



Technical Report

Configuring Microsoft System Center Operations Manager 2012 to Monitor SnapManager 7.x for SharePoint

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Abstract

This technical report outlines the steps involved for configuring Microsoft® Systems Center Operations Manager 2012 to monitor SnapManager® 7.x for SharePoint® jobs.

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1 Overview

SnapManager for SharePoint (SMSP) is based on a service-oriented architecture that has multiple services running on all of the various server roles for Microsoft SharePoint Server. With many different services in the environment performing different tasks it is important to know if and when any of these services have issues. In many large-scale IT environments, automated monitoring is used to respond in a timely manner through notifications when problems arise. Microsoft System Center Operations Manager (SCOM) provides the ability to monitor services, devices, and operations across a multitude of servers from a centralized application. Administrators (or operators) using SCOM can quickly check the health of their servers and services through different views that show state, performance, and health as well as alerts to indicate problematic situations.

This technical report covers how to use the SnapManager for SharePoint Management Pack to monitor the various services in the SharePoint environment. The following topics are covered for configuring the management pack:

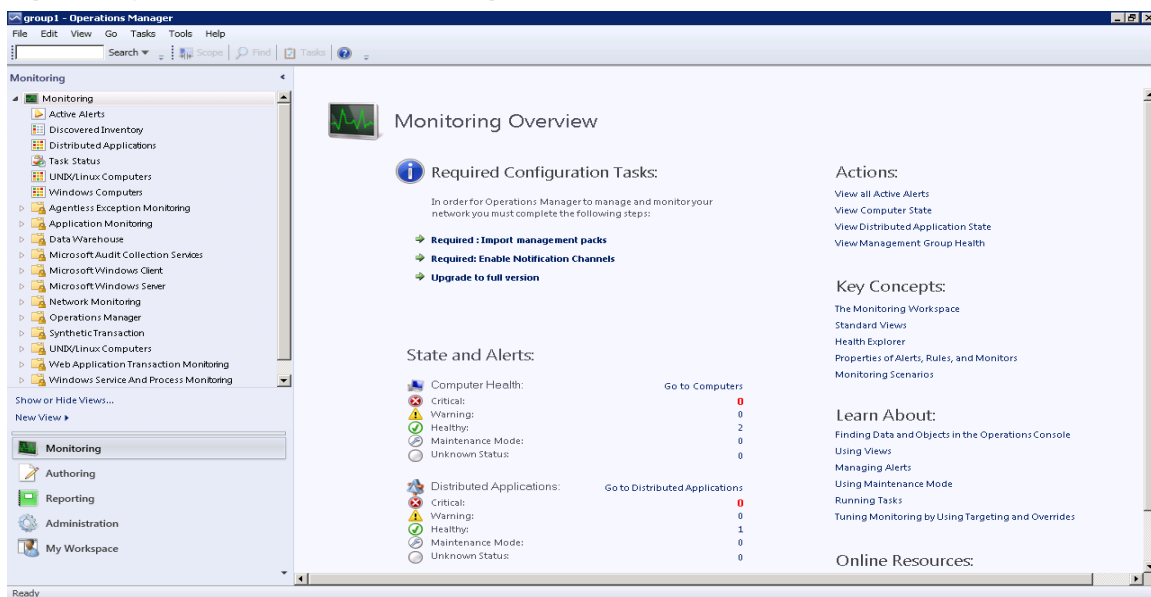
- Configuring the Collection Rule
- Using the Created Collection Rule
- Configuring the Alert Rule
- Using the Created Alert Rule
- Using the System Center Operations Manager Management Pack

2 Configuring the Collection Rule

To view SMSP event logs in System Center Operations Manager (SCOM) 2012, first specify a collection rule that gathers the required event logs. Configure the collection rule as follows.

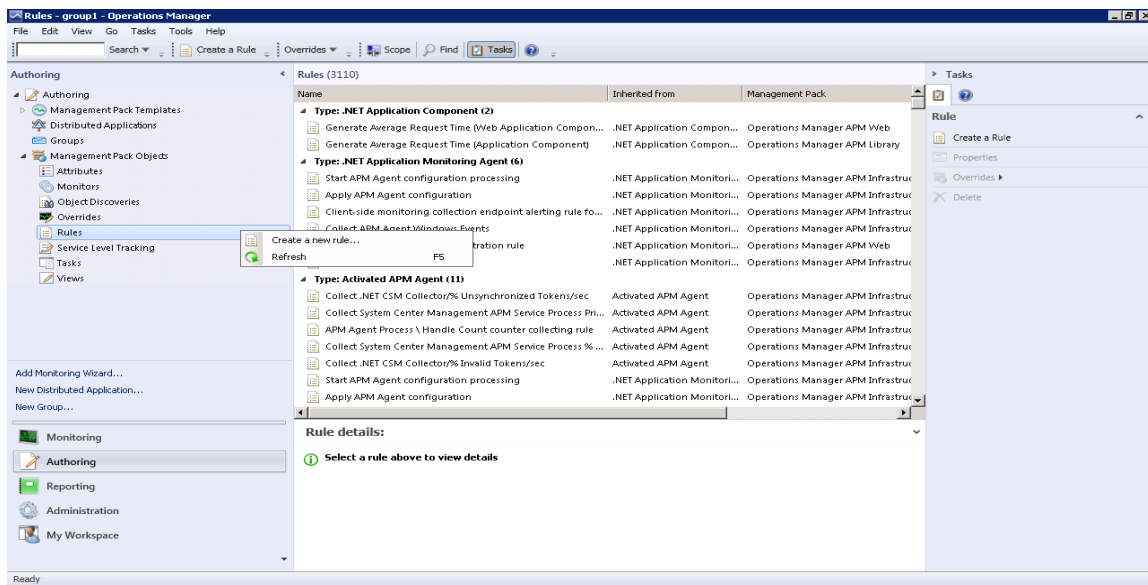
1. After installing SCOM 2012, navigate to the System Center Operations Manager 2012 interface.

Figure 1) System Center Operations Manager 2012 interface.



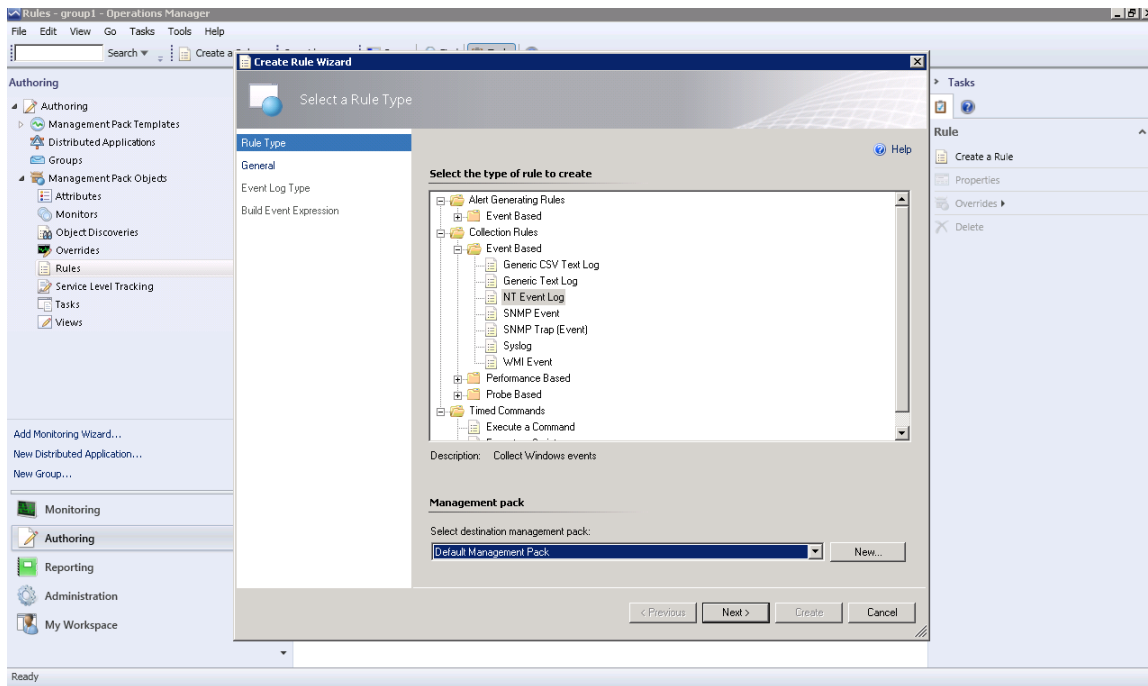
- From the Authoring pane, expand the Management Pack Objects node and right-click Rules. From the pop-up menu, select Create a new rule. The Create Rule Wizard appears.

Figure 2) Selecting Create Rule Wizard



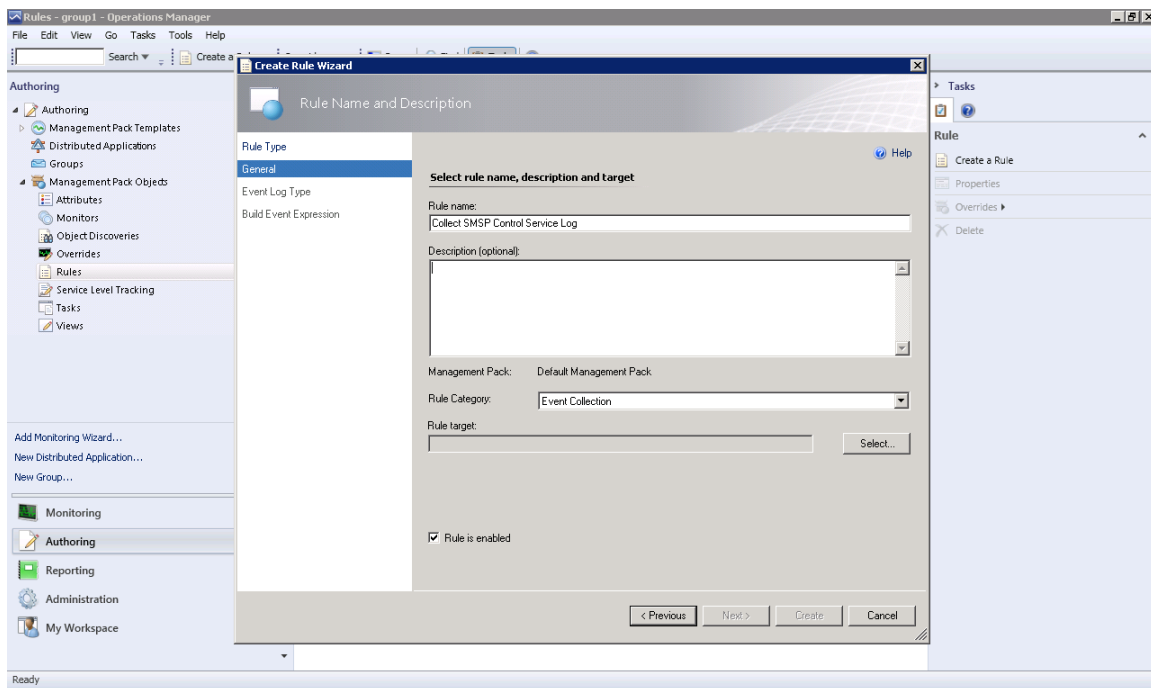
- In the Select the type of rule to create field, expand the tree and select Collection Rules > Event Based > NT Event Log as the rule type. In the Management pack field, select Default Management Pack. Click Next when finished.

Figure 3) Select a rule type.



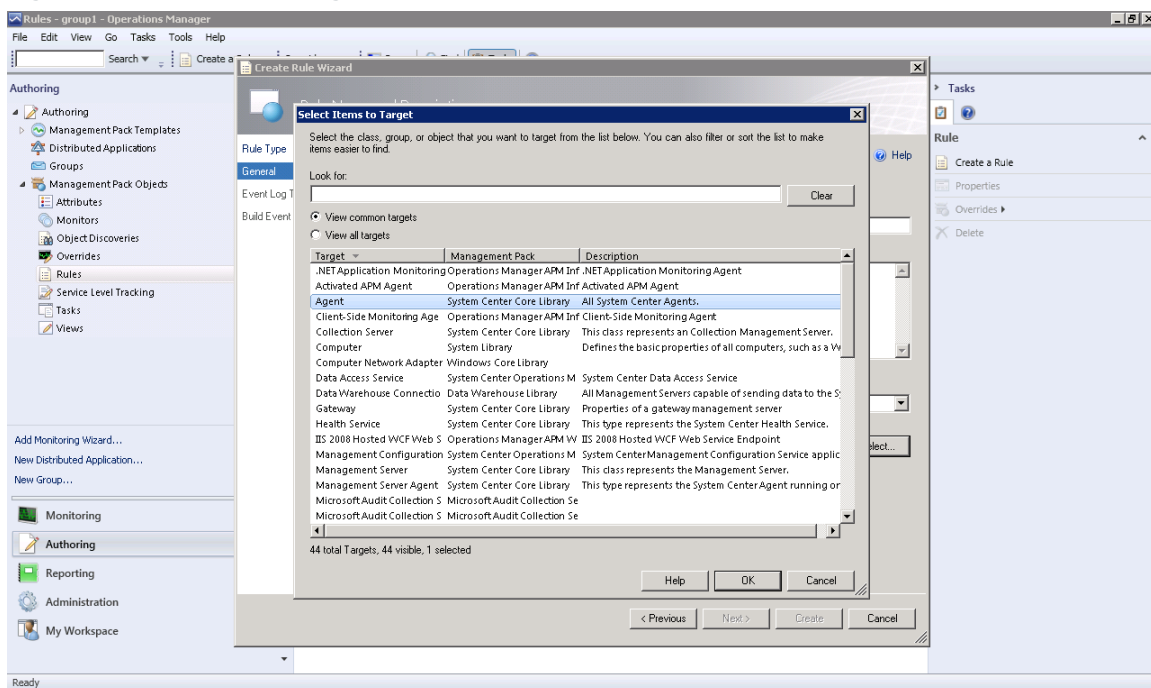
- Enter the Rule name and an optional Description for the new rule.

Figure 4) Rule Name and Description interface.



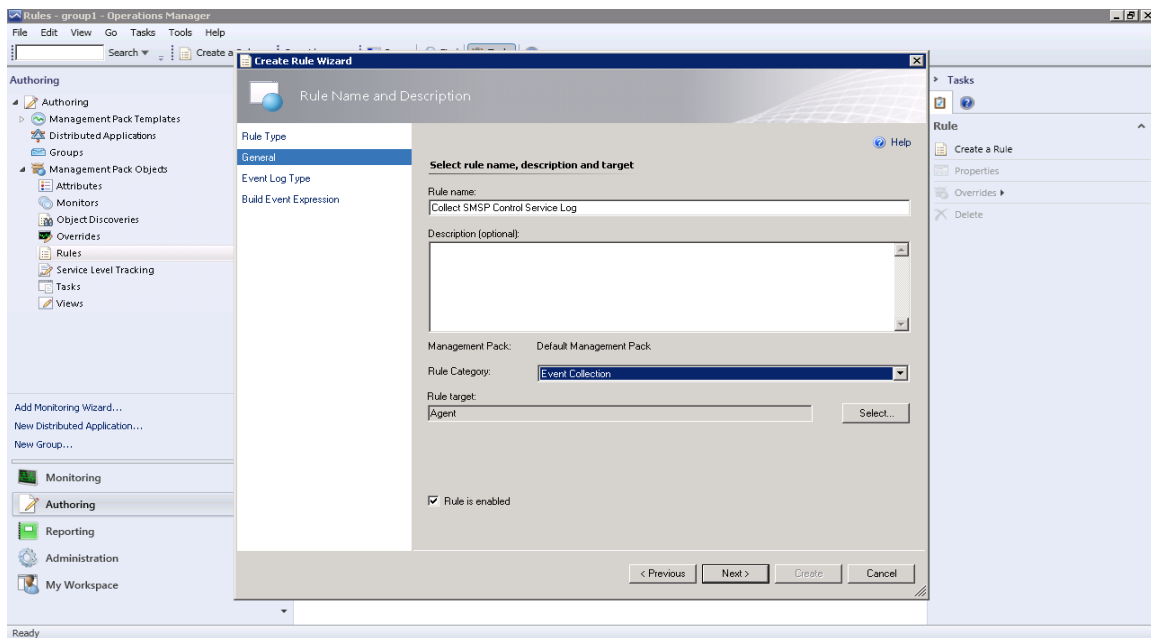
5. Before selecting items to target, click Select to the right of the Rule target field.

Figure 5) Select Items to Target interface.



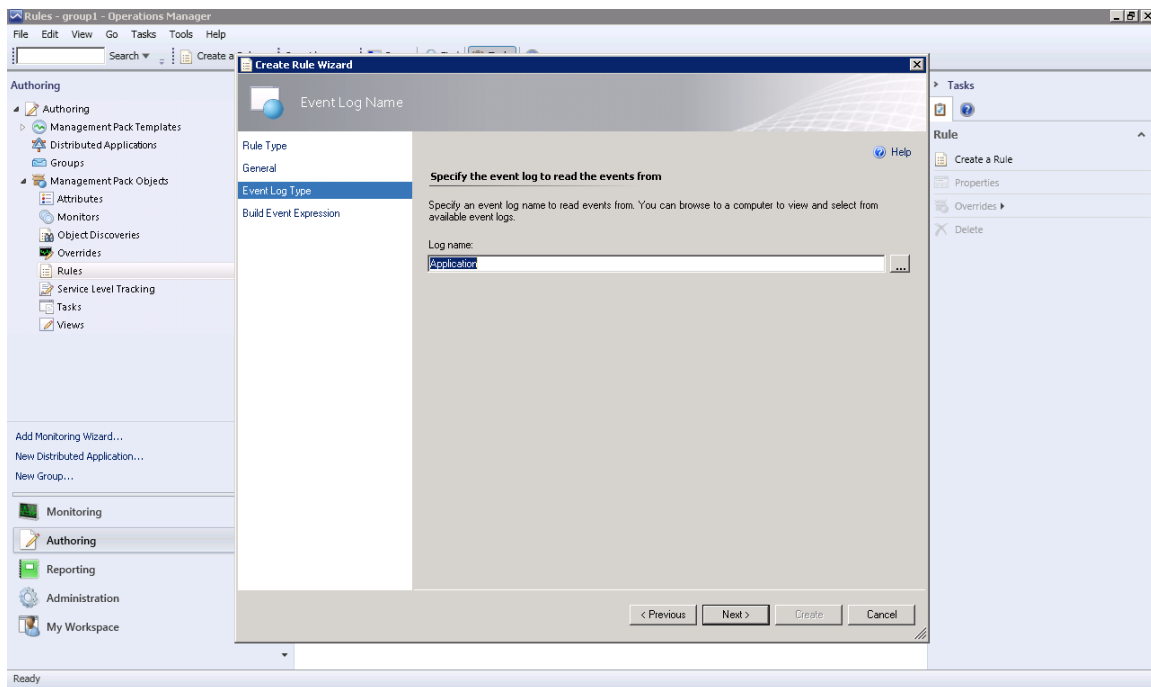
6. In the pop-up window, select the item that you want to target. In this case, select Agent and click OK.
7. Make sure the Rule is enabled checkbox is selected. Then select Event Collection in the Rule Category and click Next.

Figure 6) Selecting Rule is enabled.



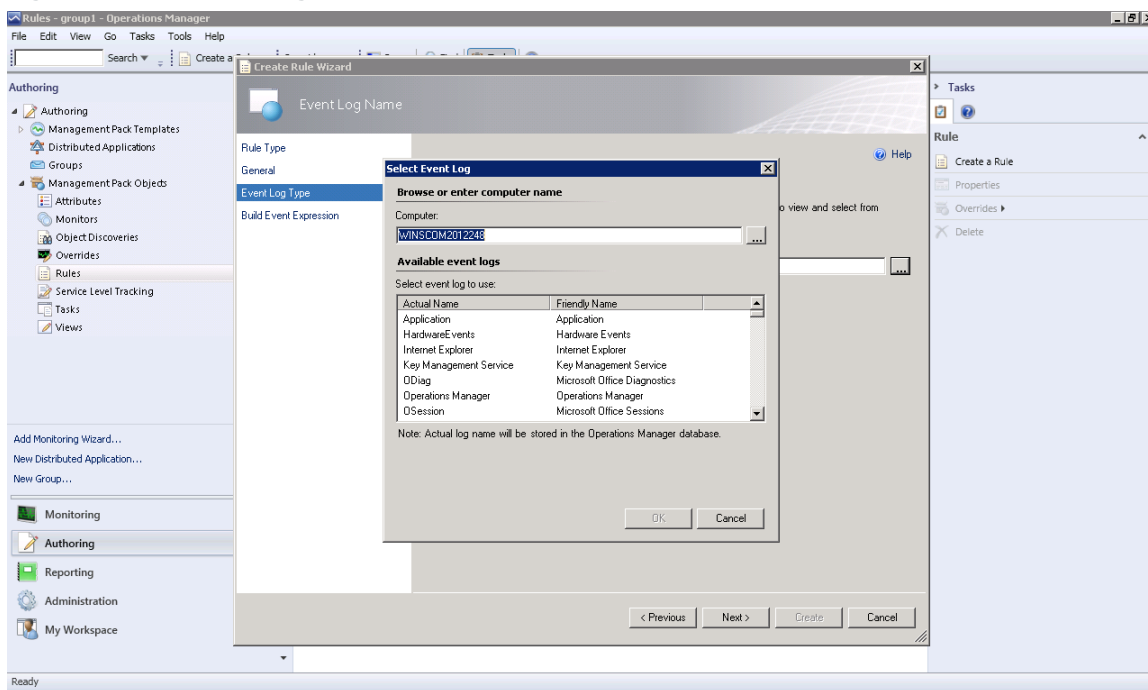
8. Click the ... button located to the right of the Log name textbox.

Figure 7) Browse to the event log.



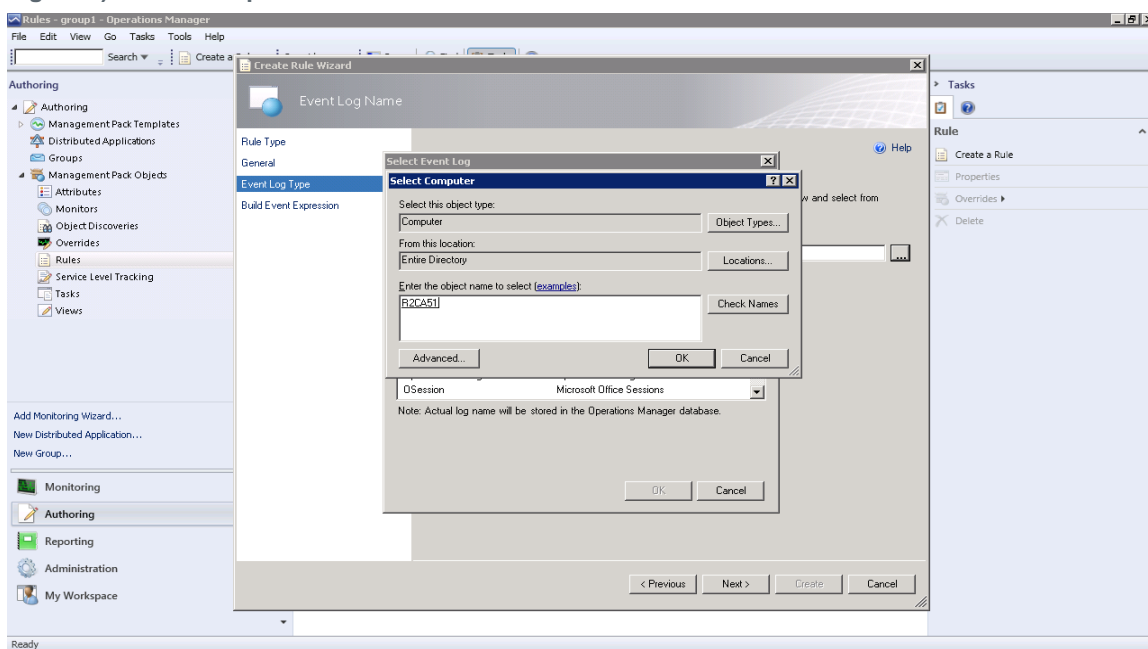
9. In the Select Event Log pop-up window, click the ... button to the right of the Computer text box. The Select Computer window appears.

