ConfigMgr Servers Health Checklist

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Introduction

This section describes the purpose and audience of this guide. Any terminology or acronyms used in this document will be referenced in the Glossary of the Appendix section.

Purpose

The intent of this ConfigMgr infrastructure Management helps an Administrator to ensure that the ConfigMgr infrastructure is healthy.

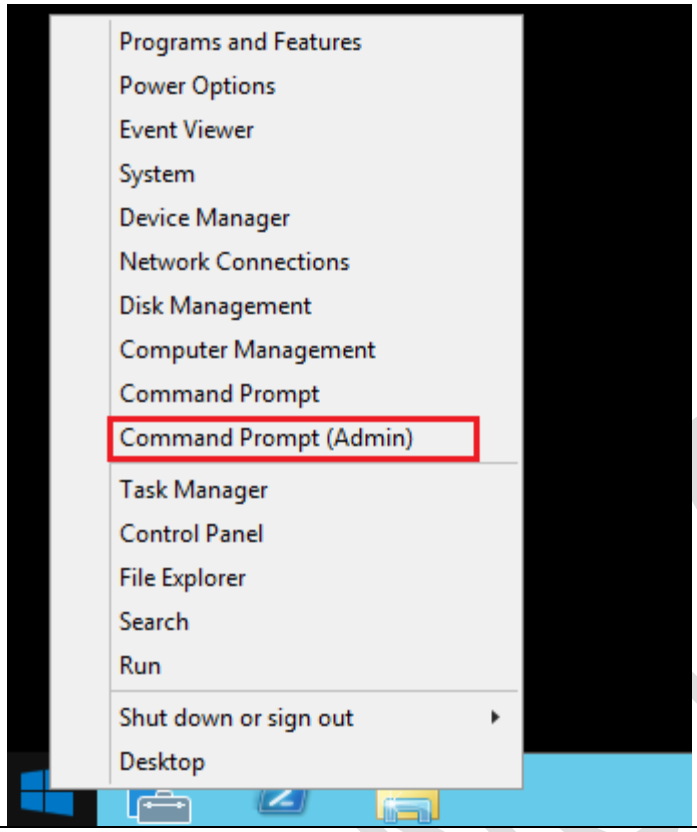
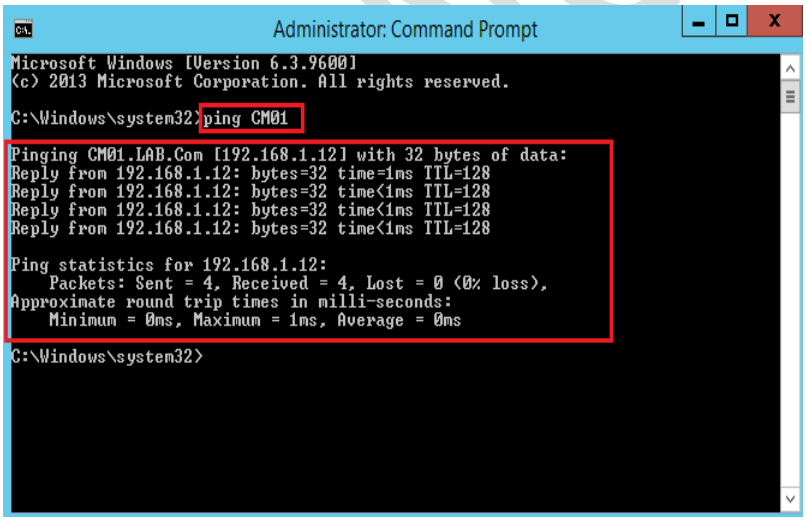
ConfigMgr Administration Best Practices

1. Use AD Sites to define ConfigMgr boundaries to avoid overlapping.
2. Automate maintenance tasks and create custom maintenance tasks.
3. Create OUs for ConfigMgr Servers.
4. Use AD Groups and Accounts for managing the ConfigMgr environment.
5. Keep administrative rights to a minimum level of Access.
6. Create a plan for role-based administration and apply only the rights necessary to perform job function.
7. Use NTFS on all client and server partitions.
8. Assign the least permissions possible.
9. Do not install site servers on Domain Controllers.
10. Do not install other services that use the local system account.
11. Use GPO and ConfigMgr Client Push Method to install client agent on computers.
12. Add only required users to ConfigMgr admins group, or created alternate groups and use role-based access control for permissions.
13. Create ConfigMgr AD OU containers for service IDs, Application Management ID's, Management groups and Servers.
14. Lock down the ConfigMgr Infrastructure using Domain Groups and Accounts.
15. Configure SUP on every primary and secondary site server.
16. Enable SMTP access on Top ConfigMgr server to send a custom SSRS Reports.
17. Only deploy the ConfigMgr client to computers that are trusted.
18. Do not use a domain admin account as the client push installation account.
19. SQL Server must be configured to use Windows Authentication.
20. Remove or Disable the Guest account from the ConfigMgr SQL Database.

ConfigMgr Health Check Task

1. Daily - Check ConfigMgr Roles Status

Pull the ConfigMgr Servers list from ConfigMgr Central Database or refer the ConfigMgr Design documents to get the Site servers list.

#	Screen Shot	Steps Instructions
1		Logon any of the ConfigMgr server 1. Start → Command Prompt (Admin) → Click.
2		In the Command Prompt window. 1. Type ping command space server name E.g.: Ping CM02 If a server is not pingable: 1. Identify the problem and work on to fix the issues.

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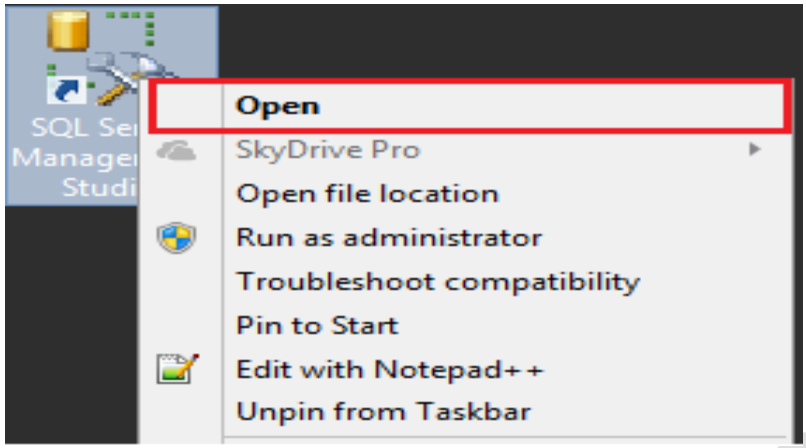
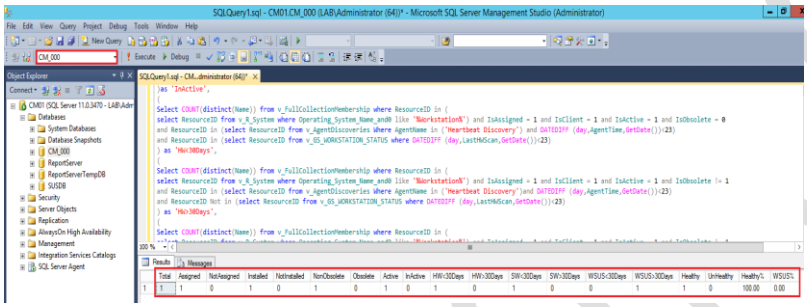
2. Daily - Check Workstations Agent Health Status

