Boolean	False	True	True	[No change]	<input type="checkbox"/>
	<input type="checkbox"/>	GetAlerts	Boolean	True	True	True	[No change]	<input type="checkbox"/>
	<input type="checkbox"/>	GetMonitorTree	Boolean	False	False	False	[No change]	<input type="checkbox"/>
▶	<input checked="" type="checkbox"/>	GroupList	String	Group 1;Group 2;Group 3	Group 1;Group 2;Group 3	Windows Das...	[Deleted]	<input type="checkbox"/>
	<input type="checkbox"/>	Interval Seconds	Integer	300	300	300	[No change]	<input type="checkbox"/>
	<input type="checkbox"/>	Logging	Boolean	False	False	False	[No change]	<input type="checkbox"/>
	<input type="checkbox"/>	Mode	String	Rule	Rule	Rule	[No change]	<input type="checkbox"/>
	<input type="checkbox"/>	SQLDBName	String	EnterpriseDashboards	EnterpriseDashboards	EnterpriseDas...	[No change]	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	SQLServer	String		DamatiSQL\SCOM	DamatiSQL\S...	[No change]	<input type="checkbox"/>
	<input type="checkbox"/>	Sync Time	String	00:02	00:02	00:02	[No change]	<input type="checkbox"/>
	<input type="checkbox"/>	TimeoutSeconds	Decimal	250	250	250	[No change]	<input type="checkbox"/>

Details:

GroupList

You are deleting the custom override defined in 'SCED - Overrides'. Click apply to view the new effective value for this parameter.

The effective value is set:

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

Last modified by: 3/9/2020 1:19:42 AM

Description

Edit...

Management pack

Select destination management pack:

<Select Management Pack>

New...

Help

OK

Apply

Cancel

6- In Management Pack section, Click on New and Type new management pack name then click **Next**

Create a Management Pack

General Properties

General Properties

Knowledge

Management Pack General Properties

ID

Enterprise Dashboards Override

Name

Enterprise Dashboards Override

Version

1.0.0.0 For example, 1.0.0.0

Description

To hold overrides for the Enterprise Dashboards MP

Previous

Next >

Create

Cancel

7- On Knowledge page, click on **Create**

8- Back to Override Page, Confirm Management pack name and click on **Ok**