Figure 8) Select Event Log interface.



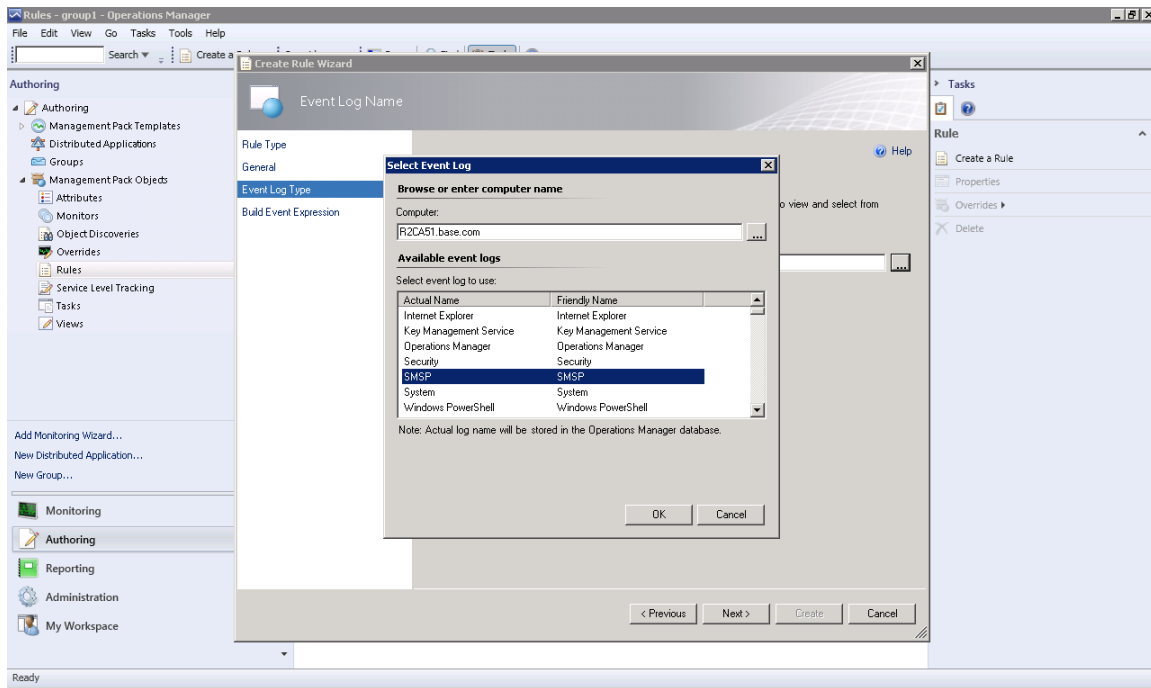
10. Enter the machine name in the Enter the object name to select text box and click the Check Names button to verify the machine name. Click OK to save the configuration and return to the Select Event Log window.

Figure 9) Select Computer interface.



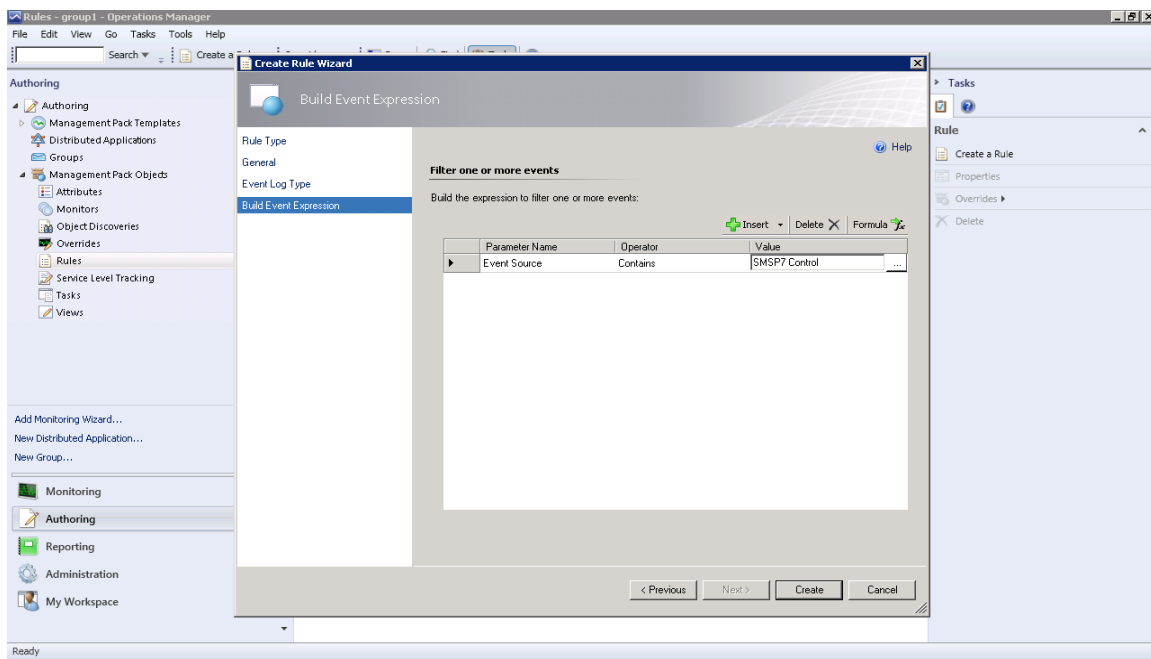
11. In the Select Event Log window, select the SMSP Event Log SMSP in the Select event log to use field. Click OK to save the configuration and return to the Create Rule Wizard. Click Next.

Figure 10) Select Event Log interface.



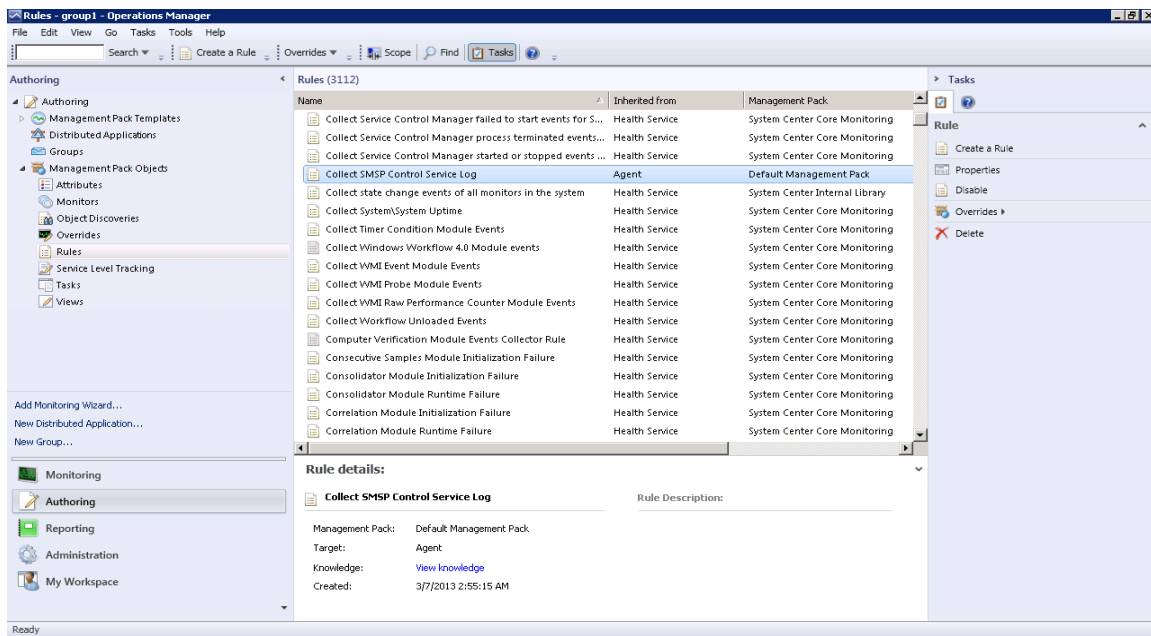
- Configure the expression of the rule. In this case, to collect all of the SMSP 7 Control Service event logs, configure the expression as Event Source Contains SMSP 7 Control. Click Next. Refer to [Error! Reference source not found.](#), [Error! Reference source not found.](#), and [Error! Reference source not found.](#) for more information.

Figure 11) Build Event Expression interface.



- Click Create to create the new rule. The rule is displayed in the Rules panel.

Figure 12) Rules interface.



3 Using the Created Collection Rule

To view the SMSP event logs collected by your configured collection rule, refer to the steps below.

1. In the SCOM interface, navigate to the Monitoring pane, right-click in the blank area, and select New > Folder. Create a new folder named SMSP 7 Test using the default options. Right-click on this folder and click New > Event View to create a new event view.

Figure 13) Monitoring pane.

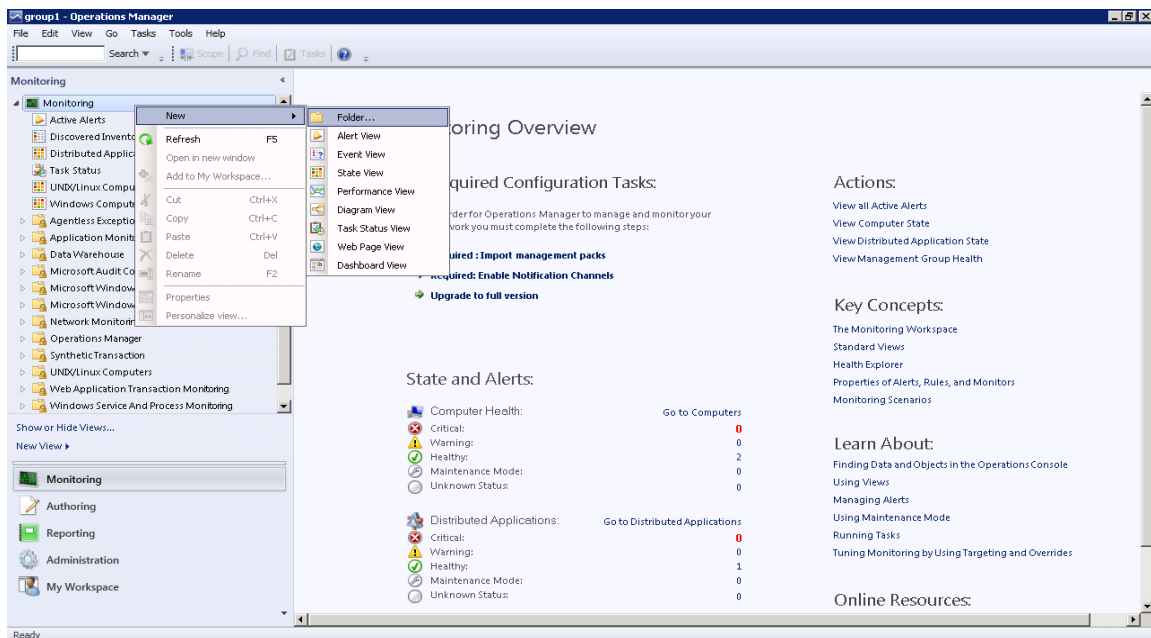


Figure 14) Create New Folder interface.

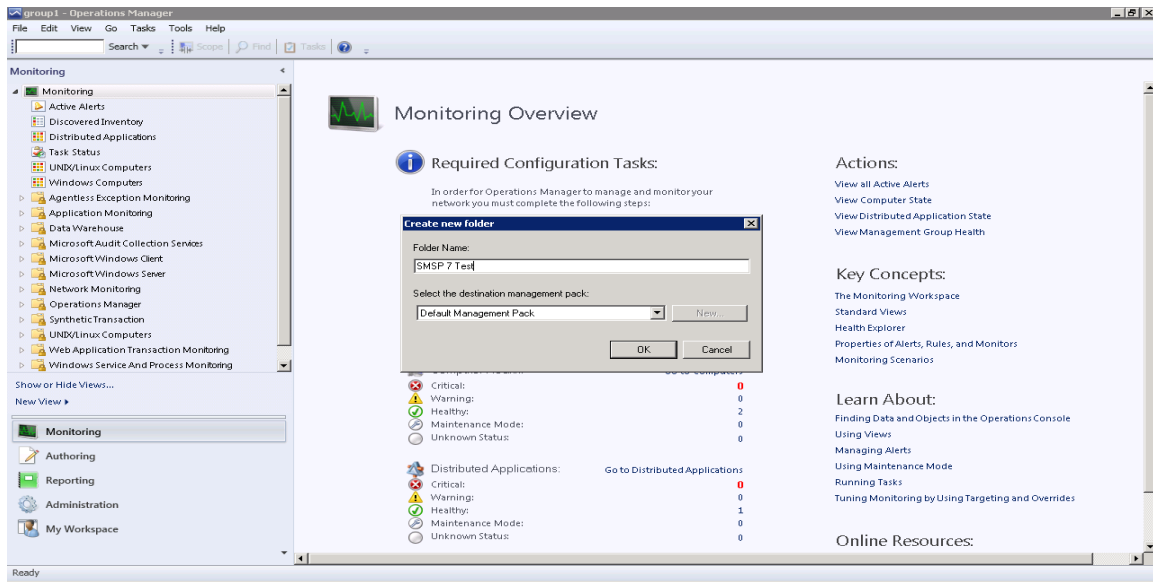


Figure 15) Monitoring Overview.

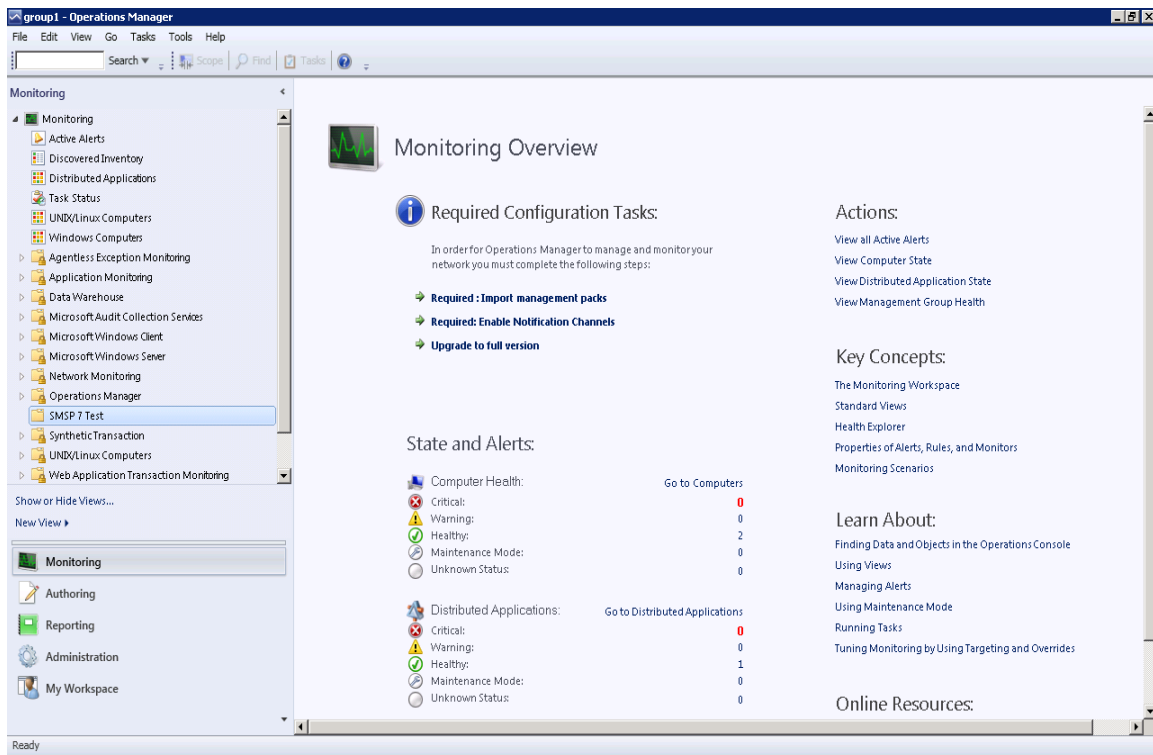
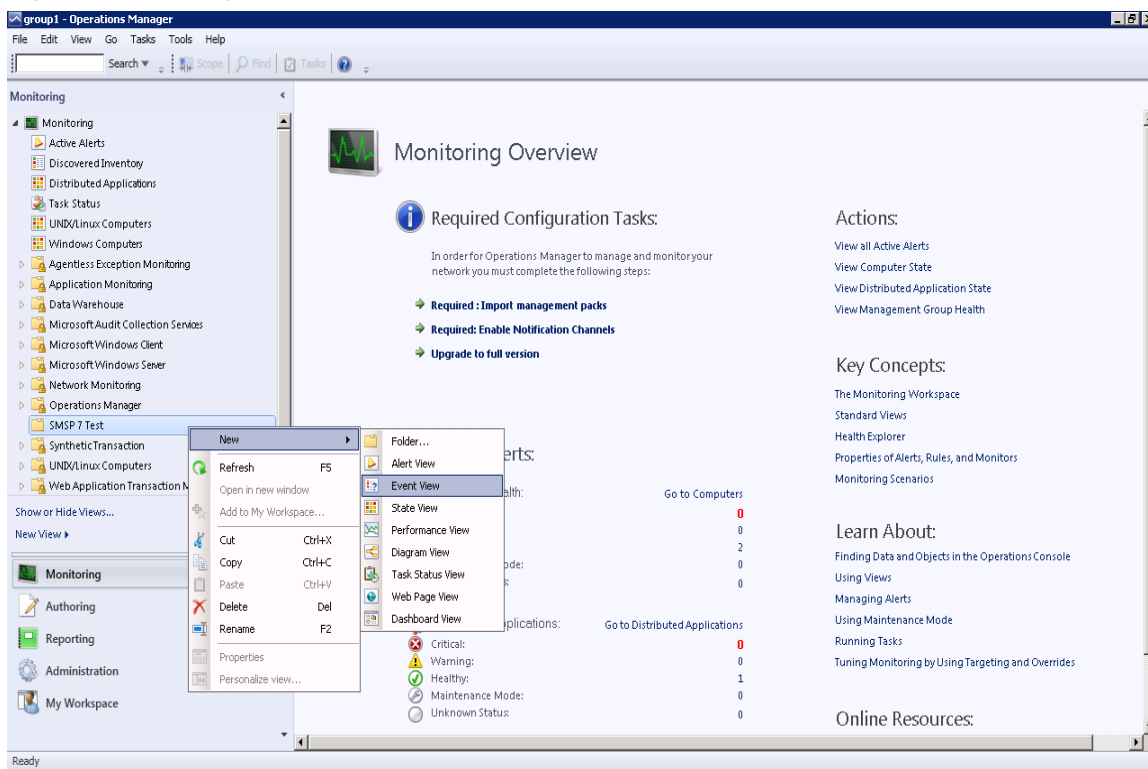
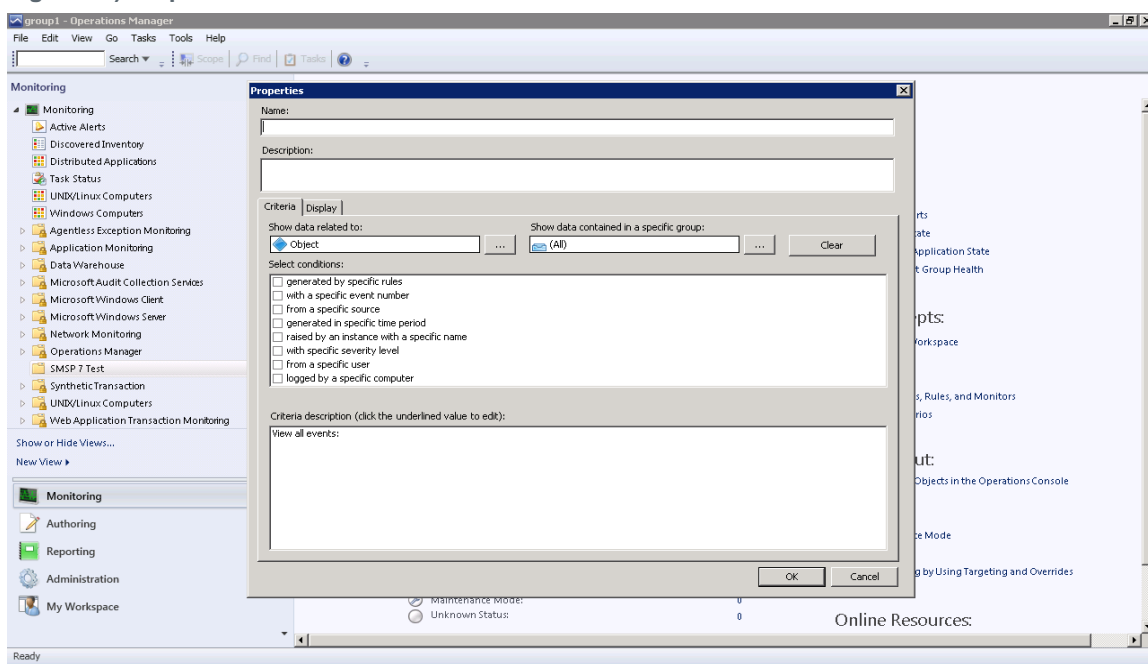


Figure 16) Selecting event view.



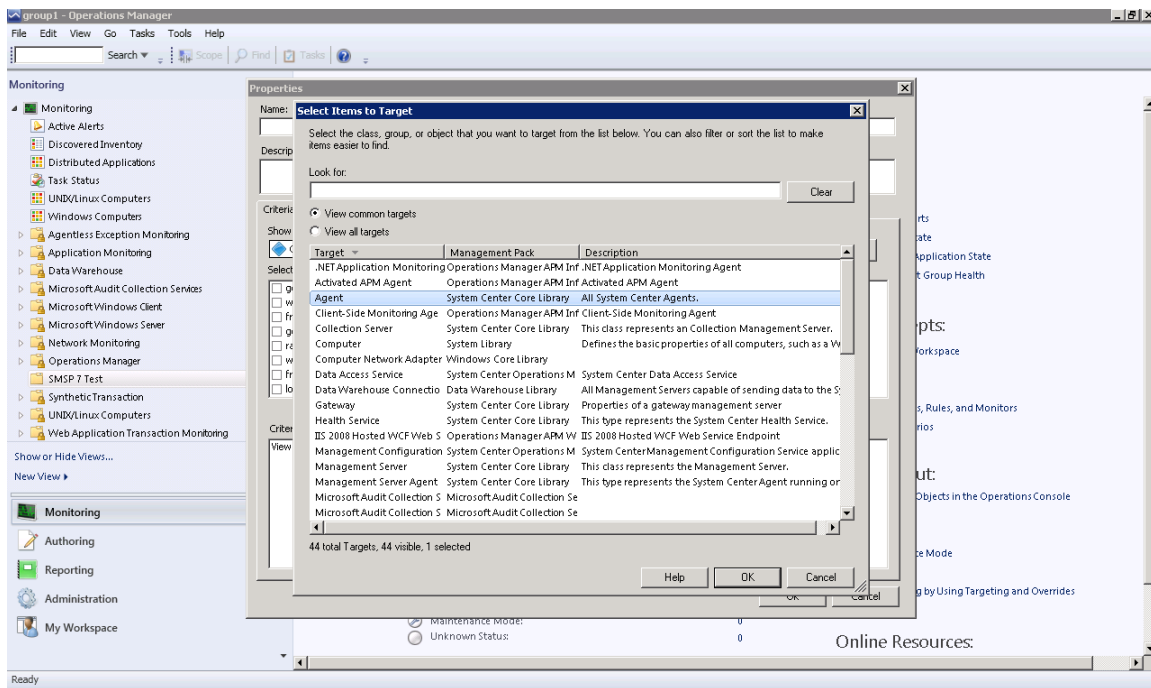
2. In the Properties pop-up window, enter a Name and an optional Description for this event view. Then click the ... button to the right of the Show data related to field. The Select Items to Target window appears.