#	Screen Shot	Steps Instructions
1		Open SQL Server Management Studio.
2		Execute the below query then you will get the Workstations Client Health Details. **SQL Query:** ----------

```
Select
(
Select COUNT(distinct(Name)) from v_FullCollectionMembership where ResourceID in (
select ResourceID from v_R_System where Operating_System_Name_and0 like '%Workstation%')
)as 'Total',
(
Select COUNT(distinct(Name)) from v_FullCollectionMembership where ResourceID in (
select ResourceID from v_R_System where Operating_System_Name_and0 like '%Workstation%') and IsAssigned = 1
)as 'Assigned',
(
Select COUNT(distinct(Name)) from v_FullCollectionMembership where ResourceID in (
select ResourceID from v_R_System where Operating_System_Name_and0 like '%Workstation%') and IsAssigned != 1
)as 'NotAssigned',
(
Select COUNT(distinct(Name)) from v_FullCollectionMembership where ResourceID in (
select ResourceID from v_R_System where Operating_System_Name_and0 like '%Workstation%') and IsAssigned = 1 and IsClient = 1
)as 'Installed',
(
```

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```
Select COUNT(distinct(Name)) from
v_FullCollectionMembership where ResourceID
in (
select ResourceID from v_R_System where
Operating_System_Name_and0 like
'%Workstation%') and IsAssigned = 1 and
IsClient != 1
)as 'NotInstalled',
(
Select COUNT(distinct(Name)) from
v_FullCollectionMembership where ResourceID
in (
select ResourceID from v_R_System where
Operating_System_Name_and0 like
'%Workstation%') and IsAssigned = 1 and
IsClient = 1 and IsObsolete = 0
)as 'NonObsolete',
(
Select COUNT(distinct(Name)) from
v_FullCollectionMembership where ResourceID
in (
select ResourceID from v_R_System where
Operating_System_Name_and0 like
'%Workstation%') and IsAssigned = 1 and
IsClient = 1 and IsObsolete != 0
)as 'Obsolete',
(
Select COUNT(distinct(Name)) from
v_FullCollectionMembership where ResourceID
in (
select ResourceID from v_R_System where
Operating_System_Name_and0 like
'%Workstation%') and IsAssigned = 1 and
IsClient = 1 and IsActive = 1 and IsObsolete = 0
)as 'Active',
(
Select COUNT(distinct(Name)) from
v_FullCollectionMembership where ResourceID
in (
select ResourceID from v_R_System where
Operating_System_Name_and0 like
'%Workstation%') and IsAssigned = 1 and
IsClient = 1 and IsActive = 0 and IsObsolete = 0
)as 'InActive',
(
Select COUNT(distinct(Name)) from
v_FullCollectionMembership where ResourceID
in (
select ResourceID from v_R_System where
Operating_System_Name_and0 like
'%Workstation%') and IsAssigned = 1 and
IsClient = 1 and IsActive = 1 and IsObsolete = 0
and ResourceID in (select ResourceID from
v_AgentDiscoveries Where AgentName in
('Heartbeat Discovery') and DATEDIFF
(day,AgentTime,GetDate())<23)
and ResourceID in (select ResourceID from
v_GS_WORKSTATION_STATUS where
DATEDIFF (day,LastHWScan,GetDate())<23)
) as 'HW<30Days',
(
Select COUNT(distinct(Name)) from
v_FullCollectionMembership where ResourceID
in (
select ResourceID from v_R_System where
Operating_System_Name_and0 like
```

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```
'%Workstation%') and IsAssigned = 1 and
IsClient = 1 and IsActive = 1 and IsObsolete != 1
and ResourceID in (select ResourceID from
v_AgentDiscoveries Where AgentName in
('Heartbeat Discovery')and DATEDIFF
(day,AgentTime,GetDate())<23)
and ResourceID Not in (select ResourceID from
v_GS_WORKSTATION_STATUS where
DATEDIFF (day,LastHWScan,GetDate())<23)
) as 'HW>30Days',
(
Select COUNT(distinct(Name)) from
v_FullCollectionMembership where ResourceID
in (
select ResourceID from v_R_System where
Operating_System_Name_and0 like
'%Workstation%') and IsAssigned = 1 and
IsClient = 1 and IsActive = 1 and IsObsolete != 1
and ResourceID in (select ResourceID from
v_AgentDiscoveries Where AgentName in
('Heartbeat Discovery') and DATEDIFF
(day,AgentTime,GetDate())<23)
and ResourceID in (select ResourceID from
v_GS_LastSoftwareScan where DATEDIFF
(day,LastScanDate,GetDate())<23)
) as 'SW<30Days',
(
Select COUNT(distinct(Name)) from
v_FullCollectionMembership where ResourceID
in (
select ResourceID from v_R_System where
Operating_System_Name_and0 like
'%Workstation%') and IsAssigned = 1 and
IsClient = 1 and IsActive = 1 and IsObsolete != 1
and ResourceID in (select ResourceID from
v_AgentDiscoveries Where AgentName in
('Heartbeat Discovery') and DATEDIFF
(day,AgentTime,GetDate())<23)
and ResourceID Not in (select ResourceID from
v_GS_LastSoftwareScan where DATEDIFF
(day,LastScanDate,GetDate())<23)
) as 'SW>30Days',
(
Select COUNT(distinct(Name)) from
v_FullCollectionMembership where ResourceID
in (
select ResourceID from v_R_System where
Operating_System_Name_and0 like
'%Workstation%') and IsAssigned = 1 and
IsClient = 1 and IsActive = 1 and IsObsolete != 1
and ResourceID in (select ResourceID from
v_AgentDiscoveries Where AgentName in
('Heartbeat Discovery') and DATEDIFF
(day,AgentTime,GetDate())<23)
and ResourceID in (select ResourceID from
v_UpdateScanStatus where lastErrorCode = 0
and DATEDIFF
(day,LastScanTime,GetDate())<23)
) as 'WSUS<30Days',
(
Select COUNT(distinct(Name)) from
v_FullCollectionMembership where ResourceID
in (
select ResourceID from v_R_System where
Operating_System_Name_and0 like
'%Workstation%') and IsAssigned = 1 and
IsClient = 1 and IsObsolete != 1 and IsActive = 1
```