Figure 17) Properties interface.



- In the Select Items to Target window, select Agent as the target and click OK to return to the Properties window.

Figure 18) Select Items to Target window.



- Click the ... button to the right of the Show data contained in a specific group field. In the Select Object window, select Operations Manager Agent Managed Computer Group and click OK to return to the Properties window.

Figure 19) Select object.

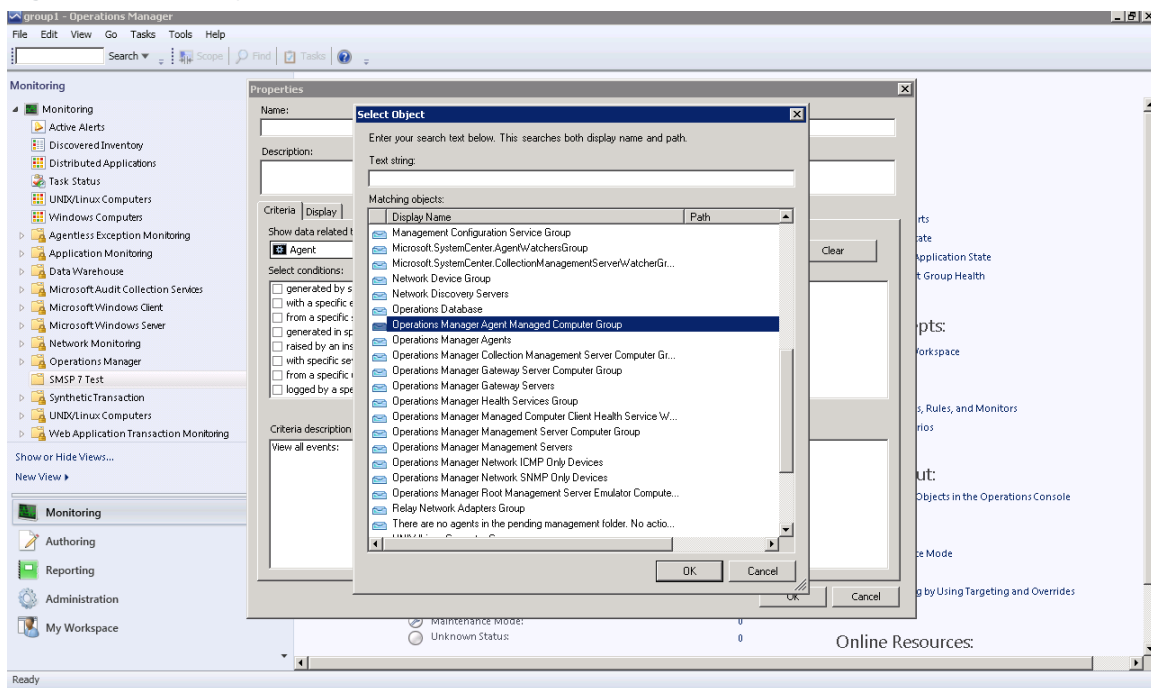
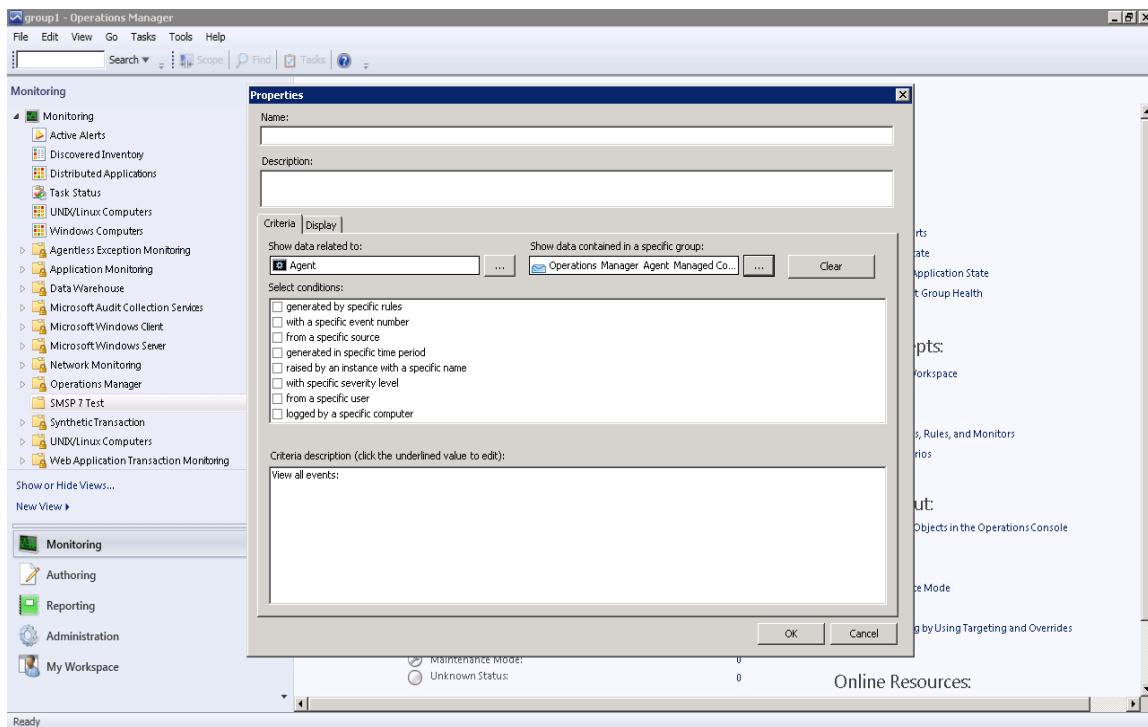
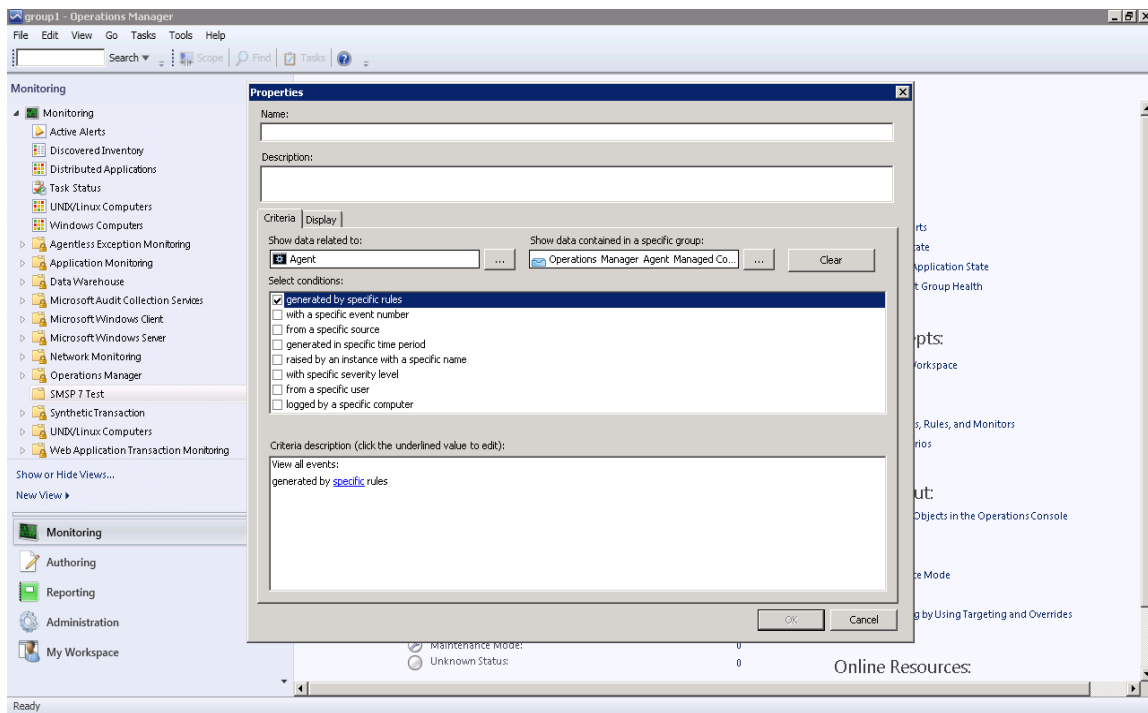


Figure 20) Back to Properties interface.



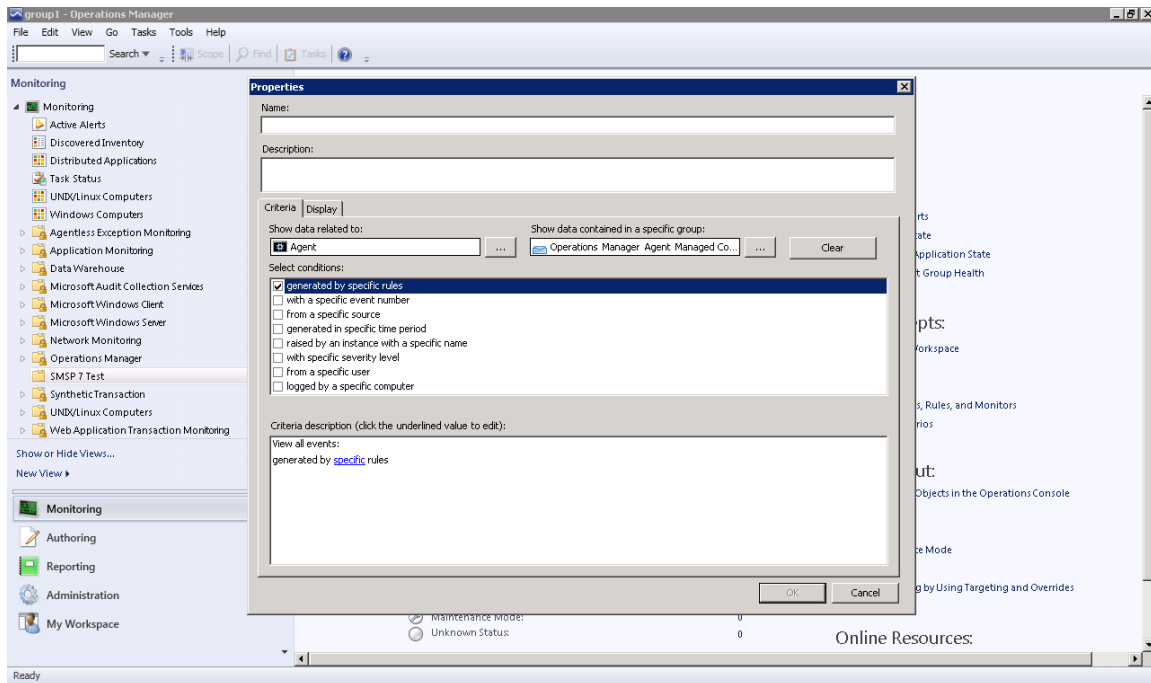
5. Check generated by specific rules in the Select conditions section.

Figure 21) Selecting generated by specific rules.



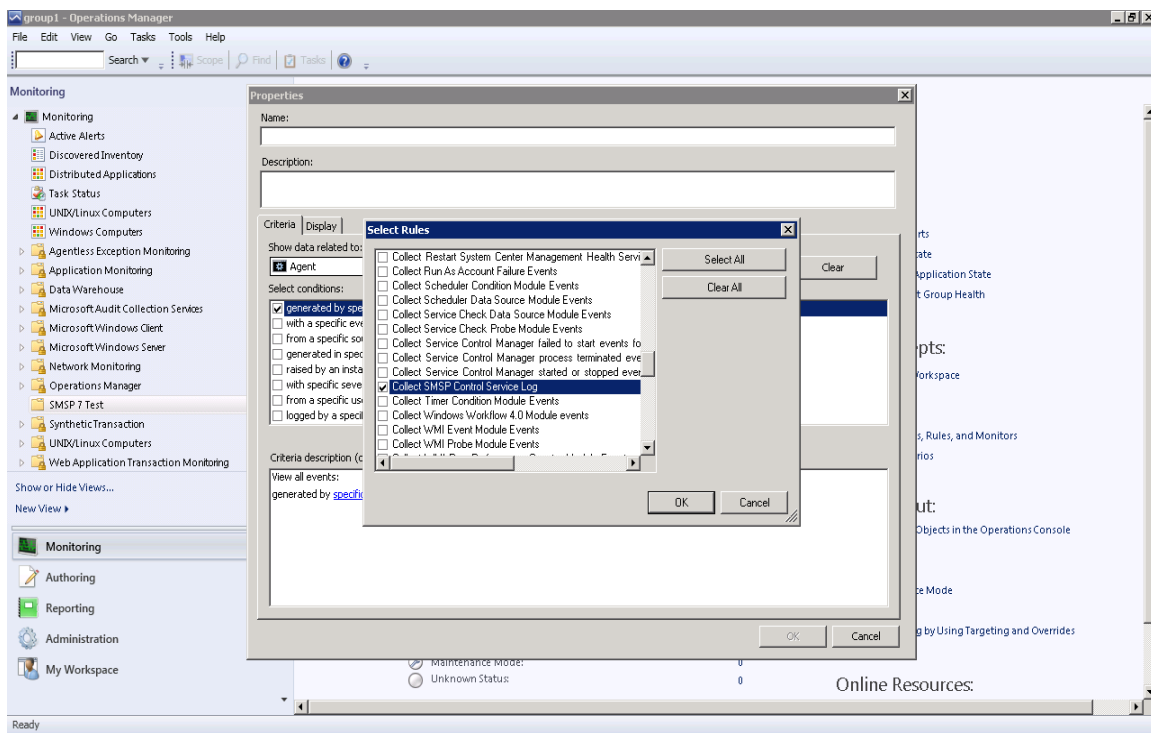
6. Click specific in Criteria description (click the underlined value to edit).

Figure 22) Selecting specific.



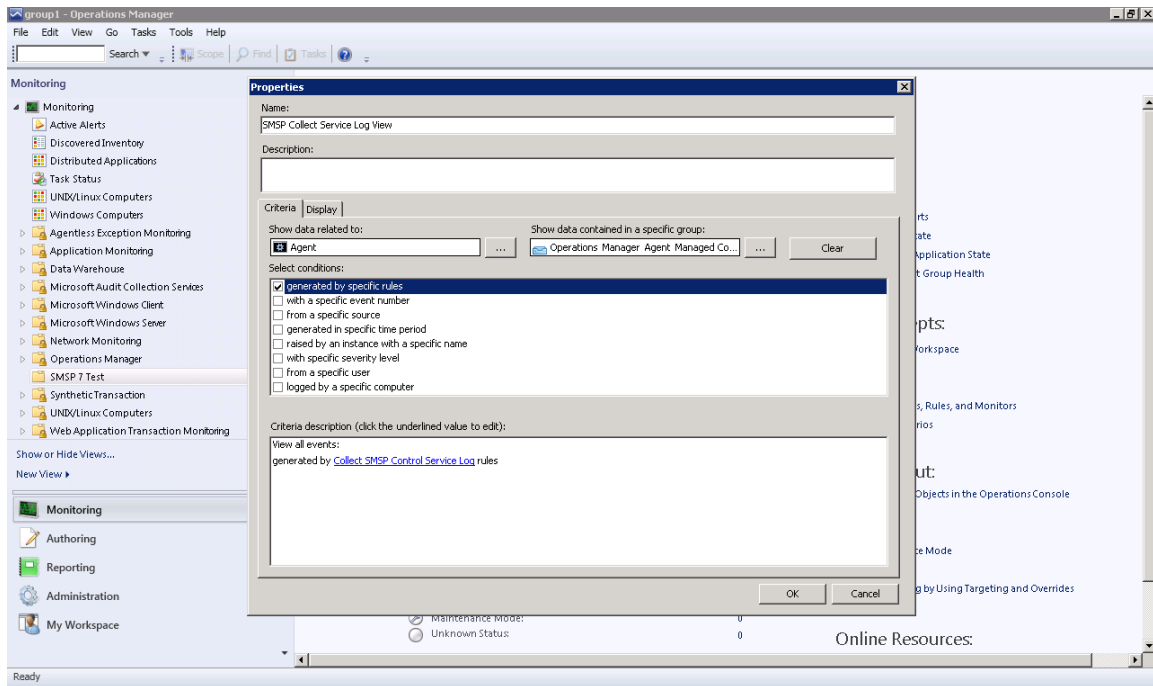
7. Select the Collect SMSP Control Service Log rule and click OK.

Figure 23) Selecting the Collect SMSP Control Service Log rule.



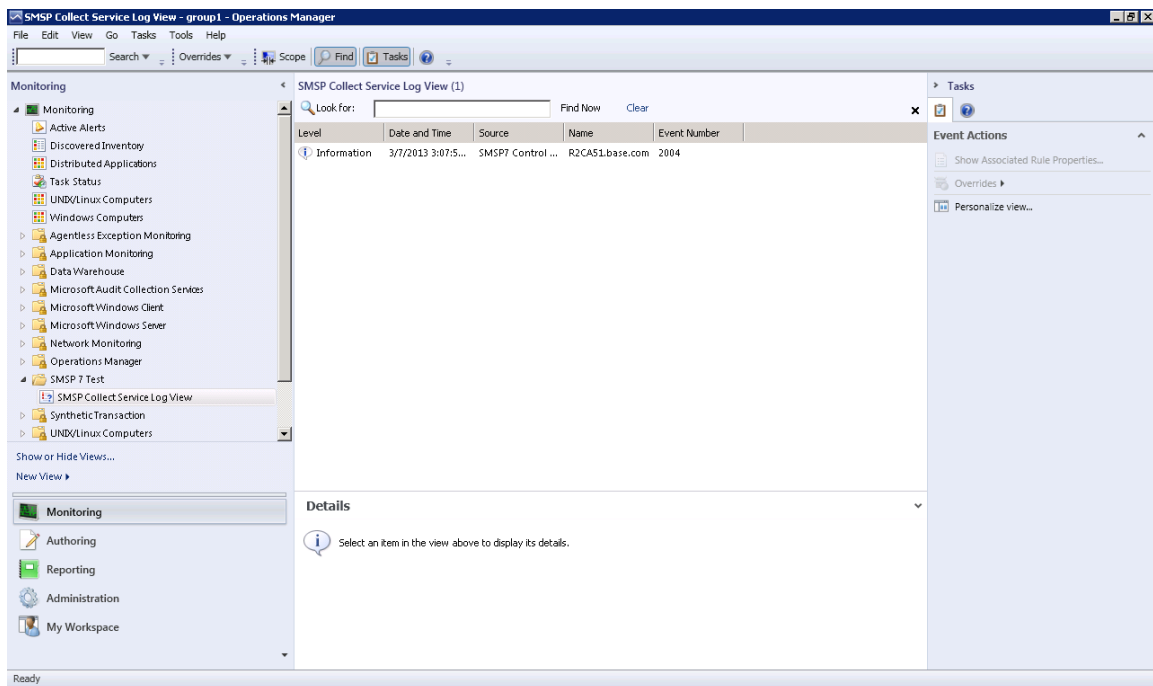
8. Input Name and click OK to finish creating the event view.

Figure 24) Input name for creating the event view.



9. The event logs for the previously run job now show in the newly created event view, as shown below.

Figure 25) Displaying event logs.

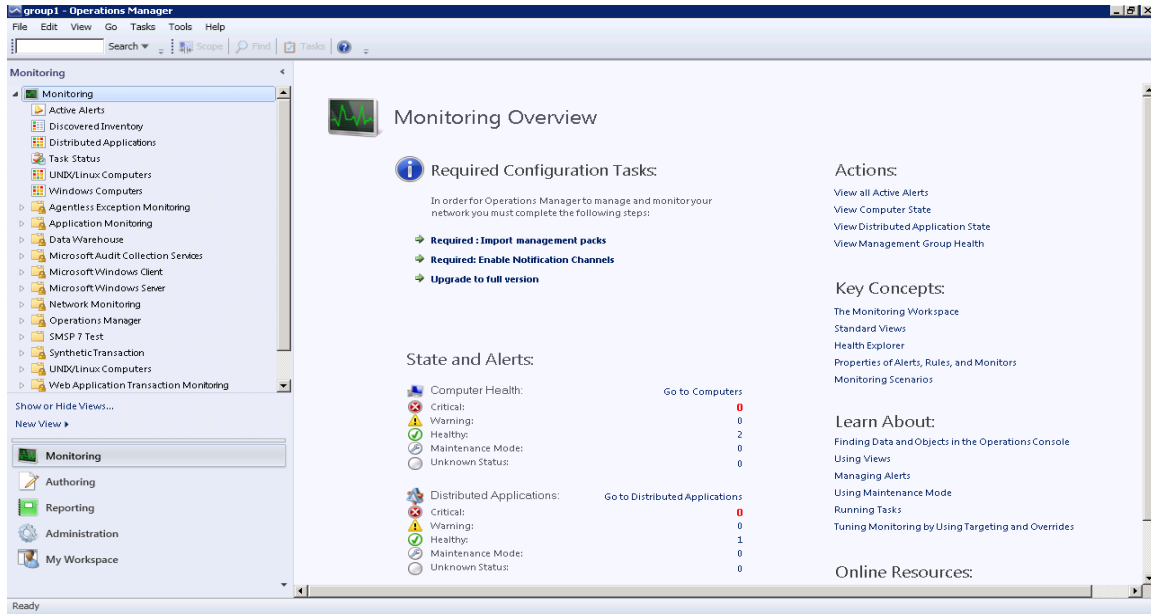


4 Configuring the Alert Rule

To generate alerts in SCOM, specify an alert rule, as described below.

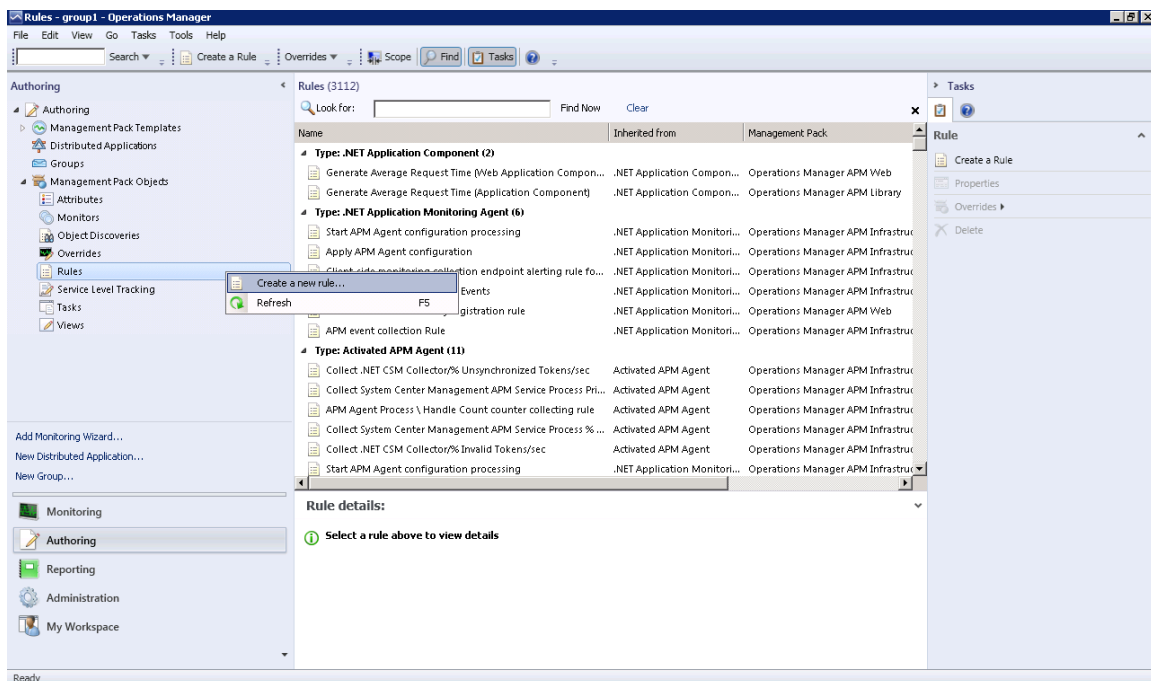
1. Navigate to the System Center Operations Manager 2012 interface.

Figure 26) System Center Operations Manager 2012.



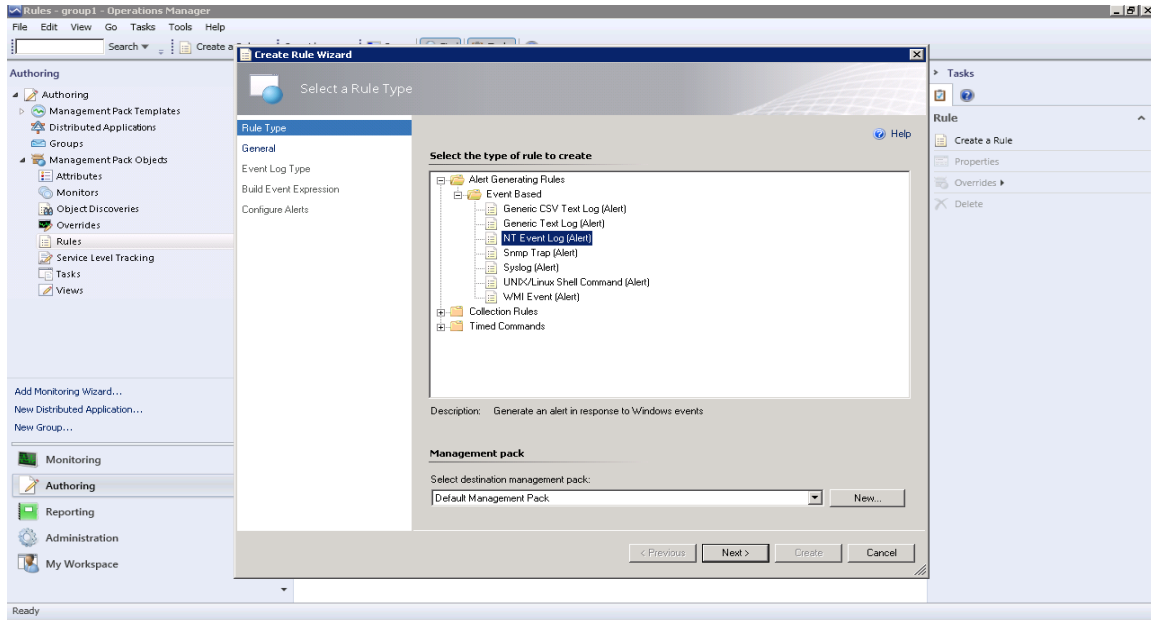
2. Navigate to Authoring > Management Pack Objects and right-click Rules.

Figure 27) Management Pack objects.



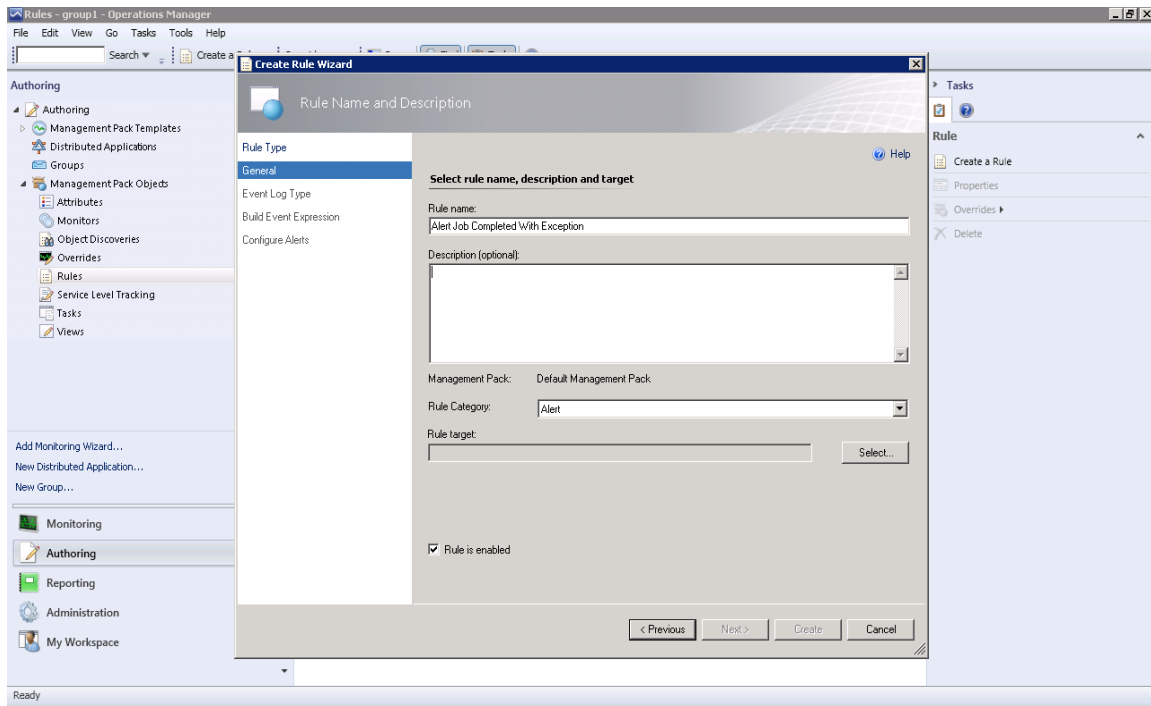
3. Click Create a new rule and the Create Rule Wizard appears.

Figure 28) Create Rule Wizard.



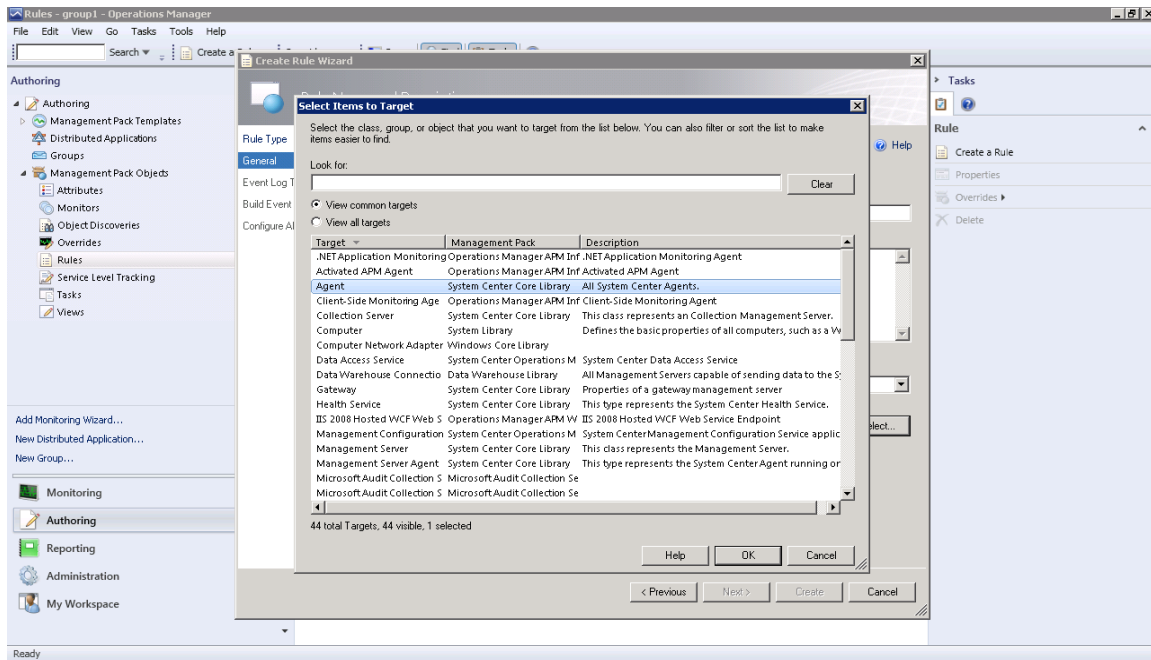
4. In the Select type of rule to create field, expand the tree and select Collection Rules > Alert Generating Rules > NT Event Log (Alert) as the rule type. In the Management Pack field, select Default Management Pack.
5. Click Next and enter the Rule name and an optional Description for the new rule.

Figure 29) Rule Name and Description interface.



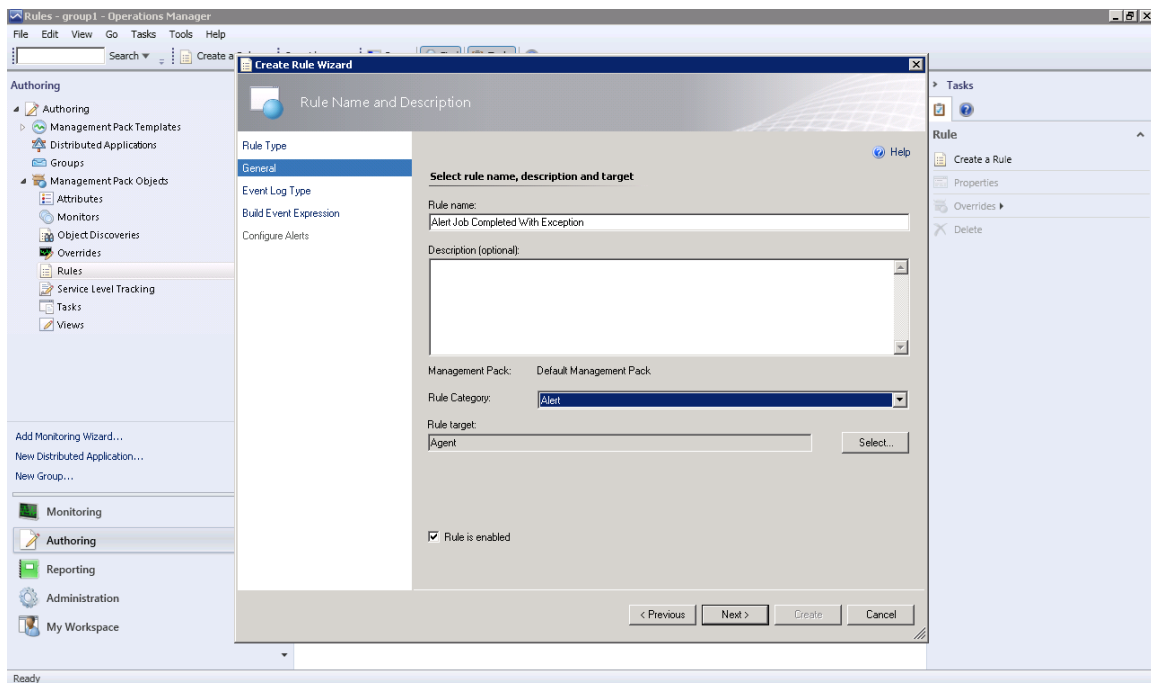
- Click the Select button to the right of the Rule target field.

Figure 30) Select Items to Target interface.



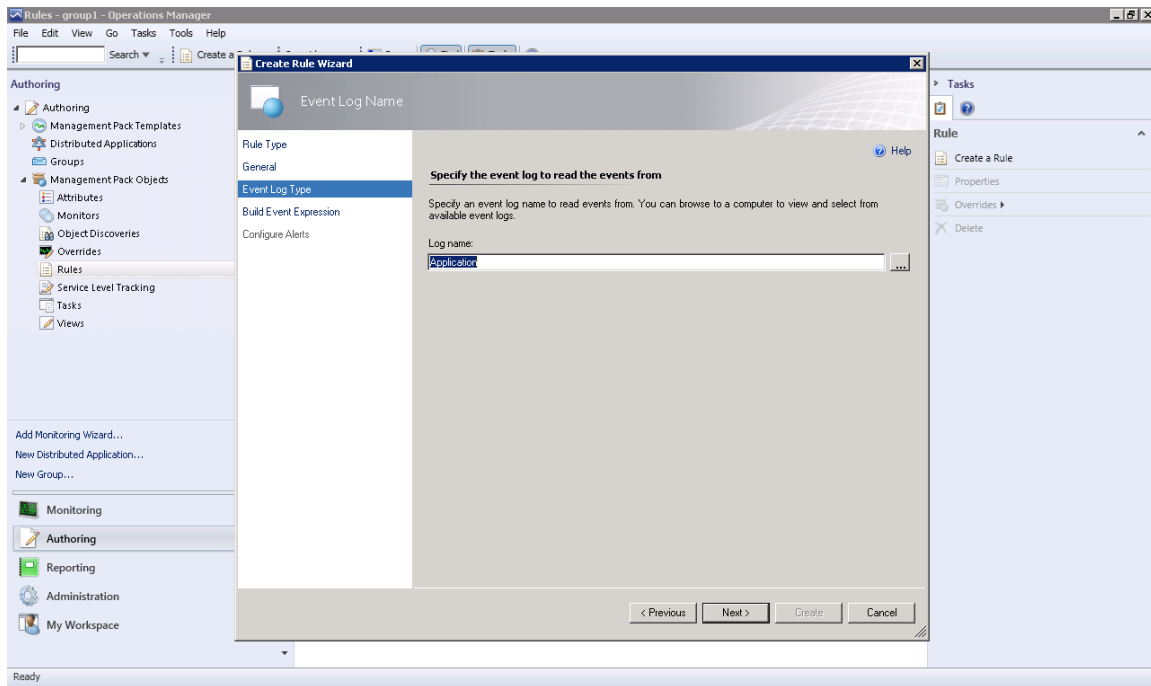
- Select the item you want to target. In this case, select Agent and click OK.
- Make sure that the Rule is enabled checkbox is selected, select Alert as the Rule Category, and click Next.

Figure 31) Selecting Rule is enabled.



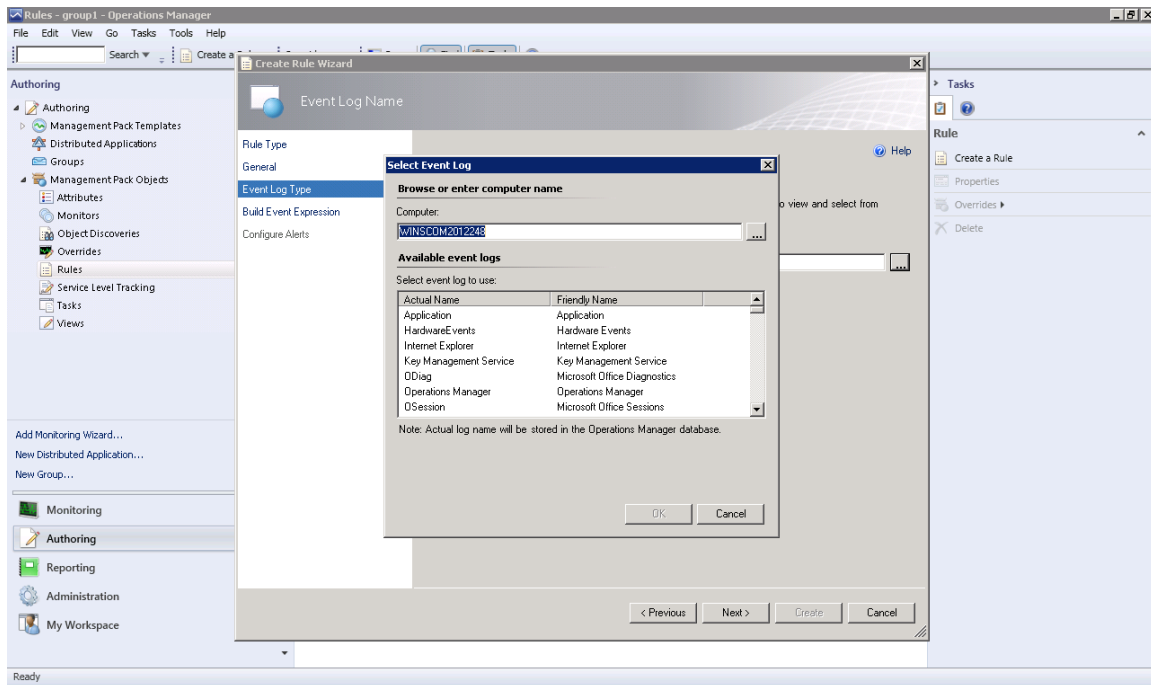
- Click the ... button to the right of the Log name text box. Click Next.

Figure 32) Event Log Name interface.



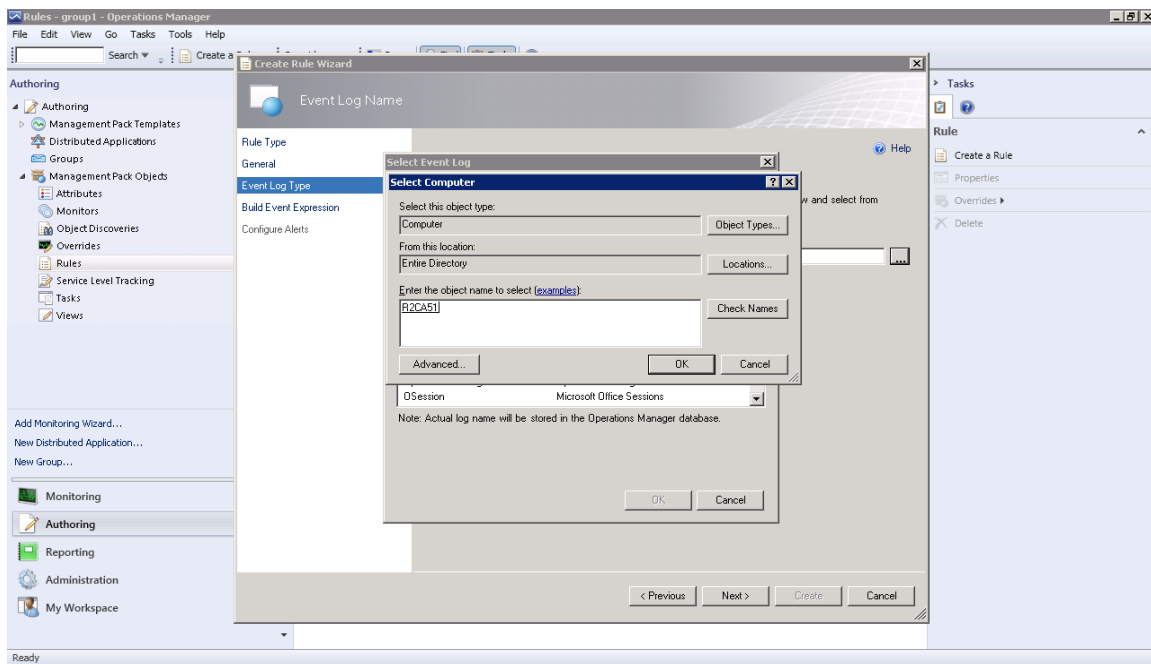
10. In the pop-up window, click the ... button to the right of the Computer text box. The Select Computer window appears.

Figure 33) Select Event Log interface.



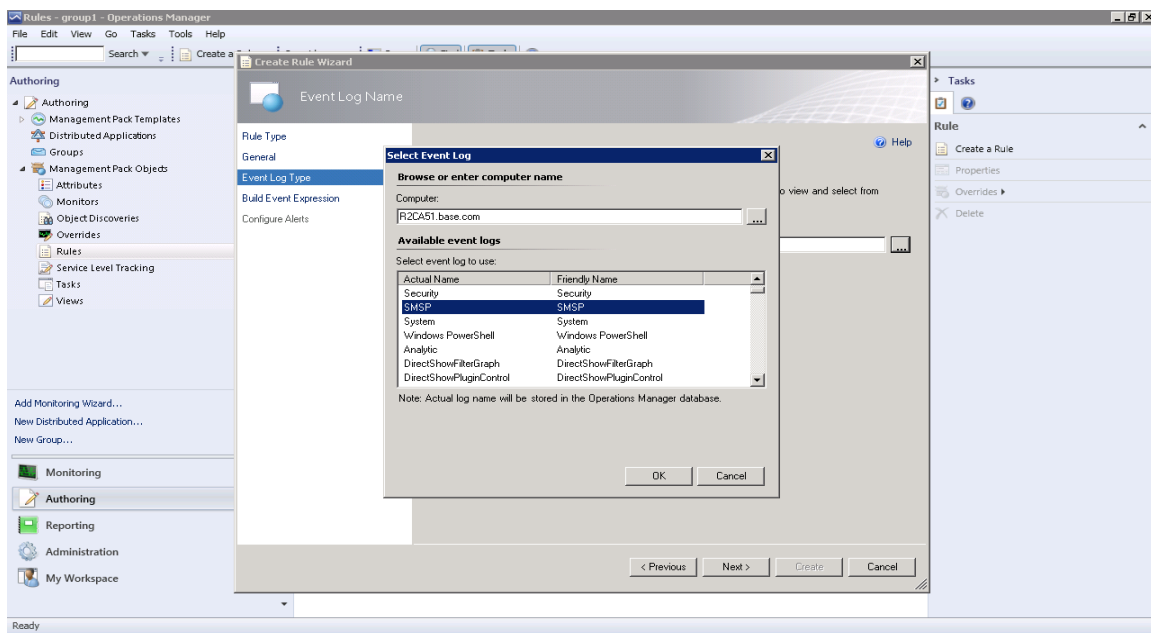
11. Enter the machine name in the Enter the object name to select text box and click Check Names to verify the machine name. Click OK to save the configuration and return to the Select Event Log window.

Figure 34) Select Computer interface.