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```
and ResourceID in (select ResourceID from
v_AgentDiscoveries Where AgentName in
('Heartbeat Discovery') and DATEDIFF
(day,AgentTime,GetDate())<23)
and ResourceID Not in (select ResourceID from
v_UpdateScanStatus where lastErrorCode = 0
and DATEDIFF
(day,LastScanTime,GetDate())<23)
) as 'WSUS>30Days',
(
Select COUNT(distinct(Name)) from
v_FullCollectionMembership where ResourceID
in (
select ResourceID from v_R_System where
Operating_System_Name_and0 like
'%Workstation%') and IsAssigned = 1 and
IsClient = 1 and IsActive = 1 and IsObsolete != 1
and (ResourceID in (select ResourceID from
v_GS_WORKSTATION_STATUS where
DATEDIFF (day,LastHWScan,GetDate())<23)
and ResourceID in (select ResourceID from
v_GS_LastSoftwareScan where DATEDIFF
(day,LastScanDate,GetDate())<23))
) as 'Healthy',
(
Select COUNT(distinct(Name)) from
v_FullCollectionMembership where ResourceID
in (
select ResourceID from v_R_System where
Operating_System_Name_and0 like
'%Workstation%')
and (ResourceID Not in (select ResourceID from
v_GS_WORKSTATION_STATUS where
DATEDIFF (day,LastHWScan,GetDate())<23)
or ResourceID Not in (select ResourceID from
v_GS_LastSoftwareScan where DATEDIFF
(day,LastScanDate,GetDate())<23))
) as 'UnHealthy',
cast( (Select((
Select COUNT(distinct(Name)) from
v_FullCollectionMembership where ResourceID
in (
select ResourceID from v_R_System where
Operating_System_Name_and0 like
'%Workstation%') and IsAssigned = 1 and
IsClient = 1 and IsActive = 1 and IsObsolete != 1
and (ResourceID in (select ResourceID from
v_GS_WORKSTATION_STATUS where
DATEDIFF (day,LastHWScan,GetDate())<23)
and ResourceID in (select ResourceID from
v_GS_LastSoftwareScan where DATEDIFF
(day,LastScanDate,GetDate())<23))
)/(
Select COUNT(distinct(Name)) from
v_FullCollectionMembership where ResourceID
in (
select ResourceID from v_R_System where
Operating_System_Name_and0 like
'%Workstation%') and IsAssigned = 1
))*100) as decimal(5,2))as 'Healthy%',
cast( (Select((
Select COUNT(distinct(Name)) from
v_FullCollectionMembership where ResourceID
in (
select ResourceID from v_R_System where
Operating_System_Name_and0 like
```

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		'%Workstation%') and IsAssigned = 1 and IsClient = 1 and IsActive = 1 and IsObsolete != 1 and ResourceID in (select ResourceID from v_AgentDiscoveries Where AgentName in ('Heartbeat Discovery') and DATEDIFF (day,AgentTime,GetDate())<23) and ResourceID in (select ResourceID from v_UpdateScanStatus where lastErrorCode = 0 and DATEDIFF (day,LastScanTime,GetDate())<23))/(Select COUNT(distinct(Name)) from v_FullCollectionMembership where ResourceID in (select ResourceID from v_R_System where Operating_System_Name_and0 like '%Workstation%') and IsAssigned = 1 and IsClient = 1 and IsActive = 1 and IsObsolete != 1 and (ResourceID in (select ResourceID from v_GS_WORKSTATION_STATUS where DATEDIFF (day,LastHWScan,GetDate())<23) and ResourceID in (select ResourceID from v_GS_LastSoftwareScan where DATEDIFF (day,LastScanDate,GetDate())<23))))*100) as decimal(5,2))as 'WSUS%' ----------

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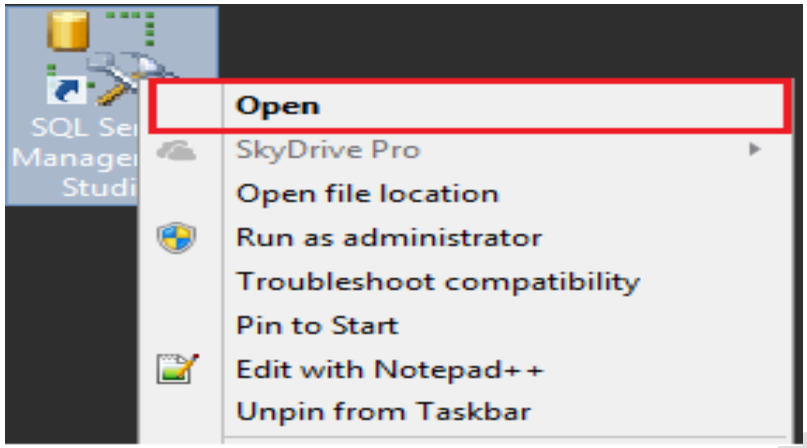
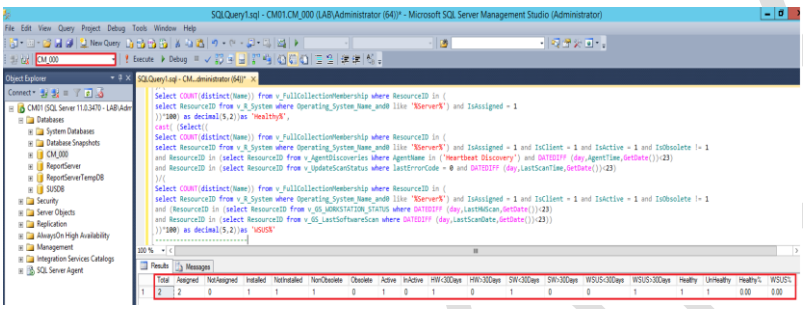
3. Daily - Check Servers Agent Health Status

#	Screen Shot	Steps Instructions
1		Open SQL Server Management Studio.
2		Execute the below query then you will get the Servers Client Health Details. **SQL Query:** ---------- Select (Select COUNT(distinct(Name)) from v_FullCollectionMembership where ResourceID in (select ResourceID from v_R_System where Operating_System_Name_and0 like '%Server%'))as 'Total', (Select COUNT(distinct(Name)) from v_FullCollectionMembership where ResourceID in (select ResourceID from v_R_System where Operating_System_Name_and0 like '%Server%') and IsAssigned = 1)as 'Assigned', (Select COUNT(distinct(Name)) from v_FullCollectionMembership where ResourceID in (select ResourceID from v_R_System where Operating_System_Name_and0 like '%Server%') and IsAssigned != 1)as 'NotAssigned', (Select COUNT(distinct(Name)) from v_FullCollectionMembership where ResourceID in (select ResourceID from v_R_System where Operating_System_Name_and0 like '%Server%') and IsAssigned = 1 and IsClient = 1)as 'Installed', (Select COUNT(distinct(Name)) from v_FullCollectionMembership where ResourceID in (

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```
select ResourceID from v_R_System where
Operating_System_Name_and0 like
'%Server%') and IsAssigned = 1 and IsClient !=
1
)as 'NotInstalled',
(
Select COUNT(distinct(Name)) from
v_FullCollectionMembership where ResourceID
in (
select ResourceID from v_R_System where
Operating_System_Name_and0 like
'%Server%') and IsAssigned = 1 and IsClient = 1
and IsObsolete = 0
)as 'NonObsolete',
(
Select COUNT(distinct(Name)) from
v_FullCollectionMembership where ResourceID
in (
select ResourceID from v_R_System where
Operating_System_Name_and0 like
'%Server%') and IsAssigned = 1 and IsClient = 1
and IsObsolete != 0
)as 'Obsolete',
(
Select COUNT(distinct(Name)) from
v_FullCollectionMembership where ResourceID
in (
select ResourceID from v_R_System where
Operating_System_Name_and0 like
'%Server%') and IsAssigned = 1 and IsClient = 1
and IsActive = 1 and IsObsolete = 0
)as 'Active',
(
Select COUNT(distinct(Name)) from
v_FullCollectionMembership where ResourceID
in (
select ResourceID from v_R_System where
Operating_System_Name_and0 like
'%Server%') and IsAssigned = 1 and IsClient = 1
and IsActive = 0 and IsObsolete = 0
)as 'InActive',
(
Select COUNT(distinct(Name)) from
v_FullCollectionMembership where ResourceID
in (
select ResourceID from v_R_System where
Operating_System_Name_and0 like
'%Server%') and IsAssigned = 1 and IsClient = 1
and IsActive = 1 and IsObsolete = 0
and ResourceID in (select ResourceID from
v_AgentDiscoveries Where AgentName in
('Heartbeat Discovery') and DATEDIFF
(day,AgentTime,GetDate())<23)
and ResourceID in (select ResourceID from
v_GS_WORKSTATION_STATUS where
DATEDIFF (day,LastHWScan,GetDate())<23)
) as 'HW<30Days',
(
Select COUNT(distinct(Name)) from
v_FullCollectionMembership where ResourceID
in (
select ResourceID from v_R_System where
Operating_System_Name_and0 like
'%Server%') and IsAssigned = 1 and IsClient = 1
and IsActive = 1 and IsObsolete != 1
and ResourceID in (select ResourceID from
v_AgentDiscoveries Where AgentName in
```