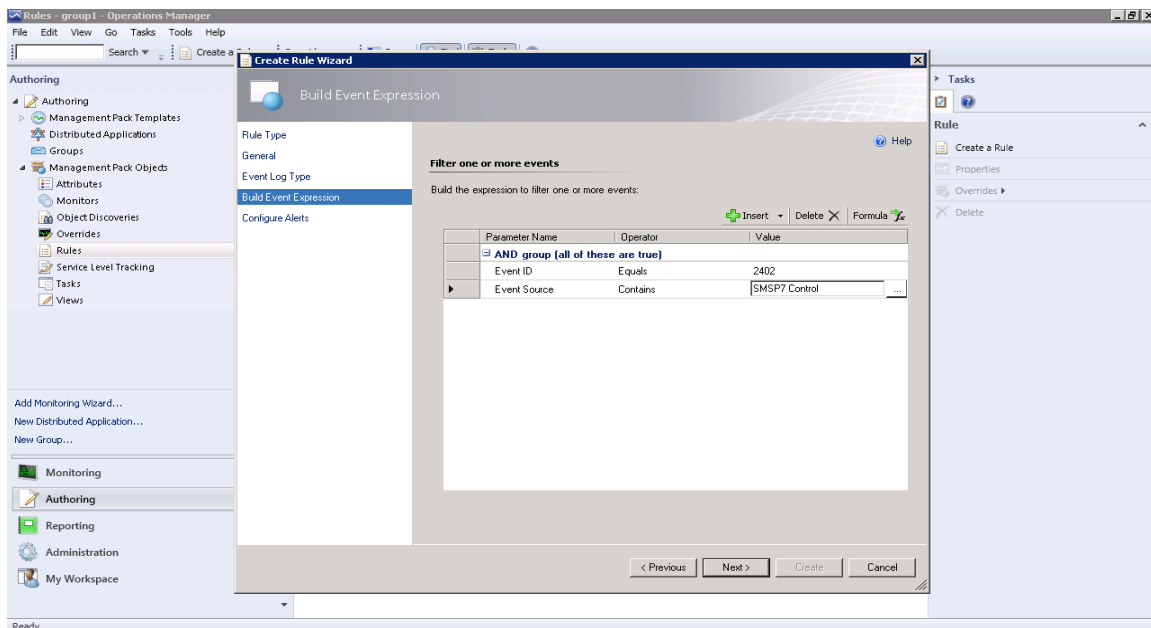
12. In the Select Event Log window, select the SMSP Event Log SMSP in the Select event log to use field. Click OK to save the configuration and return to the Create Rule Wizard. Click Next.

Figure 35) Select event log to use.



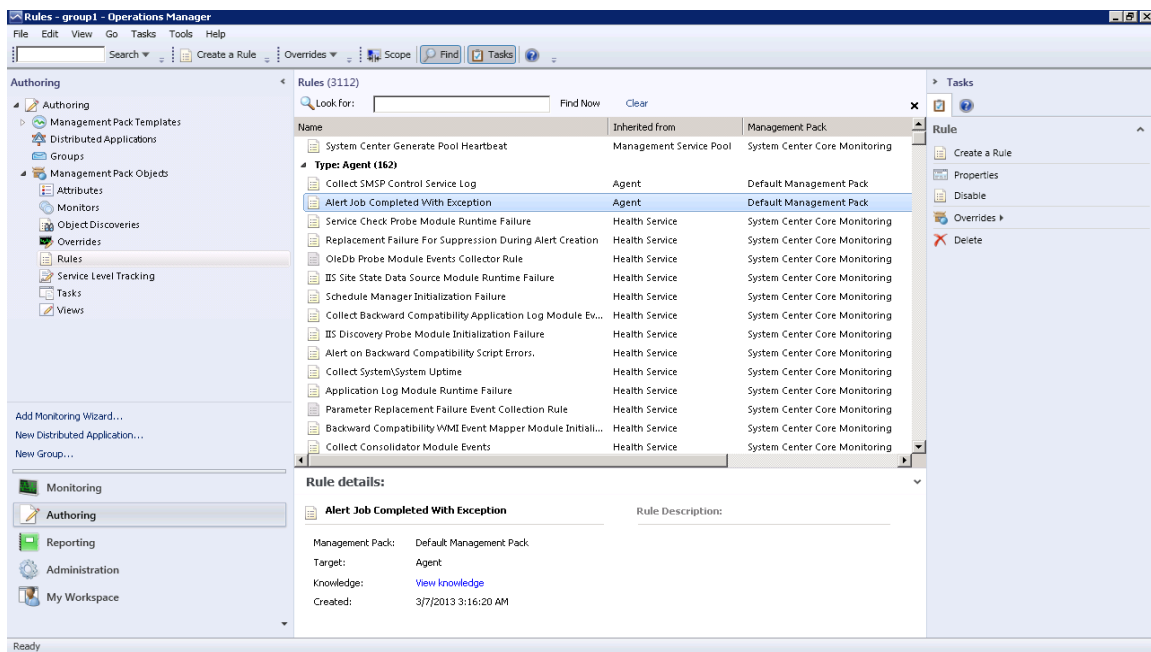
13. Configure the expression of the rule. In this case, to collect all the event logs with the Finished with Exception status, configure the expression as Event Id Equals 2402 and Event Source Contains SMSP 7 Control. Click Next. Refer to [Error! Reference source not found.](#), [Error! Reference source not found.](#), and [Error! Reference source not found.](#) for more information.

Figure 36) Build Event Expression interface.



14. Click Create and finish creating the new rule. The rule is displayed in the Rules panel.

Figure 37) Clicking Create to create the rule.

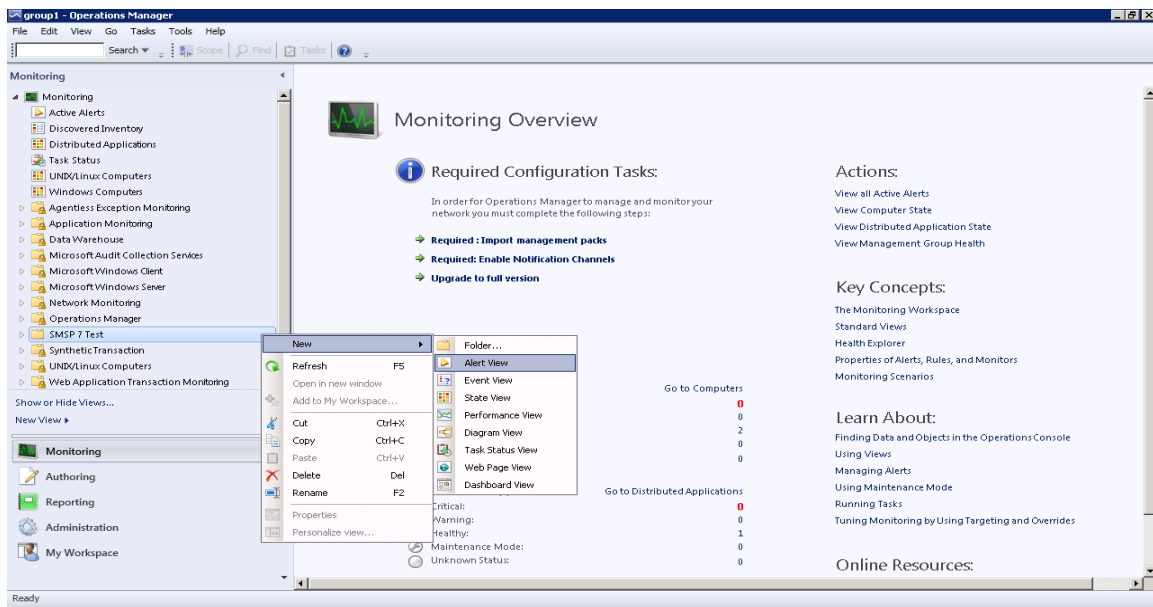


5 Using the Created Alert Rule

To view the alerts generated by your previously configured alert rule, refer to the steps below.

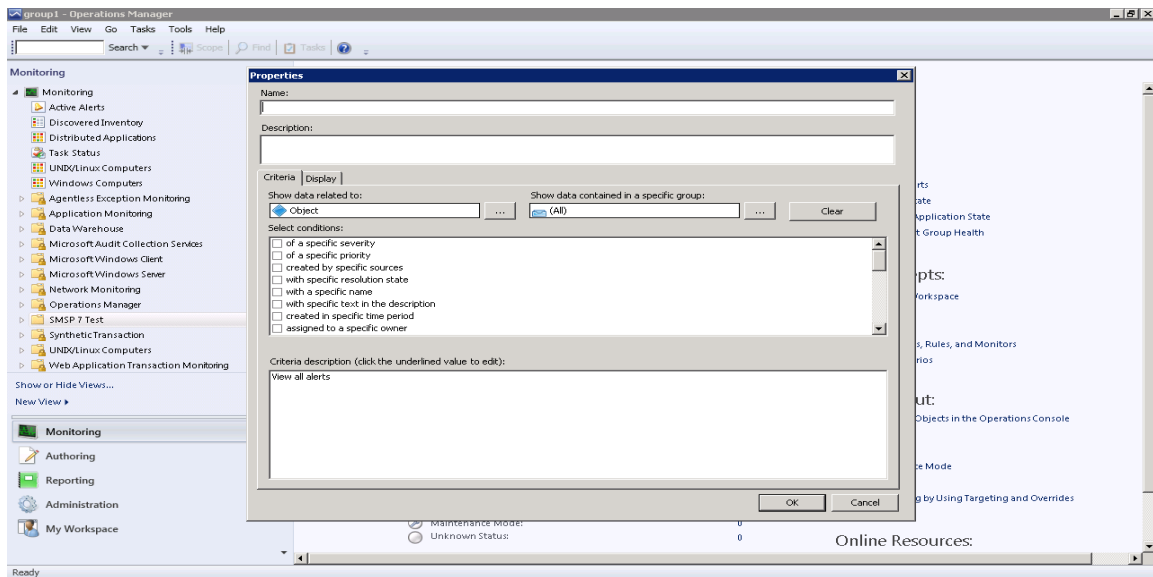
1. In the SCOM interface, navigate to the Monitoring pane, right-click in the blank area, and select New > Folder. Create a new folder named SMSMP 7 Test using the default options. Right-click on this folder and click New > Alert View to create a new alert view.

Figure 38) Navigate to Alert View.



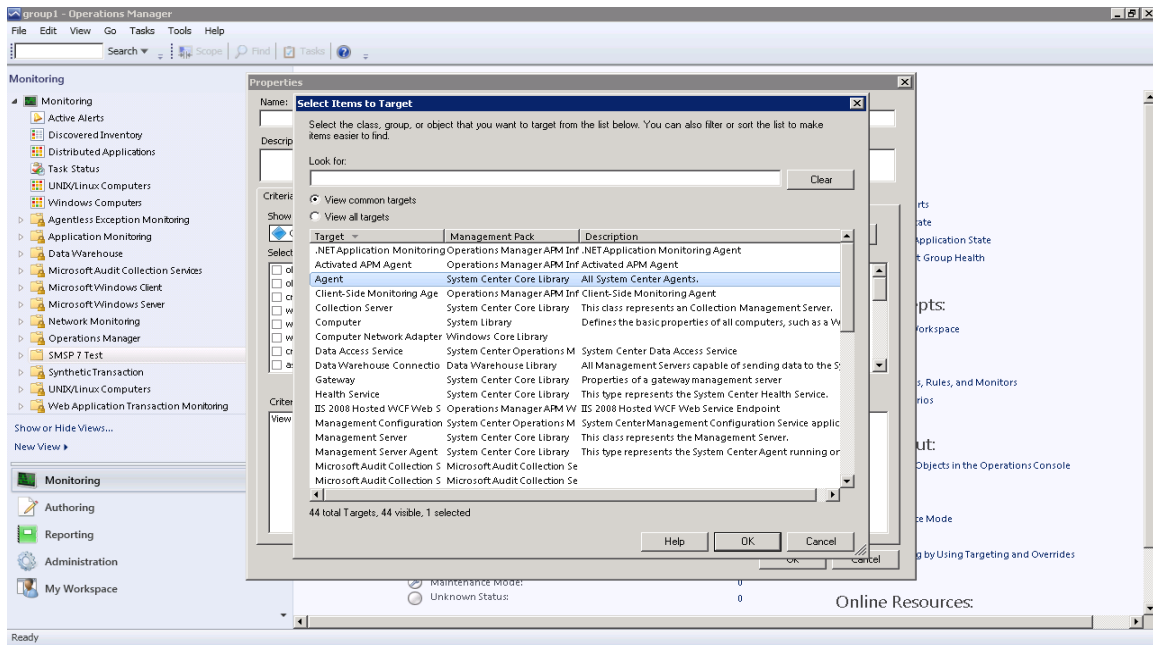
2. In the Properties pop-up window, enter a Name and an optional Description for this alert view. Then click the ... button to the right of the Show data related to text box.

Figure 39) Properties interface.



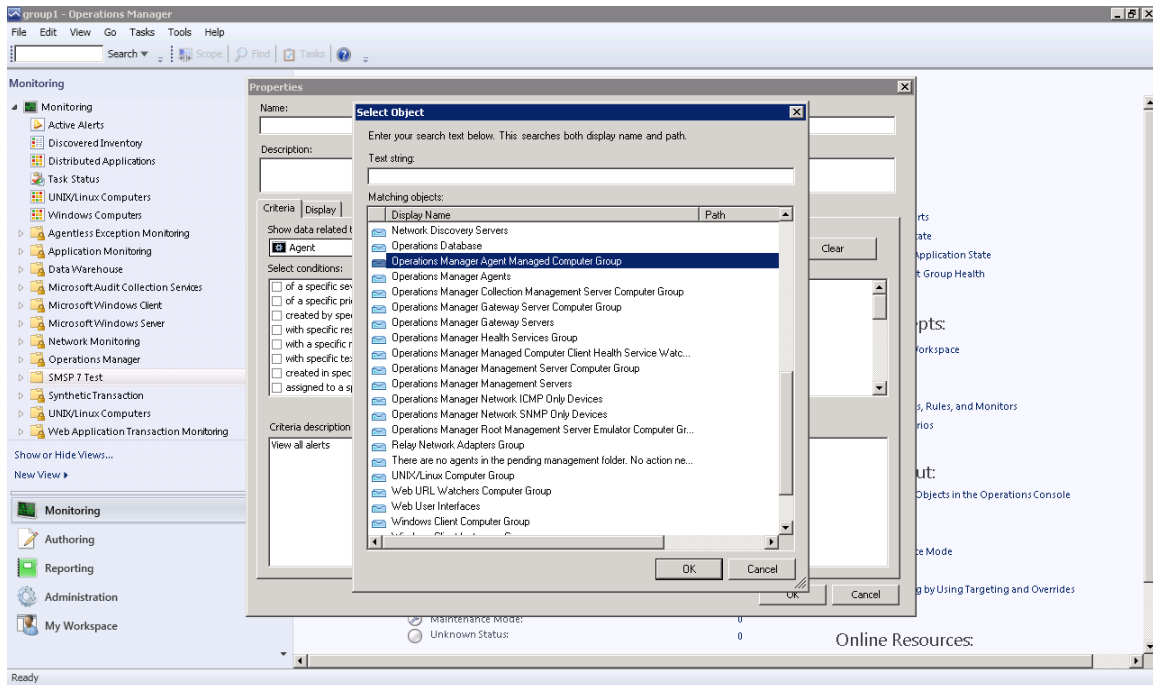
3. In the Select Items to Target window, select Agent as the target and click OK to return to the Properties window.

Figure 40) Select Items to Target interface.



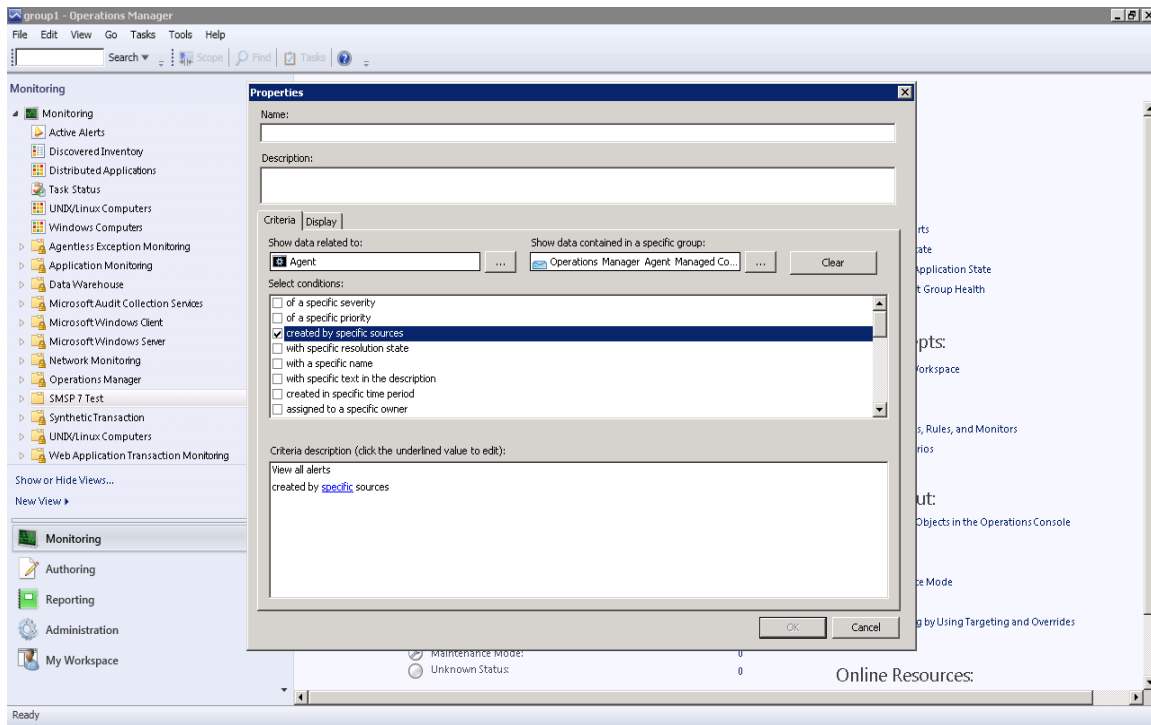
- Click the ... button to the right of the Show data contained in a specific group field. In the Select Object window, select Operations Manager Agent Managed Computer Group and click OK to return to the Properties window.

Figure 41) Select Object interface.



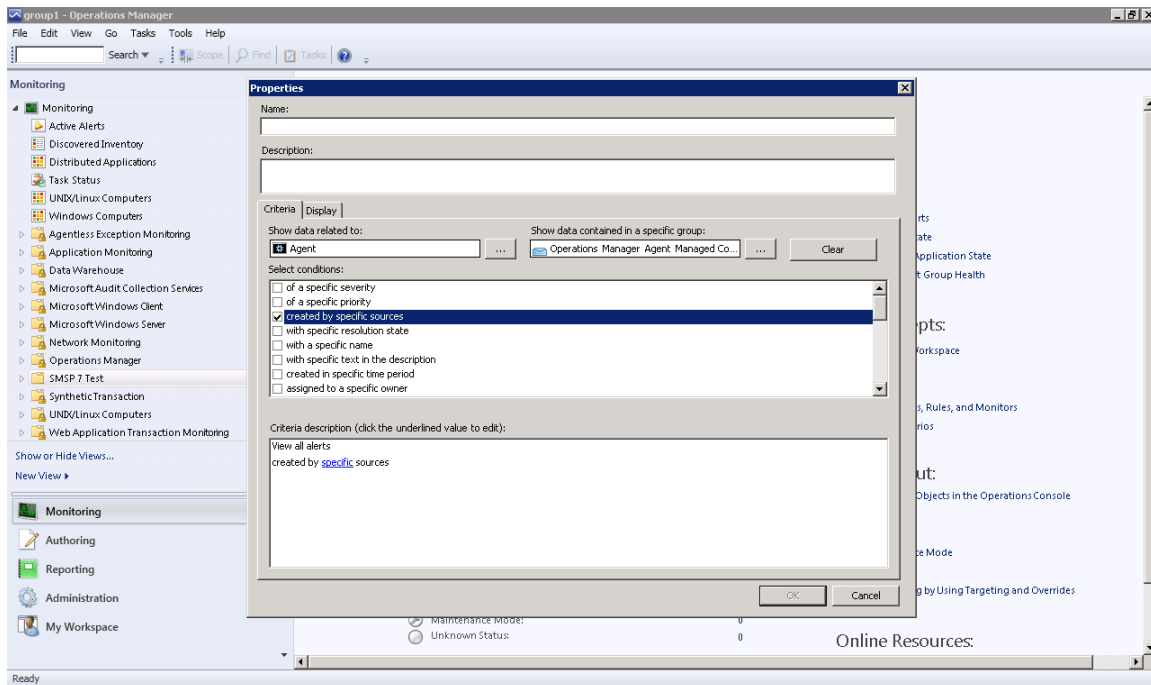
- Check created by specific sources in the Select conditions section.

Figure 42) Selecting a condition.



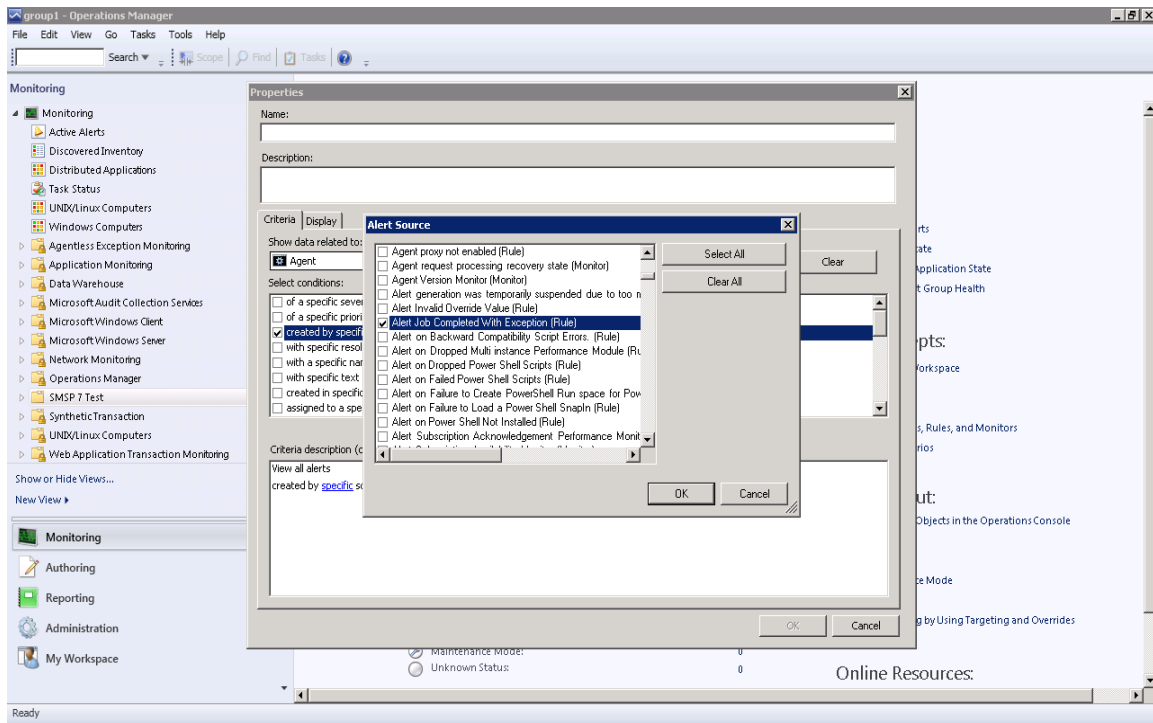
6. Click specific in Criteria description (click the underlined value to edit).

Figure 43) Specifying criteria description.



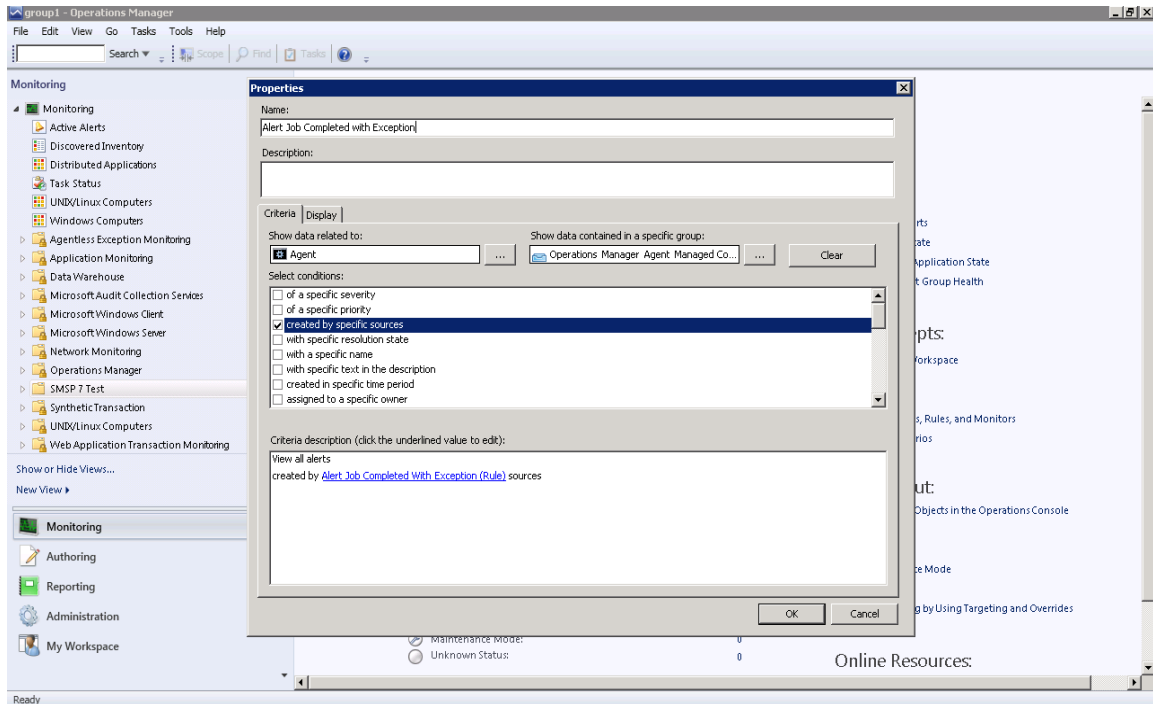
7. Select the Alert Job Completed With Exception (Rule) and click OK.

Figure 44) Alert Source interface.



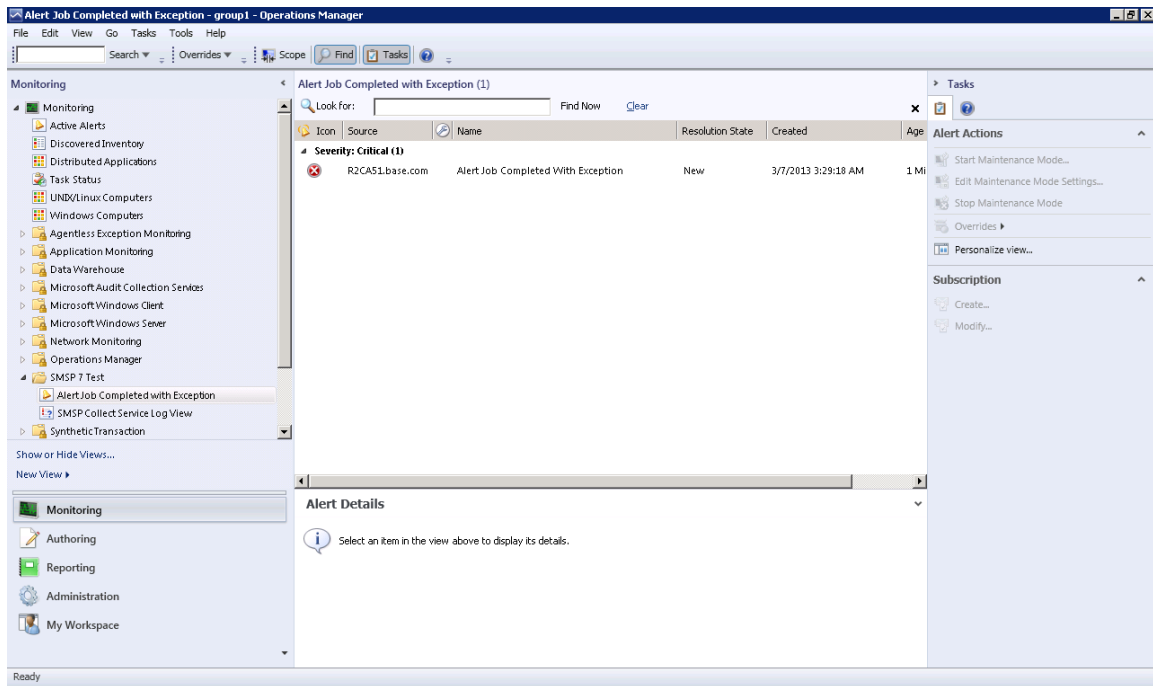
8. Input Name and click OK to finish creating the event view.

Figure 45) Input Name for creating the event view.



9. The alerts for the job finished with exception are shown in the newly created alert view, as shown below.

Figure 46) Viewing alerts for the job finished with exception in the newly created alert view.

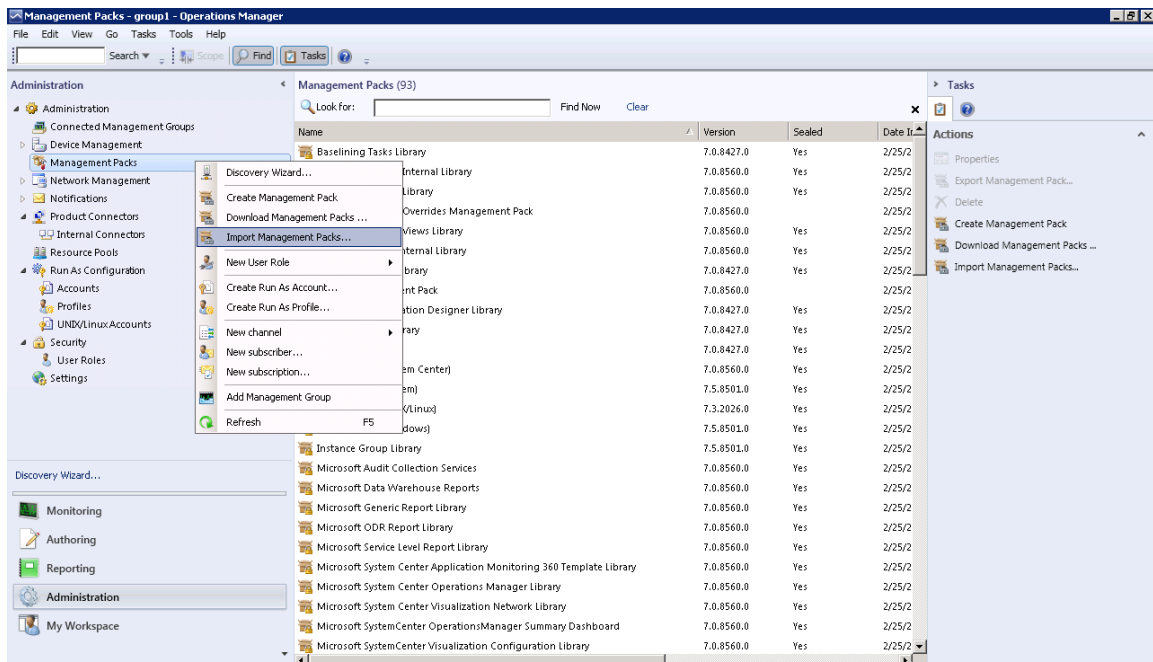


6 Using the System Center Operations Manager Management Pack

In this section we import the SnapManager for SharePoint Management Pack and review the different views for the individual services that are provided. Appendix A provides all the details of the various event IDs and messages that are reported.

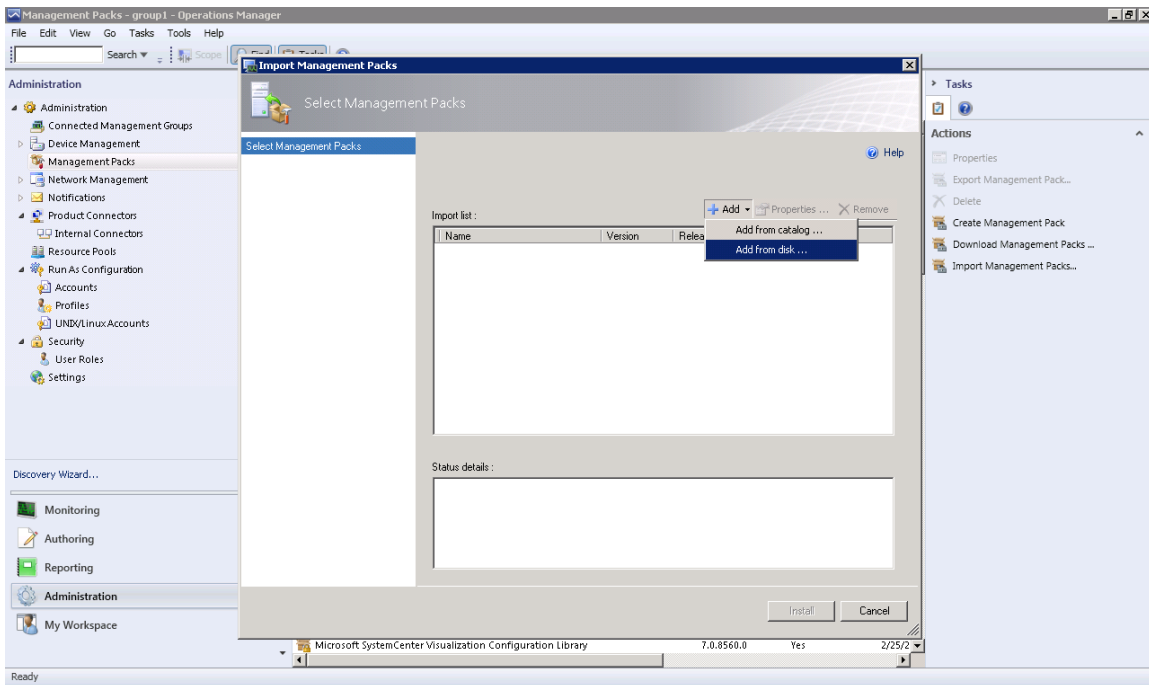
1. Navigate to Administration and right-click Management Packs.

Figure 47) Navigating to Management Packs.



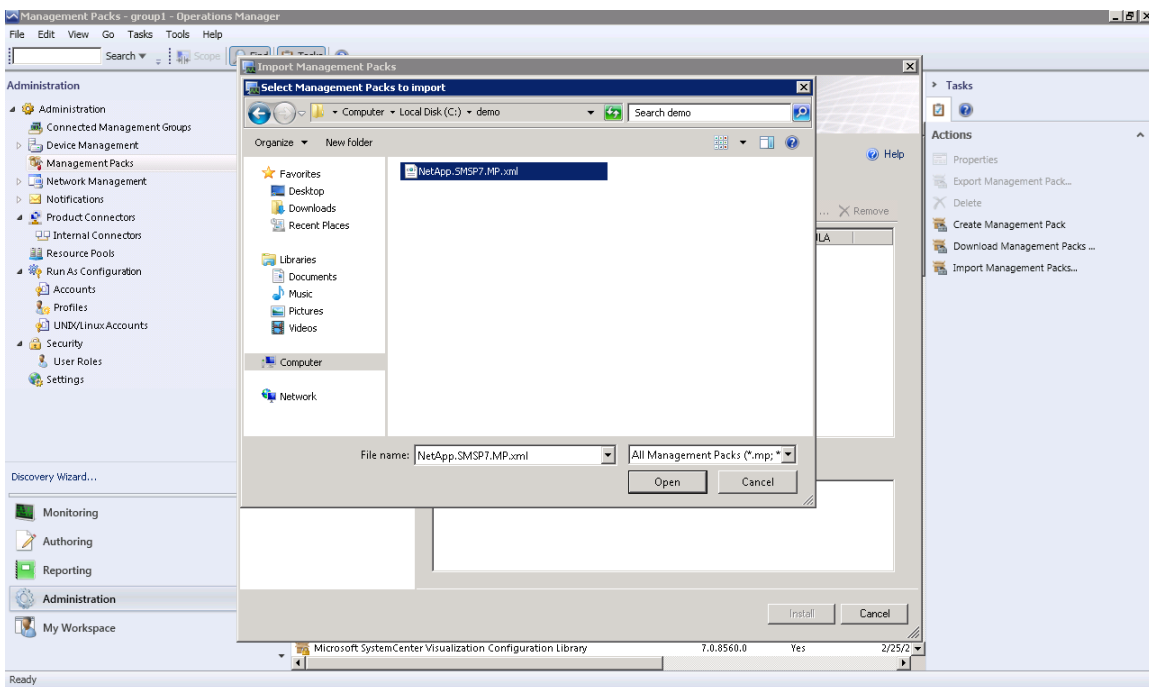
2. Select Import Management Packs and click Add from disk...

Figure 48) Select Management Packs interface.



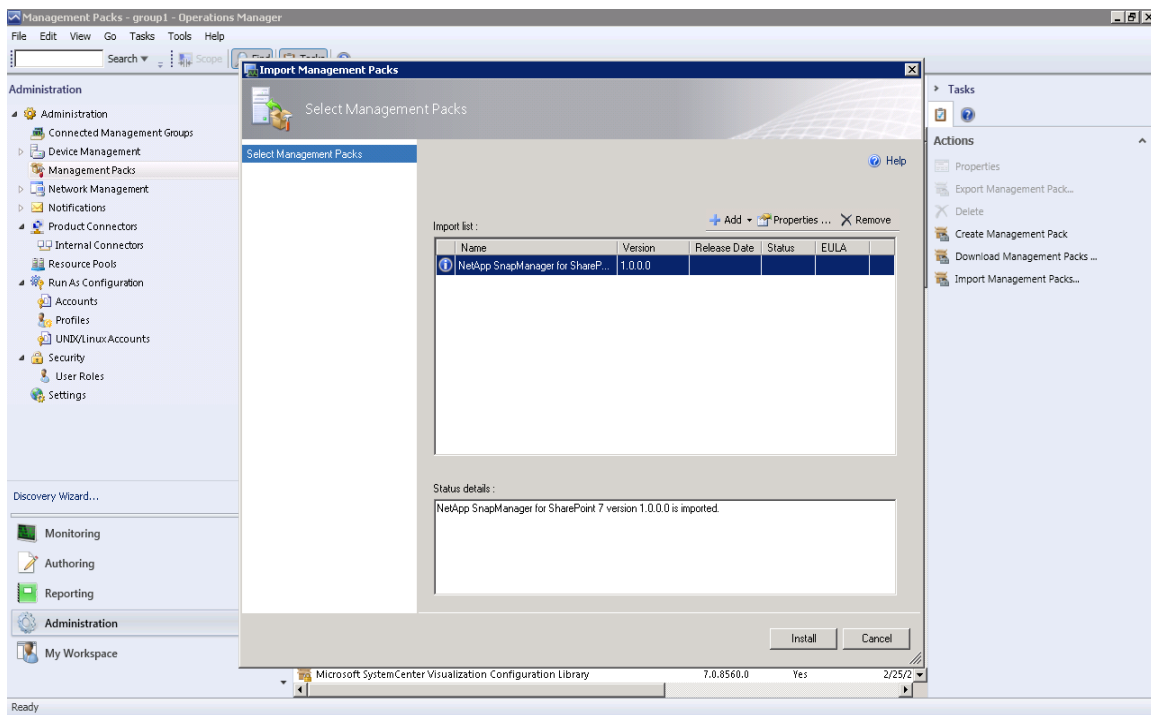
3. Select the Management Packs file and click Open.

Figure 49) Select Management Packs to import interface.



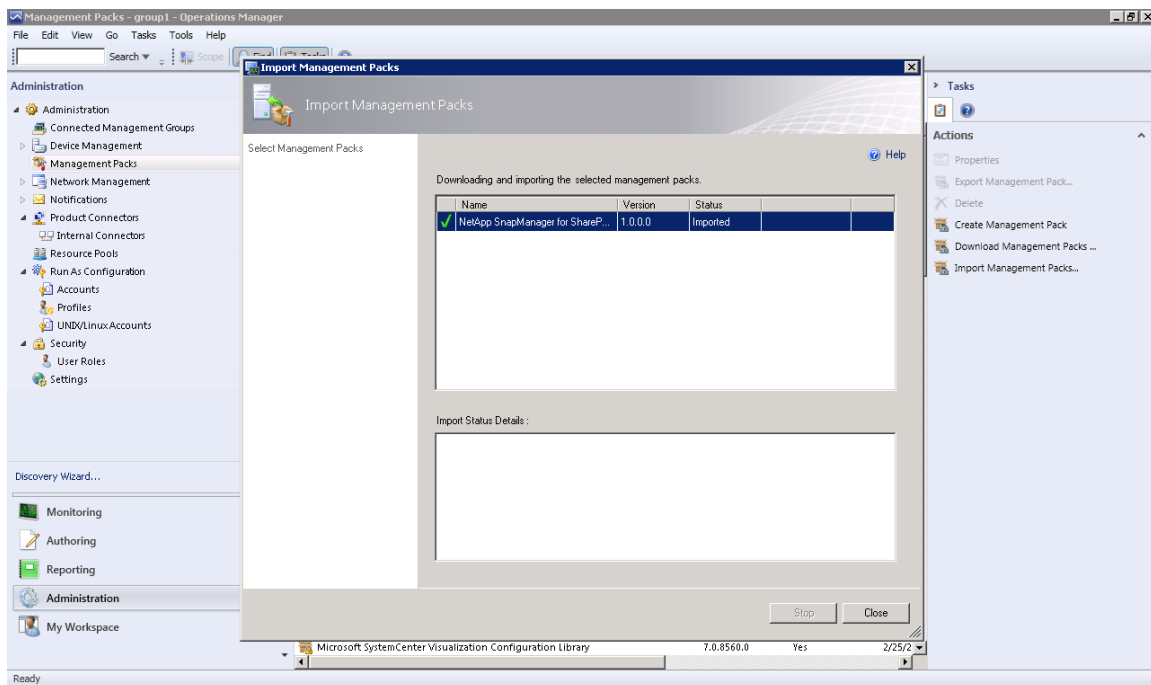
4. Click Install.

Figure 50) Installing the Management Pack.



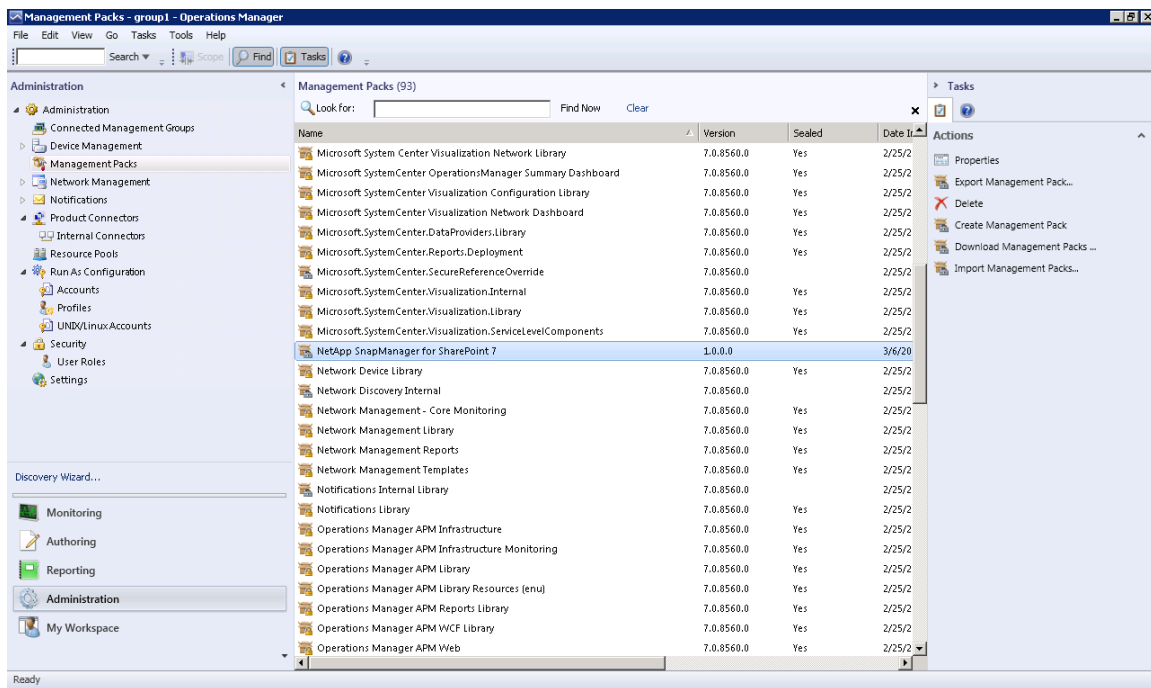
5. After the Management Packs file is imported, click Close.

Figure 51) Closing the interface after the Management Pack is imported.



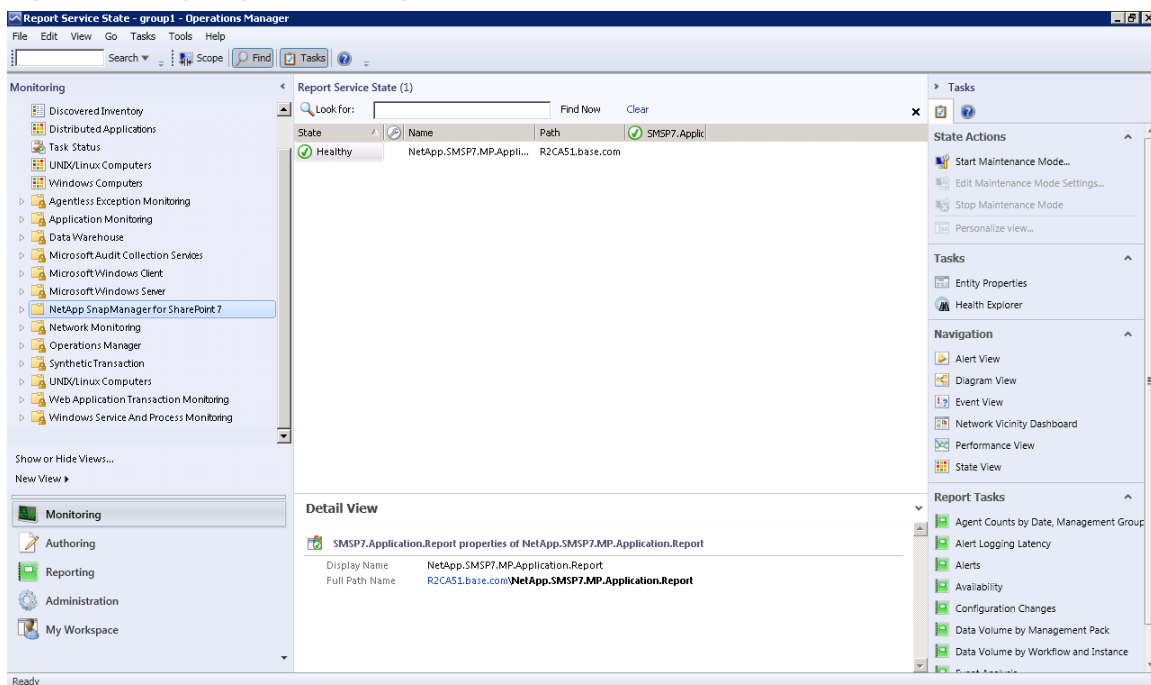
6. The imported Management Pack NetApp SnapManager for SharePoint 7 can be found in the Management Packs pane.