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```
('Heartbeat Discovery')and DATEDIFF
(day,AgentTime,GetDate())<23)
and ResourceID Not in (select ResourceID from
v_GS_WORKSTATION_STATUS where
DATEDIFF (day,LastHWScan,GetDate())<23)
) as 'HW>30Days',
(
Select COUNT(distinct(Name)) from
v_FullCollectionMembership where ResourceID
in (
select ResourceID from v_R_System where
Operating_System_Name_and0 like
'%Server%') and IsAssigned = 1 and IsClient = 1
and IsActive = 1 and IsObsolete != 1
and ResourceID in (select ResourceID from
v_AgentDiscoveries Where AgentName in
('Heartbeat Discovery') and DATEDIFF
(day,AgentTime,GetDate())<23)
and ResourceID in (select ResourceID from
v_GS_LastSoftwareScan where DATEDIFF
(day,LastScanDate,GetDate())<23)
) as 'SW<30Days',
(
Select COUNT(distinct(Name)) from
v_FullCollectionMembership where ResourceID
in (
select ResourceID from v_R_System where
Operating_System_Name_and0 like
'%Server%') and IsAssigned = 1 and IsClient = 1
and IsActive = 1 and IsObsolete != 1
and ResourceID in (select ResourceID from
v_AgentDiscoveries Where AgentName in
('Heartbeat Discovery') and DATEDIFF
(day,AgentTime,GetDate())<23)
and ResourceID Not in (select ResourceID from
v_GS_LastSoftwareScan where DATEDIFF
(day,LastScanDate,GetDate())<23)
) as 'SW>30Days',
(
Select COUNT(distinct(Name)) from
v_FullCollectionMembership where ResourceID
in (
select ResourceID from v_R_System where
Operating_System_Name_and0 like
'%Server%') and IsAssigned = 1 and IsClient = 1
and IsActive = 1 and IsObsolete != 1
and ResourceID in (select ResourceID from
v_AgentDiscoveries Where AgentName in
('Heartbeat Discovery') and DATEDIFF
(day,AgentTime,GetDate())<23)
and ResourceID in (select ResourceID from
v_UpdateScanStatus where lastErrorCode = 0
and DATEDIFF
(day,LastScanTime,GetDate())<23)
) as 'WSUS<30Days',
(
Select COUNT(distinct(Name)) from
v_FullCollectionMembership where ResourceID
in (
select ResourceID from v_R_System where
Operating_System_Name_and0 like
'%Server%') and IsAssigned = 1 and IsClient = 1
and IsObsolete != 1 and IsActive = 1
and ResourceID in (select ResourceID from
v_AgentDiscoveries Where AgentName in
('Heartbeat Discovery') and DATEDIFF
(day,AgentTime,GetDate())<23)
```

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```
and ResourceID Not in (select ResourceID from
v_UpdateScanStatus where lastErrorCode = 0
and DATEDIFF
(day,LastScanTime,GetDate())<23)
) as 'WSUS>30Days',
(
Select COUNT(distinct(Name)) from
v_FullCollectionMembership where ResourceID
in (
select ResourceID from v_R_System where
Operating_System_Name_and0 like
'%Server%') and IsAssigned = 1 and IsClient = 1
and IsActive = 1 and IsObsolete != 1
and (ResourceID in (select ResourceID from
v_GS_WORKSTATION_STATUS where
DATEDIFF (day,LastHWScan,GetDate())<23)
and ResourceID in (select ResourceID from
v_GS_LastSoftwareScan where DATEDIFF
(day,LastScanDate,GetDate())<23))
) as 'Healthy',
(
Select COUNT(distinct(Name)) from
v_FullCollectionMembership where ResourceID
in (
select ResourceID from v_R_System where
Operating_System_Name_and0 like
'%Server%')
and (ResourceID Not in (select ResourceID from
v_GS_WORKSTATION_STATUS where
DATEDIFF (day,LastHWScan,GetDate())<23)
or ResourceID Not in (select ResourceID from
v_GS_LastSoftwareScan where DATEDIFF
(day,LastScanDate,GetDate())<23))
) as 'UnHealthy',
cast( (Select((
Select COUNT(distinct(Name)) from
v_FullCollectionMembership where ResourceID
in (
select ResourceID from v_R_System where
Operating_System_Name_and0 like
'%Server%') and IsAssigned = 1 and IsClient = 1
and IsActive = 1 and IsObsolete != 1
and (ResourceID in (select ResourceID from
v_GS_WORKSTATION_STATUS where
DATEDIFF (day,LastHWScan,GetDate())<23)
and ResourceID in (select ResourceID from
v_GS_LastSoftwareScan where DATEDIFF
(day,LastScanDate,GetDate())<23))
)/(
Select COUNT(distinct(Name)) from
v_FullCollectionMembership where ResourceID
in (
select ResourceID from v_R_System where
Operating_System_Name_and0 like
'%Server%') and IsAssigned = 1
))*100) as decimal(5,2))as 'Healthy%',
cast( (Select((
Select COUNT(distinct(Name)) from
v_FullCollectionMembership where ResourceID
in (
select ResourceID from v_R_System where
Operating_System_Name_and0 like
'%Server%') and IsAssigned = 1 and IsClient = 1
and IsActive = 1 and IsObsolete != 1
and ResourceID in (select ResourceID from
v_AgentDiscoveries Where AgentName in
```

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		('Heartbeat Discovery') and DATEDIFF (day,AgentTime,GetDate())<23) and ResourceID in (select ResourceID from v_UpdateScanStatus where lastErrorCode = 0 and DATEDIFF (day,LastScanTime,GetDate())<23))/(Select COUNT(distinct(Name)) from v_FullCollectionMembership where ResourceID in (select ResourceID from v_R_System where Operating_System_Name_and0 like '%Server%') and IsAssigned = 1 and IsClient = 1 and IsActive = 1 and IsObsolete != 1 and (ResourceID in (select ResourceID from v_GS_WORKSTATION_STATUS where DATEDIFF (day,LastHWScan,GetDate())<23) and ResourceID in (select ResourceID from v_GS_LastSoftwareScan where DATEDIFF (day,LastScanDate,GetDate())<23))))*100) as decimal(5,2))as 'WSUS%' ----------

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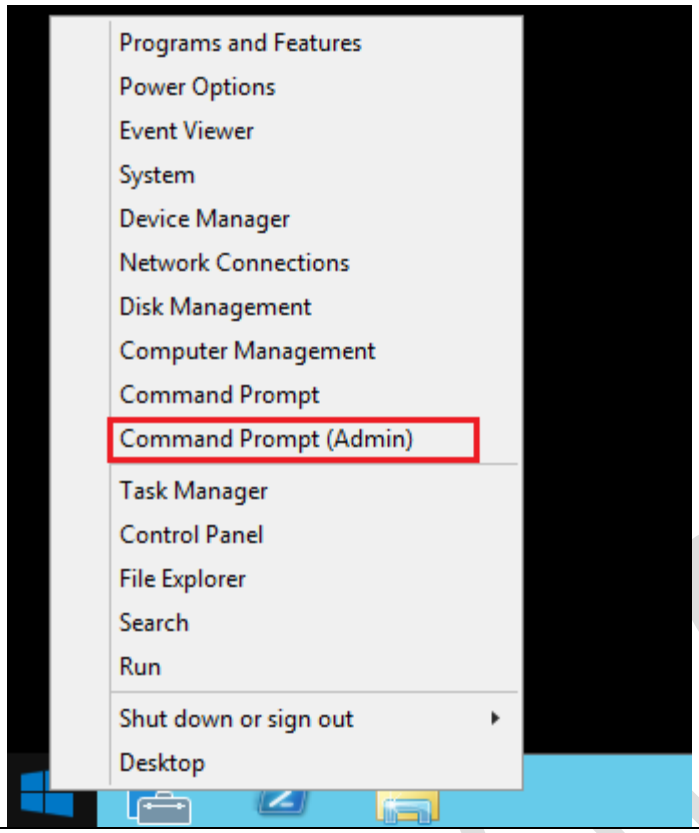
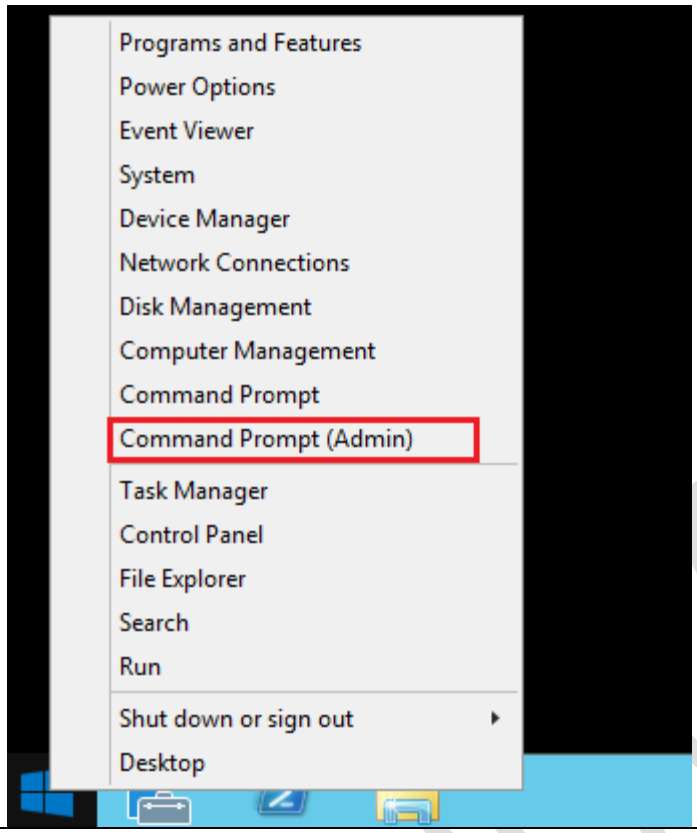
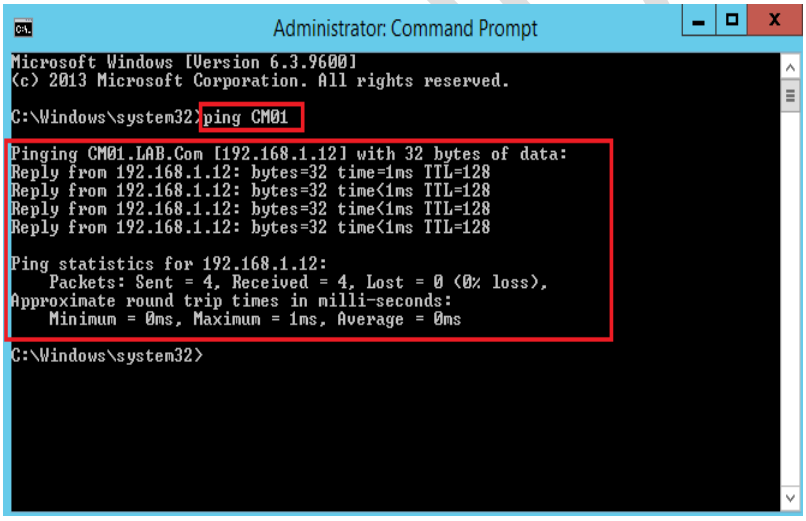
4. Daily - Check Workstations Client Health Summary Status