Figure 52) Viewing the imported Management Pack.



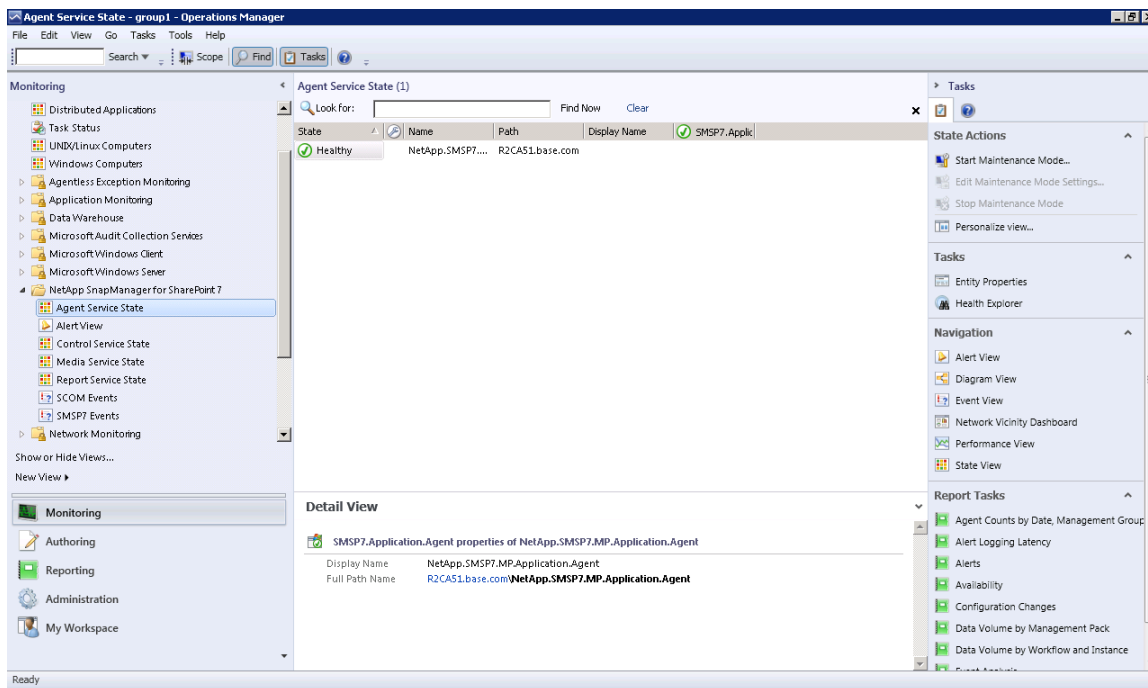
7. Navigate to Monitoring. There will be a new folder named NetApp SnapManager for SharePoint 7.

Figure 53) Navigating to Monitoring.



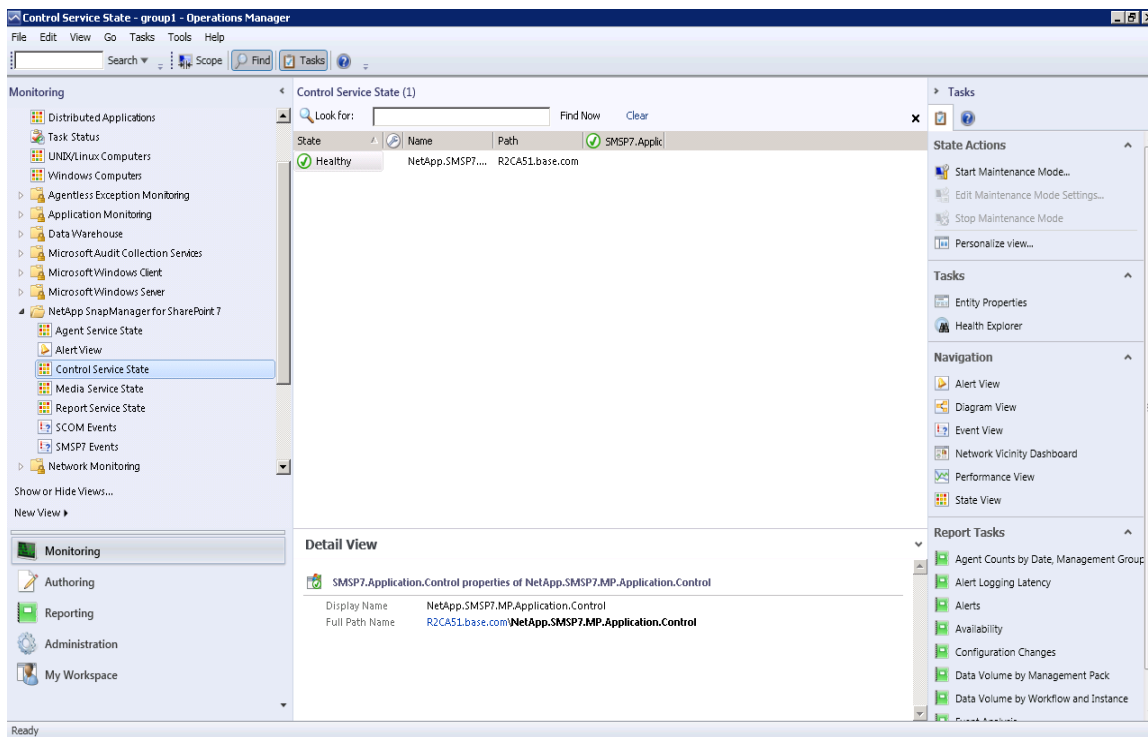
8. The views included in NetApp SnapManager for SharePoint 7 can be used to monitor SMSP 7. The SMSP 7 Agent Service State view:

Figure 54) SMSP 7 Agent Service State view.



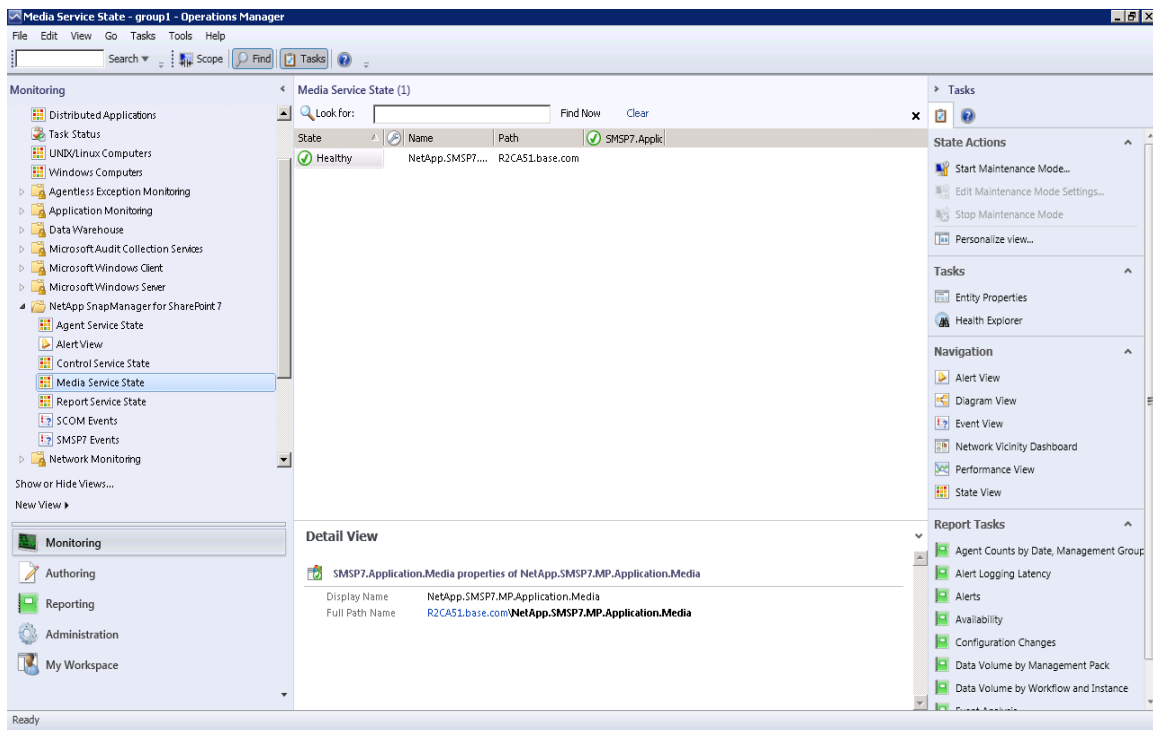
The SMSP 7 Control Service State view:

Figure 55) SMSP 7 Control Service State view.



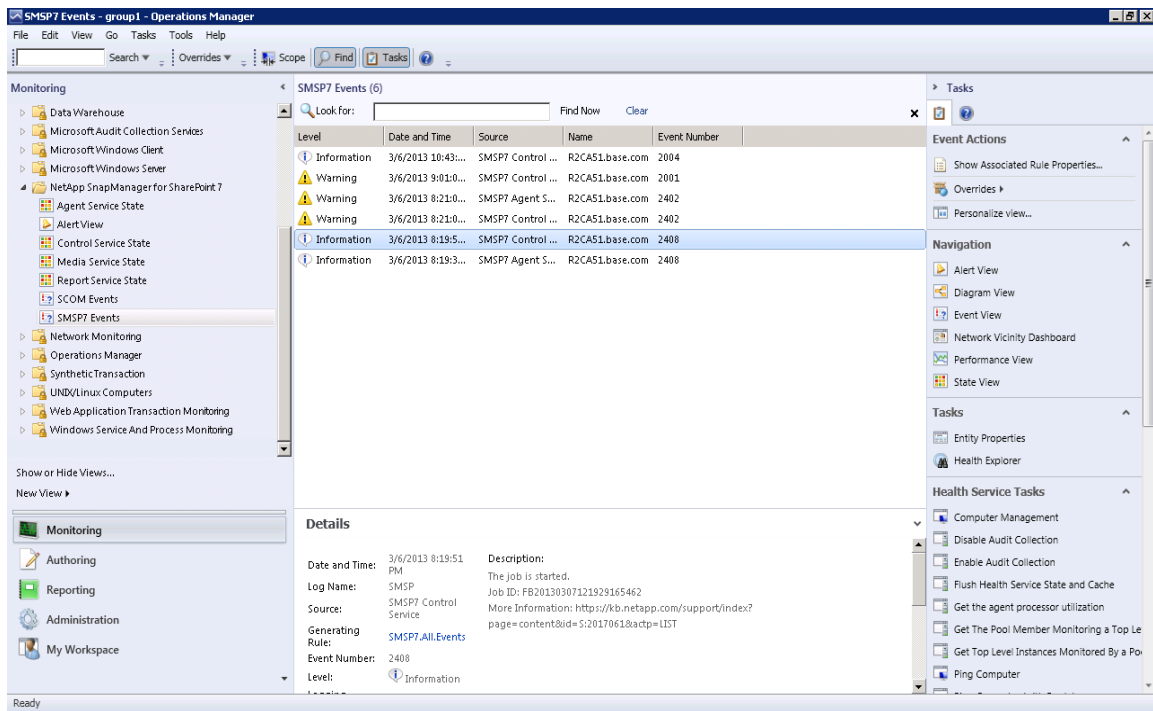
The SMSP 7 Media Service Healthy State view:

Figure 56) SMSP 7 Media Service Healthy State view.



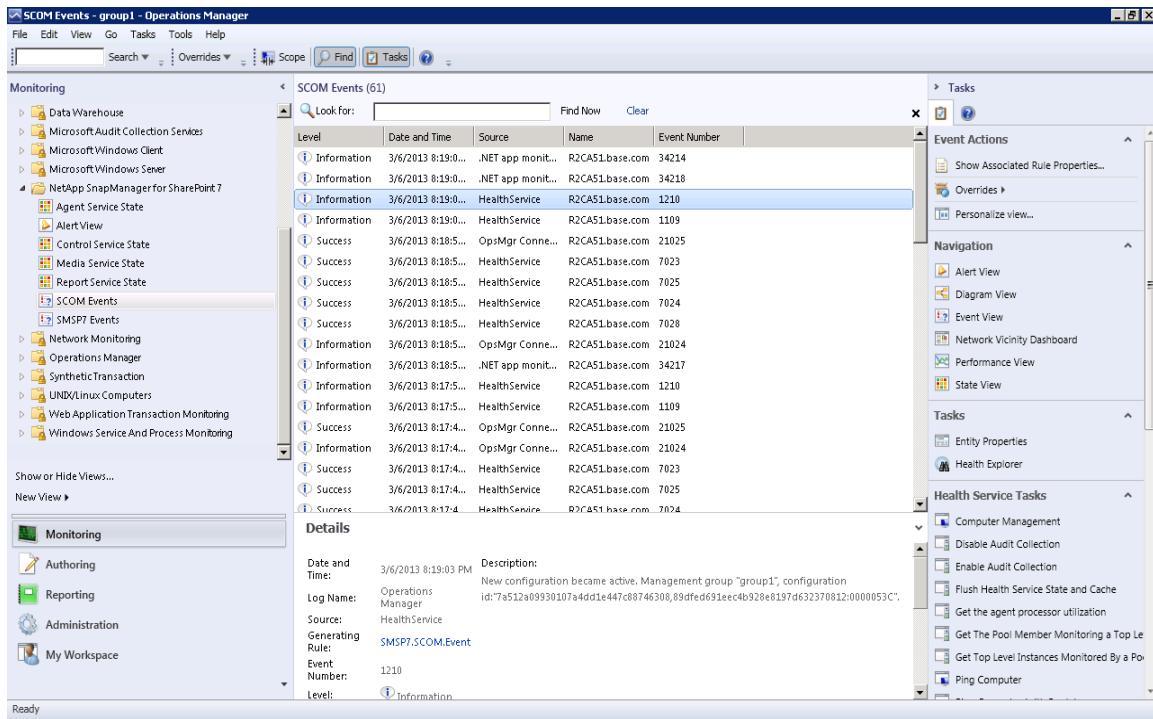
The SMSP 7 Events view:

Figure 57) SMSP 7 Events view.



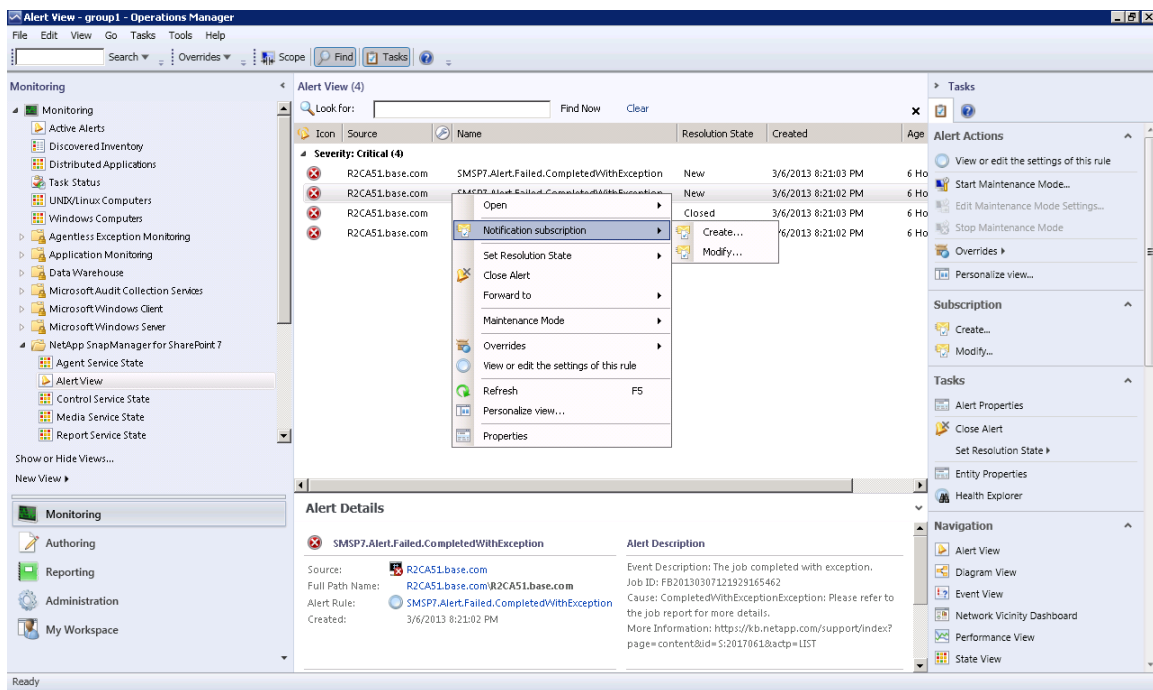
The SCOM Events on SMSP 7 Computer Event view:

Figure 58) SCOM events on SMSP 7 Computer Event view.



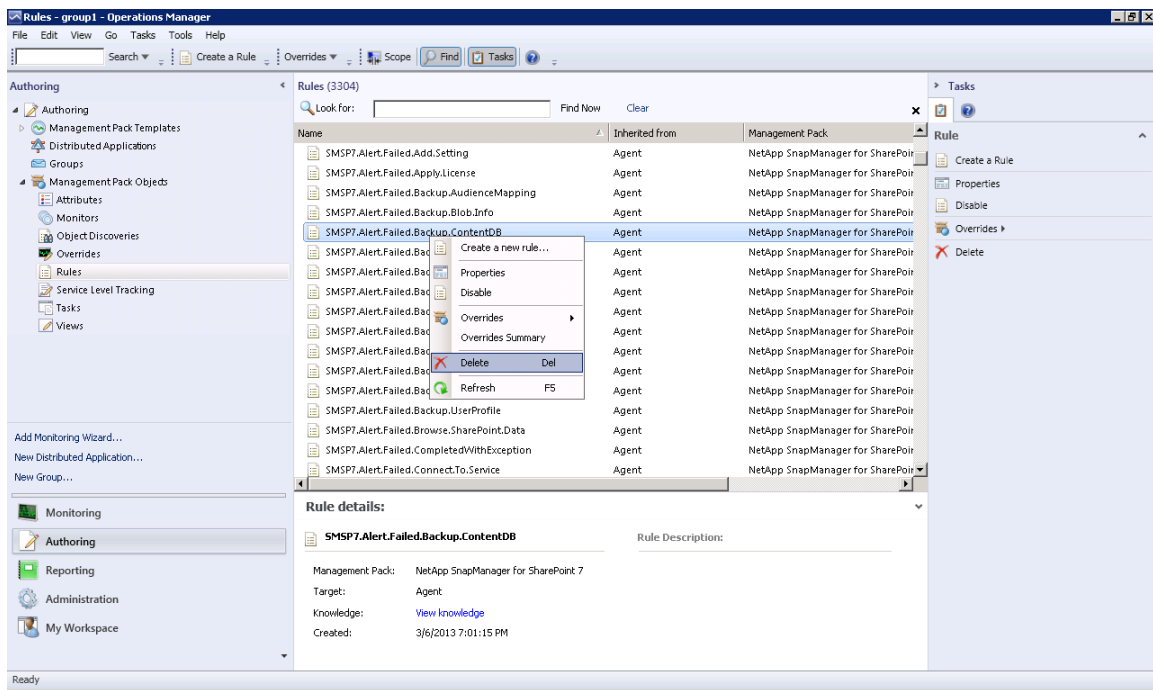
The SMSP 7 Alert view: All SMSP 7 error and warning-type windows' event IDs have been added as alert rules; each individual alert can be subscribed to e-mail or TM and other actions available in SCOM.

Figure 59) SMSP 7 Alert view.



The alert rules can be added/deleted/enabled/disabled by the user.

Figure 60) Management of alert rules.



Appendix A: SnapManager 7.x for SharePoint Event ID List

Event ID	Level	Event Message
2001	Warning	Automatic logoff successful. Logoff Time: <LogoffTime> Session Start Time: <SessionStartTime> Username: <Username>
2002	Warning	Forced logoff successful. Logoff Time: <LogoffTime> Operating Username: <OperatingUsername> Username: <Username>
2003	Error	Failed to log in. Login Address: <LoginAddress> Login Time: <LoginTime> Username: <Username>
2003	Error	Failed to log in. Login Address: <LoginAddress> Login Time: <LoginTime> LoginType: <LoginType> User Name: <UserName>
2003	Error	Failed to log in. Login Address: <LoginAddress> Login Time: <LoginTime> LoginType: <LoginType> User Name: <UserName>

Event ID	Level	Event Message
2003	Error	Failed to log in. Login Address: <LoginAddress> Login Time: <LoginTime> LoginType: <LoginType> User Name: <UserName>
2003	Error	Failed to log in. Login Address: <LoginAddress> Login Time: <LoginTime> LoginType: <LoginType> User Name: <UserName>
2003	Error	Failed to log in. Login Address: <LoginAddress> Login Time: <LoginTime> LoginType: <LoginType> User Name: <UserName>
2003	Error	Failed to log in. Login Address: <LoginAddress> Login Time: <LoginTime> LoginType: <LoginType> User Name: <UserName>
2003	Error	Failed to log in. Login Address: <LoginAddress> Login Time: <LoginTime> LoginType: <LoginType> User Name: <UserName>
2003	Error	Failed to log in. Login Address: <LoginAddress> Login Time: <LoginTime> LoginType: <LoginType> User Name: <UserName>
2003	Error	Failed to log in. Login Address: <LoginAddress> Login Time: <LoginTime> LoginType: <LoginType> User Name: <UserName>
2004	Info	Successfully logged in. Login Address: <LoginAddress> Login Time: <LoginTime> Username: <Username>
2005	Info	Successfully logged off. Logoff Time: <LogoffTime> Username: <Username>
2006	Error	Failed to validate the account. Username: <Username>
2101	Error	Failed to load the license.
2101	Error	Failed to load the license.
2101	Error	Failed to load the license.
2101	Error	Failed to load the license.
2101	Error	Failed to load the license.