#	Screen Shot	Steps Instructions
1		Logon any of the ConfigMgr server

DO NOT COPY

5. Daily - Check ConfigMgr Servers Inventory Status

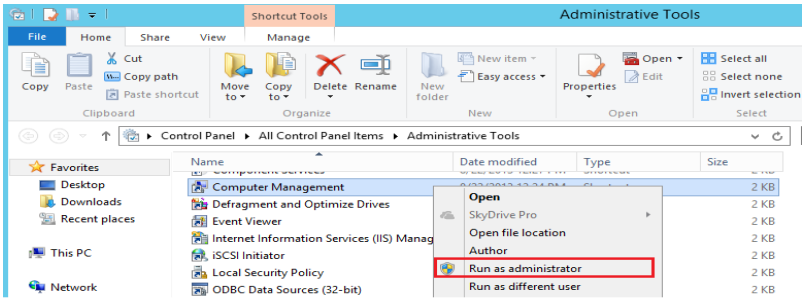
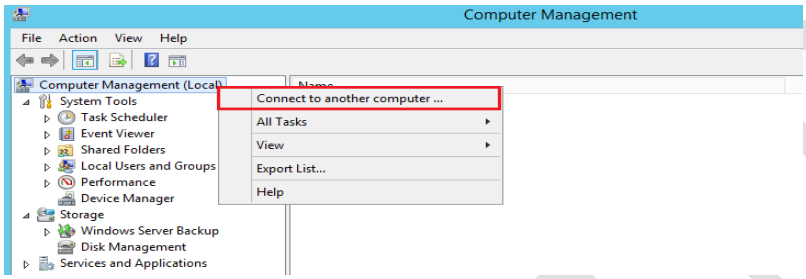
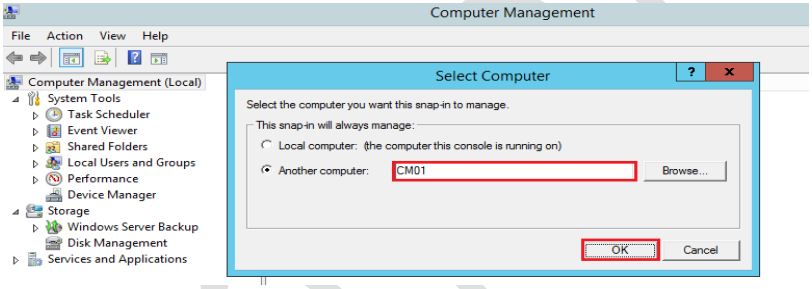
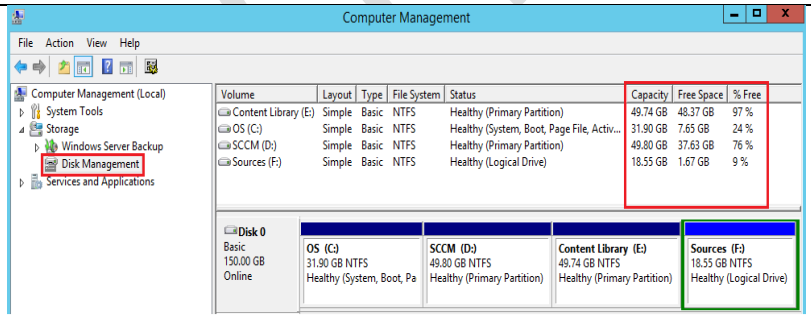
Pull the ConfigMgr Servers list from ConfigMgr Central Database or refer the ConfigMgr Design documents to get the Site servers list.

#	Screen Shot	Steps Instructions
1		Logon any of the ConfigMgr server 2. Start → Command Prompt (Admin) → Click.
2		In the Command Prompt window. 2. Type ping command space server name E.g.: Ping CM02 If a server is not pingable: 2. Identify the problem and work on to fix the issues.

COPY

6. Daily - Check Servers Disk Space Percentage Status

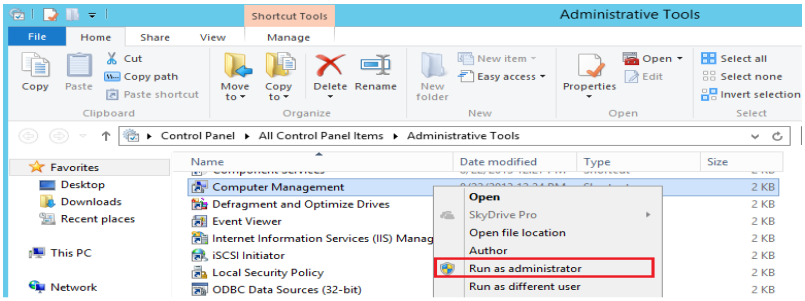
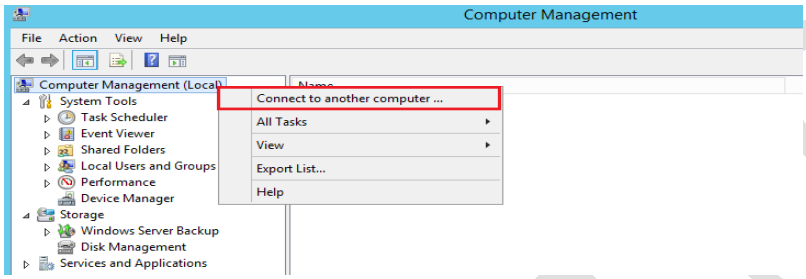
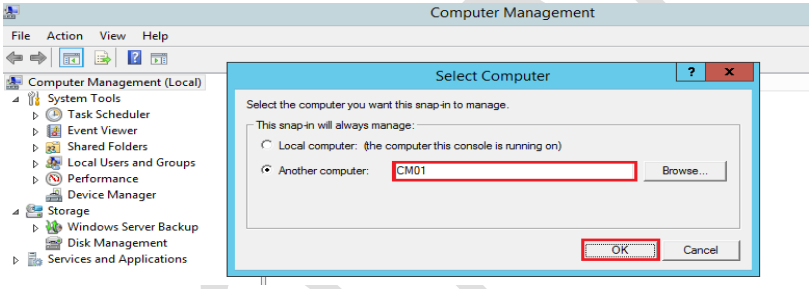
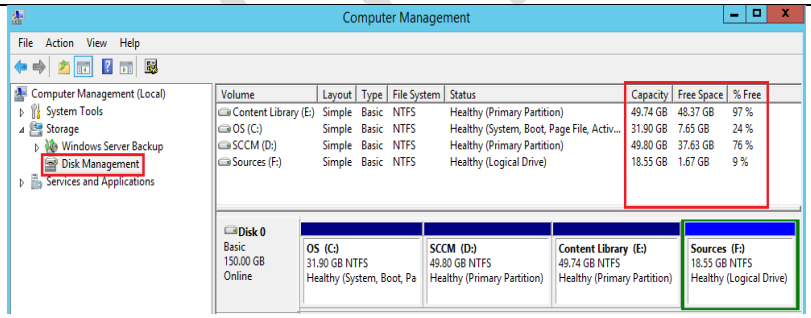
Pull the ConfigMgr Servers list from ConfigMgr Central Database or refer the ConfigMgr Design documents to get the Site servers list.

#	Screen Shot	Steps Instructions
1		Select **Computer Management** → Right Click → **Run as Administrator** → Click.
2		Select **Computer management** → Right Click → **Select Connect to another computer** → Click.
3		Select the Server name and click OK.
4		Expand Disk Management → See the Disk space size information on right side.

COPY

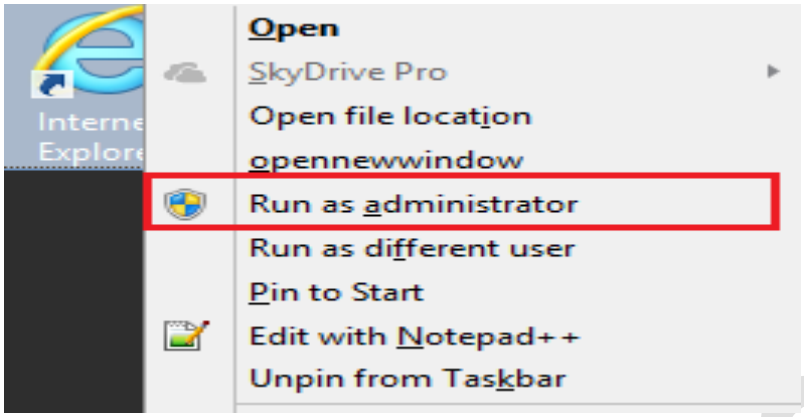
7. Daily - Check Servers Disk Space GB Status

Pull the ConfigMgr Servers list from ConfigMgr Central Database or refer the ConfigMgr Design documents to get the Site servers list.

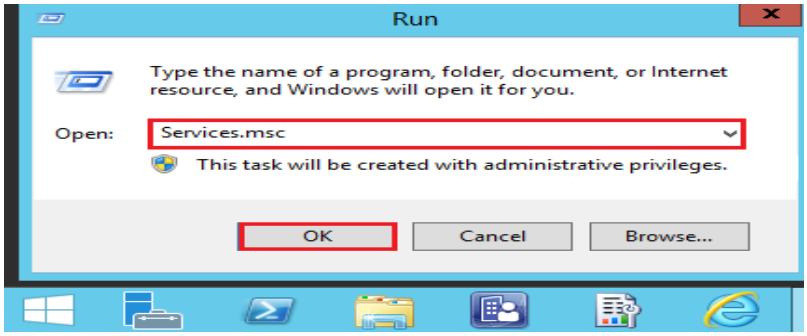
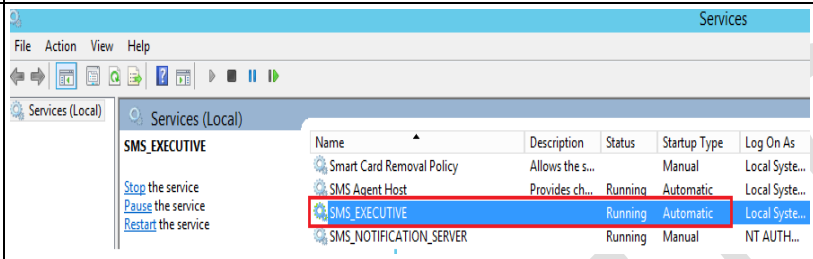
#	Screen Shot	Steps Instructions
1		Select **Computer Management** → Right Click → **Run as Administrator** → Click.
2		Select **Computer management** → Right Click → **Select Connect to another computer** → Click.
3		Select the Server name and click OK.
4		Expand Disk Management → See the Disk space size information on right side.

8. Daily - Check MP Cert and MP List Status

Pull the MP Servers list from ConfigMgr Central Database or refer the ConfigMgr Design documents to get the MP servers list.

#	Screen Shot	Steps Instructions
1		Open Internet Explorer application.
2		Provide the below MP List URL. http://siteservername/SMS_MP/.sms_aut?MPLIST Ensure there should not be any error on this page. E.g.: http://CM01/SMS_MP/.sms_aut?MPLIST If any error message: 1. Identify the problem and start work on to fix the issue.
3		Provide the below MP Cert URL. http://siteservername/SMS_MP/.sms_aut?MPCERT Ensure there should not be any error on this page. E.g.: http://CM01/SMS_MP/.sms_aut?MPCERT If any error message: 1. Identify the problem and work on to fix the issues.