Event ID	Level	Event Message
2102	Error	Failed to apply the license.
2103	Info	Successfully applied the license.
2201	Error	Failed to read data from the storage system. Path: <Path> Storage Type: <StorageType>
2202	Error	Failed to verify the settings for connecting to the storage system. Path: <Path> Storage Type: <StorageType>
2202	Error	Failed to verify the settings for connecting to the storage system. Path: <Path> Storage Type: <StorageType>
2202	Error	Failed to verify the settings for connecting to the storage system. Path: <Path> Storage Type: <StorageType>
2202	Error	Failed to verify the settings for connecting to the storage system. Path: <Path> Storage Type: <StorageType>
2202	Error	Failed to verify the settings for connecting to the storage system. Path: <Path> Storage Type: <StorageType>
2202	Error	Failed to verify the settings for connecting to the storage system. Path: <Path> Storage Type: <StorageType>
2202	Error	Failed to verify the settings for connecting to the storage system. Path: <Path> Storage Type: <StorageType>
2202	Error	Failed to verify the settings for connecting to the storage system. Path: <Path> Storage Type: <StorageType>
2203	Error	Failed to write data to the storage system. Path: <Path> Storage Type: <StorageType>
2203	Error	Failed to write data to the storage system. Path: <Path> Storage Type: <StorageType>
2204	Info	Successfully verified the settings for connecting the storage system. Path: <Path> Storage Type: <StorageType>
2301	Error	Failed to start the IIS service. Address: <Address>
2302	Info	Successfully started the IIS service. Address: <Address>

Event ID	Level	Event Message
2303	Error	Failed to stop the IIS service. Address: <Address>
2304	Info	Successfully stopped the IIS service. Address: <Address>
2401	Info	The job completed. Job ID: <JobID>
2402	Warning	The job completed with exception. Job ID: <JobID>
2403	Error	Failed to delete the job. Job ID: <JobID>
2404	Warning	Successfully deleted the job. Job ID: <JobID>
2405	Error	The job failed. Job ID: <JobID>
2405	Error	The job failed. Job ID: <JobID>
2405	Error	The job failed. Job ID: <JobID>
2405	Error	The job failed. Job ID: <JobID>
2405	Error	The job failed. Job ID: <JobID>
2405	Error	The job failed. Job ID: <JobID>
2405	Error	The job failed. Job ID: <JobID>
2405	Error	The job failed. Job ID: <JobID>
2405	Error	The job failed. Job ID: <JobID>
2405	Error	The job failed. Job ID: <JobID>
2405	Error	The job failed. Job ID: <JobID>
2405	Error	The job failed. Job ID: <JobID>
2405	Error	The job failed. Job ID: <JobID>

Event ID	Level	Event Message
2407	Warning	The job is skipped. Job ID: <JobID>
2407	Warning	The job is skipped. Job ID: <JobID>
2407	Warning	The job is skipped. Job ID; <JobID>
2408	Info	The job is started. Job ID: <JobID>
2409	Warning	The job is stopped. Job ID: <JobID>
2410	Warning	The job is paused. Job ID: <JobID>
2411	Info	Successfully operated the job report. Job ID: <JobID> Operation Type: <OperationType>
2412	Warning	Successfully converted the job type. Job ID: <JobID> Original Job Type: <OriginalJobType> Final Job Type: <FinalJobType>
4401	Error	Failed to add the plan. Plan ID: <PlanID> Plan Name: <PlanName> Plan Type: <PlanType>
4402	Info	Successfully added the plan. Plan ID: <PlanID> Plan Name: <PlanName> Plan Type: <PlanType>
4403	Error	Failed to delete the plan. Plan ID: <PlanID> Plan Name: <PlanName> Plan Type: <PlanType>
4404	Warning	Successfully deleted the plan. Plan ID: <PlanID> Plan Name: <PlanName> Plan Type: <PlanType>

Event ID	Level	Event Message
4405	Error	Failed to modify the plan. Plan ID: <PlanID> Plan Name: <PlanName> Plan Type: <PlanType>
4406	Info	Successfully modified the plan. Plan ID: <PlanID> Plan Name: <PlanName> Plan Type: <PlanType>
4501	Error	Failed to add the profile. Profile Name: <ProfileName> Profile Type: <ProfileType>
4501	Error	Failed to add the profile. Profile Name: <ProfileName> Profile Type: <ProfileType>
4501	Error	Failed to add the profile. Profile Name: <ProfileName> Profile Type: <ProfileType>
4501	Error	Failed to add the profile. Profile Name: <ProfileName> Profile Type: <ProfileType>
4501	Error	Failed to add the profile. Profile Name: <ProfileName> Profile Type: <ProfileType>
4502	Info	Successfully added profile. Profile Name: <ProfileName> Profile Type: <ProfileType>
4503	Error	Failed to delete the profile. Profile Name: <ProfileName> Profile Type: <ProfileType>
4503	Error	Failed to delete the profile. Profile Name: <ProfileName> Profile Type: <ProfileType>
4503	Error	Failed to delete the profile. Profile Name: <ProfileName> Profile Type: <ProfileType>

Event ID	Level	Event Message
4503	Error	Failed to delete the profile. Profile Name: <ProfileName> Profile Type: <ProfileType>
4504	Warning	Successfully deleted the profile. Profile Name: <ProfileName> Profile Type: <ProfileType>
4505	Error	Failed to modify the profile. Profile Name: <ProfileName> Profile Type: <ProfileType>
4505	Error	Failed to modify the profile. Profile Name: <ProfileName> Profile Type: <ProfileType>
4505	Error	Failed to modify the profile. Profile Name: <ProfileName> Profile Type: <ProfileType>
4505	Error	Failed to modify the profile. Profile Name: <ProfileName> Profile Type: <ProfileType>
4506	Info	Successfully modified the profile. Profile Name: <ProfileName> Profile Type: <ProfileType>
4601	Error	Failed to add the setting. Setting Type: <SettingType>
4601	Error	Failed to add the setting. Setting Type: <SettingType>
4602	Info	Successfully added the setting. Setting Type: <SettingType>
4603	Error	Failed to delete the setting. Setting Type: <SettingType>
4603	Error	Failed to delete the setting. Setting Type: <SettingType>
4604	Warning	Successfully deleted the setting. Setting Type: <SettingType>
4605	Error	Failed to modify the setting. Setting Type: <SettingType>

Event ID	Level	Event Message
4605	Error	Failed to modify the setting. Setting Type: <SettingType>
4606	Info	Successfully modified the setting. Setting Type: <SettingType>
4607	Error	Failed to operate the setting. Operation Type: <OperationType> Setting Type: <SettingType>
4608	Info	Successfully operated the setting. Operation Type: <OperationType> Setting Type: <SettingType>
4609	Error	Failed to operate the profile. Operation Type: <OperationType> Profile Name: <ProfileName> Profile Type: <ProfileType>
4610	Info	Successfully operated the profile. Operation Type: <OperationType> Profile Name: <ProfileName> Profile Type: <ProfileType>
5401	Error	Failed to add the service. Service Address: <ServiceAddress> Service Port: <ServicePort> Service Type: <ServiceType>
5402	Info	Successfully added the service. Service Address: <ServiceAddress> Service Port: <ServicePort> Service Type: <ServiceType>
5403	Error	Failed to delete the service. Service Address: <ServiceAddress> Service Port: <ServicePort> Service Type: <ServiceType>
5404	Warning	Successfully deleted the service. Service Address: <ServiceAddress> Service Port: <ServicePort> Service Type: <ServiceType>
5405	Error	Failed to modify the service. Service Address: <ServiceAddress> Service Port: <ServicePort> Service Type: <ServiceType>

Event ID	Level	Event Message
5406	Info	Successfully modified the service. Service Address: <ServiceAddress> Service Port: <ServicePort> Service Type: <ServiceType>
5407	Error	Failed to operate the service. Operation Type: <OperationType> Service Address: <ServiceAddress> Service Port: <ServicePort> Service Type: <ServiceType>
5407	Error	Failed to operate the service. Operation Type: <OperationType> Service Address: <ServiceAddress> Service Port: <ServicePort> Service Type: <ServiceType>
5407	Error	Failed to operate the service. Operation Type: <OperationType> Service Address: <ServiceAddress> Service Port: <ServicePort> Service Type: <ServiceType>
5407	Error	Failed to operate the service. Operation Type: <OperationType> Service Address: <ServiceAddress> Service Port: <ServicePort> Service Type: <ServiceType>
5408	Error	The service exited abnormally. Service Type: <ServiceType>
5408	Error	The service exited abnormally. Service Type: <ServiceType>
5409	Error	An error occurred while the service was running. Service Type: <ServiceType>
5409	Error	An error occurred while the service was running. Service Type: <ServiceType>
5409	Error	An error occurred while the service was running. Service Type: <ServiceType>

Event ID	Level	Event Message
5410	Error	Failed to start the service. Service Port: <ServicePort> Service Type: <ServiceType> Manager Address: <ManagerAddress> Manager Port: <ManagerPort>
5410	Error	Failed to start the service. Service Port: <ServicePort> Service Type: <ServiceType> Manager Address: <ManagerAddress> Manager Port: <ManagerPort>
5410	Error	Failed to start the service. Service Port: <ServicePort> Service Type: <ServiceType> Manager Address: <ManagerAddress> Manager Port: <ManagerPort>
5410	Error	Failed to start the service. Service Port: <ServicePort> Service Type: <ServiceType> Manager Address: <ManagerAddress> Manager Port: <ManagerPort>
5410	Error	Failed to start the service. Service Port: <ServicePort> Service Type: <ServiceType> Manager Address: <ManagerAddress> Manager Port: <ManagerPort>
5410	Error	Failed to start the service. Service Port: <ServicePort> Service Type: <ServiceType> Manager Address: <ManagerAddress> Manager Port: <ManagerPort>
5410	Error	Failed to start the service. Service Port: <ServicePort> Service Type: <ServiceType> Manager Address: <ManagerAddress> Manager Port: <ManagerPort>

Event ID	Level	Event Message
5410	Error	Failed to start the service. Service Port: <ServicePort> Service Type: <ServiceType> Manager Address: <ManagerAddress> Manager Port: <ManagerPort>
5410	Error	Failed to start the service. Service Port: <ServicePort> Service Type: <ServiceType> Manager Address: <ManagerAddress> Manager Port: <ManagerPort>
5411	Info	Successfully started the service. Service Type: <ServiceType>
5412	Info	Successfully stopped the service. Service Type: <ServiceType>
5413	Info	Successfully operated the service. Operation Type: <OperationType> Service Address: <ServiceAddress> Service Port: <ServicePort> Service Type: <ServiceType>
5414	Error	Failed to stop the service. Service Type: <ServiceType>
5501	Warning	Failed to activate the feature. Feature ID: <FeatureID>
5501	Warning	Failed to activate the feature. Feature ID: <FeatureID>
5502	Warning	Failed to back up the document tag. Item URL: <ItemURL>
5502	Warning	Failed to back up the document tag. Item URL: <ItemURL>
5503	Error	Failed to back up the item. Item Name: <ItemName>
5504	Error	Failed to back up the list. List Title: <ListTitle>
5505	Warning	Failed to back up the Managed Metadata Service.
5506	Error	Failed to back up the site collection. Site Collection URL: <SiteCollectionURL>

Event ID	Level	Event Message
5507	Warning	Failed to back up the user profile. Site Collection URL: <SiteCollectionURL>
5507	Warning	Failed to back up the user profile. Site Collection URL: <SiteCollectionURL>
5508	Error	Failed to back up the site. Site URL: <SiteURL>
5509	Warning	Failed to restore the alert. Username: <Username> Scope URL: <ScopeURL>
5510	Warning	Failed to restore the content type. Content Type Name: <ContentTypeName>
5510	Warning	Failed to restore the content type. Content Type Name: <ContentTypeName>
5511	Warning	Failed to restore the document tag. Item URL: <ItemURL>
5511	Warning	Failed to restore the document tag. Item URL: <ItemURL>
5512	Error	Failed to restore the item. Item Name: <ItemName>
5512	Error	Failed to restore the item. Item Name: <ItemName>
5512	Error	Failed to restore the item. Item Name: <ItemName>
5512	Error	Failed to restore the item. Item Name: <ItemName>
5512	Error	Failed to restore the item. Item Name: <ItemName>
5512	Error	Failed to restore the item. Item Name: <ItemName>
5512	Error	Failed to restore the item. Item Name: <ItemName>
5512	Error	Failed to restore the item. Item Name: <ItemName>
5513	Error	Failed to restore the list. List Title: <ListTitle>
5513	Error	Failed to restore the list. List Title: <ListTitle>

Event ID	Level	Event Message
5514	Warning	Failed to restore the Managed Metadata Service.
5515	Warning	Failed to restore the permission.
5516	Error	Failed to restore the site collection. Site Collection URL: <SiteCollectionURL>
5516	Error	Failed to restore the site collection. Site Collection URL: <SiteCollectionURL>
5516	Error	Failed to restore the site collection. Site Collection URL: <SiteCollectionURL>
5516	Error	Failed to restore the site collection. Site Collection URL: <SiteCollectionURL>
5516	Error	Failed to restore the site collection. Site Collection URL: <SiteCollectionURL>
5516	Error	Failed to restore the site collection. Site Collection URL: <SiteCollectionURL>
5516	Error	Failed to restore the site collection. Site Collection URL: <SiteCollectionURL>
5516	Error	Failed to restore the site collection. Site Collection URL: <SiteCollectionURL>
5516	Error	Failed to restore the site collection. Site Collection URL: <SiteCollectionURL>
5517	Warning	Failed to restore the user. Username: <Username>
5517	Warning	Failed to restore the user. Username: <Username>
5518	Warning	Failed to restore the user profile. Site Collection URL: <SiteCollectionURL>
5518	Warning	Failed to restore the user profile. Site Collection URL: <SiteCollectionURL>
5519	Error	Failed to restore the site. Site URL: <SiteURL>
5519	Error	Failed to restore the site. Site URL: <SiteURL>
5519	Error	Failed to restore the site. Site URL: <SiteURL>
5519	Error	Failed to restore the site. Site URL: <SiteURL>

Event ID	Level	Event Message
5519	Error	Failed to restore the site. Site URL: <SiteURL>
5519	Error	Failed to restore the site. Site URL: <SiteURL>
5519	Error	Failed to restore the site. Site URL: <SiteURL>
5520	Warning	Failed to restore the workflow instance. Workflow Definition Name: <WorkflowDefinitionName>
5521	Error	Failed to operate the solution. Operation Type: <OperationType> Solution Name: <SolutionName>
5522	Info	Successfully operated the solution. Operation Type: <OperationType> Solution Name: <SolutionName>
5523	Error	Failed to upload the document. Document Name: <DocumentName>
5524	Error	Failed to back up the content database. Content Database Name: <ContentDatabaseName> Web Application URL: <WebApplicationURL>
5525	Error	Failed to restore the content database. Content Database Name: <ContentDatabaseName> Web Application URL: <WebApplicationURL>
5526	Error	Failed to back up the database. Database Name: <DatabaseName> Database Type: <DatabaseType>
5527	Error	Failed to restore the database. Database Name: <DatabaseName> Database Type: <DatabaseType>
5528	Error	Failed to back up the BLOB information. BLOB Name: <BlobName>
5529	Error	Failed to restore the BLOB information. BLOB Name: <BLOBName> Destination Path: <DestinationPath> List ID: <ListID> Source Path: <SourcePath>
5530	Error	Failed to back up the index. Index Name: <IndexName>

Event ID	Level	Event Message
5531	Error	Failed to restore the index. Index Name: <IndexName>
5532	Error	Failed to browse the SharePoint data.
5533	Error	Failed to synchronize the list. List Title: <ListTitle>
5534	Error	Failed to discover the SharePoint information.
5535	Error	Failed to enable RBS. Database Name: <DatabaseName>
5536	Info	Successfully enabled RBS. Database Name: <DatabaseName>
5537	Error	Failed to enable EBS. Farm Name: <FarmName>
5538	Info	Successfully enabled EBS. Farm Name: <FarmName>
5539	Warning	Failed to back up the audience mapping. Site URL: <SiteURL>
5540	Warning	Failed to restore the column. Column Title: <ColumnTitle> Dependency Title: <DependencyTitle> Dependency Type: <DependencyType>
5540	Warning	Failed to restore the column. Column Title: <ColumnTitle> Dependency Title: <DependencyTitle> Dependency Type: <DependencyType>
5541	Warning	Failed to restore the audience mapping. Site URL: <SiteURL>
5542	Warning	Failed to restore the web part. Web Part Display Name: <WebPartDisplayName> Web Part Type: <WebPartType>
5543	Warning	Failed to restore the item property. Item Name: <ItemName> Property Name: <PropertyName >

Event ID	Level	Event Message
7501	Error	Failed to install the Hotfix. Hotfix Name: <HotfixName> Service Address: <ServiceAddress> Service Type: <ServiceType>
7501	Error	Failed to install the hotfix. Hotfix Name: <HotfixName> Service Address: <ServiceAddress> Service Type: <ServiceType>
7501	Error	Failed to install the hotfix. Hotfix Name: <HotfixName> Service Address: <ServiceAddress> Service Type: <ServiceType>
7502	Info	Successfully installed the hotfix. Hotfix Name: <HotfixName> Service Address: <ServiceAddress> Service Type: <ServiceType>
7503	Error	Failed to uninstall the hotfix. Hotfix Name: <HotfixName> Service Address: <ServiceAddress> Service Type: <ServiceType>
7504	Info	Successfully uninstalled the hotfix. Hotfix Name: <HotfixName> Service Address: <ServiceAddress> Service Type: <ServiceType>
7701	Error	Failed to handle the request. Request Message: <RequestMessage>
7701	Error	Failed to handle the request. Request Message: <RequestMessage>
7701	Error	Failed to handle the request. Request Message: <RequestMessage>
7702	Error	Failed to connect to the service. Service Address: <ServiceAddress> Service Port: <ServicePort> Service Type: <ServiceType>
7703	Error	Failed to transfer the data. Destination Address: <DestinationAddress>

Event ID	Level	Event Message
7704	Error	Failed to receive the data. Source Address: <SourceAddress>
7705	Error	Failed to send the data. Destination Address: <DestinationAddress>
8001	Error	Failed to operate the driver. Operation Type: <OperationType> Driver Name: <DriverName>
8002	Info	Successfully operated the driver. Operation Type: <OperationType> Driver Name: <DriverName>
8101	Error	Failed to execute the command. Parameter: <Parameter> Command Name: <CommandName>
8102	Error	Failed to execute the process. Parameter: <Parameter> Process Name: <ProcessName>
8103	Info	Successfully executed the command. Parameter: <Parameter> Command Name: <CommandName>
8104	Info	Successfully executed the process. Parameter: <Parameter> Process Name: <ProcessName>
8105	Info	The process is started. Parameter: <Parameter> Process Name: <ProcessName>
8106	Info	The command is started. Parameter: <Parameter> Command Name: <CommandName>
8201	Error	Failed to operate the snap mirror. Volume Name: <VolumeName> Operation Type: <OperationType>
8202	Info	Successfully operated the snap mirror. Volume Name: <VolumeName> Operation Type: <OperationType>
8203	Error	Failed to operate the snap vault. Volume Name: <VolumeName> Operation Type: <OperationType>

Event ID	Level	Event Message
8204	Info	Successfully operated the snap vault. Volume Name: <VolumeName> Operation Type: <OperationType>
8205	Error	Failed to operate the snapshot. Agent Name: <AgentName> Current Snapshot Count: <CurrentSnapshotCount> Max Snapshot Count: <MaxSnapshotCount> Operation Type: <OperationType> Volume Name: <VolumeName>
8206	Info	Successfully operated the snapshot. Agent Name: <AgentName> Current Snapshot Count: <CurrentSnapshotCount> Max Snapshot Count: <MaxSnapshotCount> Operation Type: <OperationType> Volume Name: <VolumeName>
8301	Error	Failed to write data to the file. File Path: <FilePath>
8302	Error	Failed to read data from the file. File Path: <FilePath>
8401	Error	Failed to add the database. Database Name: <DatabaseName> Database Type: <DatabaseType>
8401	Error	Failed to add the database. Database Name: <DatabaseName> Database Type: <DatabaseType>
8402	Info	Successfully added the database. Database Name: <DatabaseName> Database Type: <DatabaseType>
8403	Error	Failed to delete the database. Database Name: <DatabaseName> Database Type: <DatabaseType>
8403	Error	Failed to delete the database. Database Name: <DatabaseName> Database Type: <DatabaseType>
8404	Warning	Successfully deleted the database. Database Name: <DatabaseName> Database Type: <DatabaseType>

Event ID	Level	Event Message
8405	Error	Failed to modify the database. Database Name: <DatabaseName> Database Type: <DatabaseType>
8406	Info	Successfully modified the database. Database Name: <DatabaseName> Database Type: <DatabaseType>
8407	Error	Failed to operate the database. Database Name: <DatabaseName> Database Type: <DatabaseType> Operation Type: <OperationType>
8407	Error	Failed to operate the database. Database Name: <DatabaseName> Database Type: <DatabaseType> Operation Type: <OperationType>
8407	Error	Failed to operate the database. Database Name: <DatabaseName> Database Type: <DatabaseType> Operation Type: <OperationType>
8407	Error	Failed to operate the database. Database Name: <DatabaseName> Database Type: <DatabaseType> Operation Type: <OperationType>
8408	Info	Successfully operated the database. Database Name: <DatabaseName> Database Type: <DatabaseType> Operation Type: <OperationType>
9401	Info	The installation is started. Package Type: <PackageType>
9402	Error	Failed to install the package. Package Type: <PackageType>
9403	Info	Successfully installed the package. Package Type: <PackageType>
9404	Info	The uninstallation is started. Package Type: <PackageType>
9405	Error	Failed to uninstall the package. Package Type: <PackageType>

Event ID	Level	Event Message
9406	Info	Successfully uninstalled the package. Package Type: <PackageType>

Appendix B: SnapManager 7.x for SharePoint Source List

Name	Description
SMSP 7 Media Service	This source means that the specified log comes from the SMSP Media Service.
SMSP 7 Control Service	This source means that the specified log comes from the SMSP Control Service.
SMSP 7 Agent Service	This source means that the specified log comes from the SMSP Agent Service.
SMSP 7 Report Service	This source means that the specified log comes from the SMSP Report Service.
SMSP 7 Package	This source means that the specified log comes from the SMSP Installation program.
SMSP 7 Tool	This source means that the specified log comes from the SMSP tools.
SMSP 7 CLI	This source means that the specified log comes from the SMSP CLI.
SMSP 7 API	This source means that the specified log comes from the SMSP API.
SMSP 7 Storage API	This source means that the specified log comes from the SMSP Storage API.

Appendix C: SnapManager 7.x for SharePoint Task Category List

Category Name	Category ID	Source Name
Common_ControlService	1	SMSP 7 Control Service
DataProtection_PlatformBackup	44	SMSP 7 Control Service
DataProtection_PlatformRestore	45	SMSP 7 Control Service
StorageOptimization_RealtimeStorageManager	122	SMSP 7 Control Service
StorageOptimization_ScheduledStorageManager	123	SMSP 7 Control Service
StorageOptimization_Connector	124	SMSP 7 Control Service
StorageOptimization_Archiver	125	SMSP 7 Control Service
Common_AgentService	301	SMSP 7 Agent Service
DataProtection_PlatformBackup	368	SMSP 7 Agent Service
DataProtection_PlatformRestore	369	SMSP 7 Agent Service
DataProtection_PlatformBackupAndRestore	373	SMSP 7 Agent Service

Category Name	Category ID	Source Name
StorageOptimization_Archiver_Backup	522	SMSP 7 Agent Service
StorageOptimization_Archiver_Restore	523	SMSP 7 Agent Service
StorageOptimization_StorageManager_Realtime	525	SMSP 7 Agent Service
StorageOptimization_StorageManager_Scheduled	526	SMSP 7 Agent Service
StorageOptimization_Connector	529	SMSP 7 Agent Service

References

The following reference was used in this TR.

- Microsoft Systems Center Operations Manager 2012
<http://technet.microsoft.com/en-us/library/hh205987.aspx>

Version History

Version	Date	Document Version History
Version 1.0	October 2013	Initial release

Refer to the [Interoperability Matrix Tool \(IMT\)](#) on the NetApp Support site to validate that the exact product and feature versions described in this document are supported for your specific environment. The NetApp IMT defines the product components and versions that can be used to construct configurations that are supported by NetApp. Specific results depend on each customer's installation in accordance with published specifications.

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