9. Daily - Check ConfigMgr Services Status

#	Screen Shot	Steps Instructions
1		Open Services on ConfigMgr Server.
2		Check the below Services one by one should be running and automatic status. 1. SMS Agent Host 2. SMS_EXECUTIVE 3. SMS_NOTIFICATION_SERVER 4. SMS_SITE_COMPONENT_MANAGER 5. SMS_SITE_VSS_WRITER 6. SMS_SITE_SQL_BACKUP 7. MSSQLSERVER 8. SQLSERVERAGENT 9. SQL Server Reporting Services (MSSQLSERVER) 10. Windows Management Instrumentation 11. SQL Server VSS Writer 12. SMS_SITE_BACKUP → Startup type (Manual) → Status (Not Running) 13. If any other services which is related to ConfigMgr. If a service is not running or disable: 1. Identify the Problem and start to work on to fix the issues.

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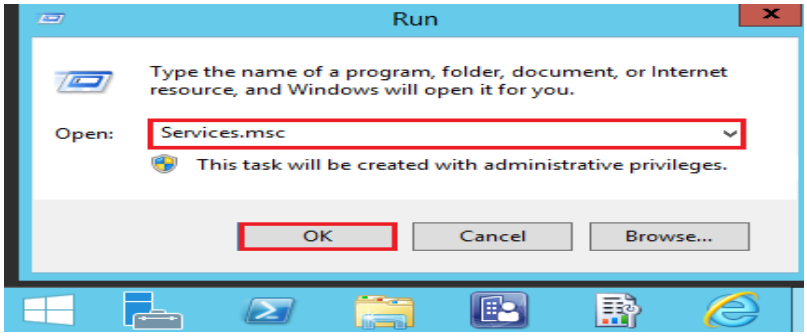
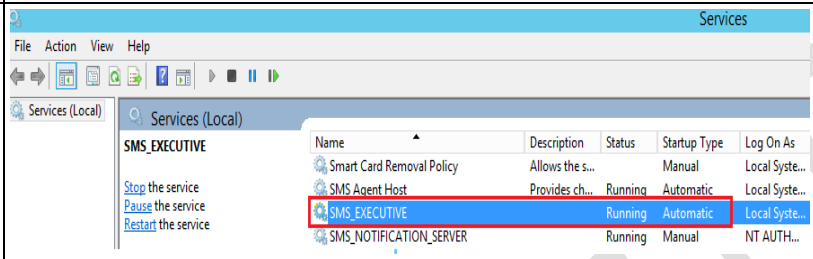
10. Daily - Check Nomad Services Status

#	Screen Shot	Steps Instructions
1		Open Services on ConfigMgr Server.
2		Check the below Services one by one should be running and automatic status. 14. SMS Agent Host 15. SMS_EXECUTIVE 16. SMS_NOTIFICATION_SERVER 17. SMS_SITE_COMPONENT_MANAGER 18. SMS_SITE_VSS_WRITER 19. SMS_SITE_SQL_BACKUP 20. MSSQLSERVER 21. SQLSERVERAGENT 22. SQL Server Reporting Services (MSSQLSERVER) 23. Windows Management Instrumentation 24. SQL Server VSS Writer 25. SMS_SITE_BACKUP → Startup type (Manual) → Status (Not Running) 26. If any other services which is related to ConfigMgr. If a service is not running or disable: 2. Identify the Problem and start to work on to fix the issues.

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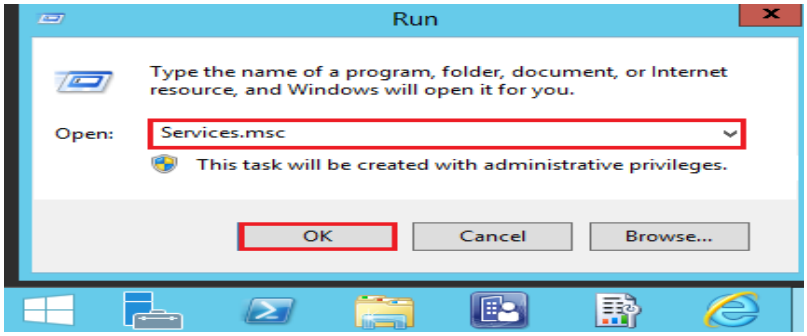
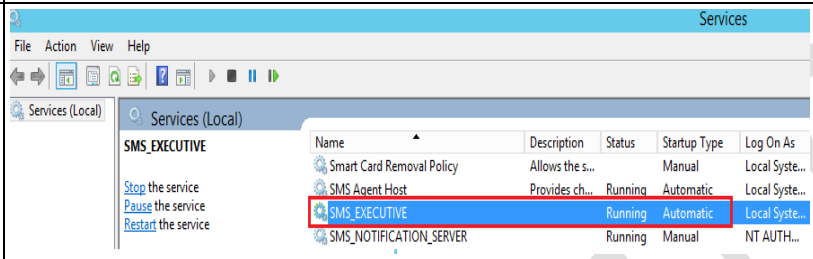
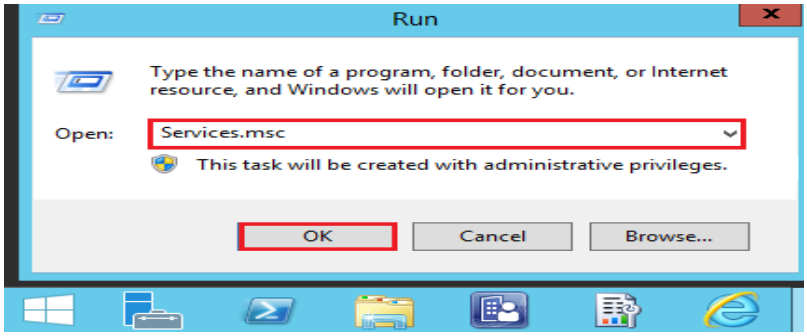
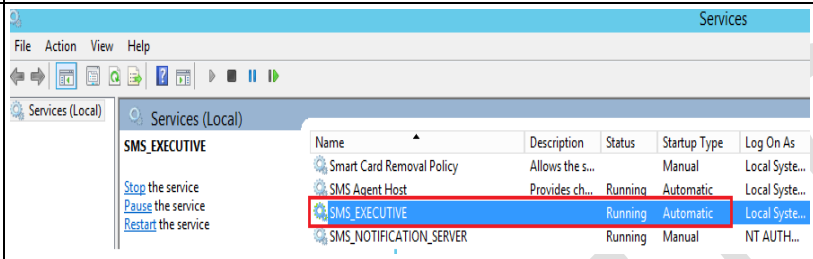
11. Daily - Check Adaptiva Services Status

#	Screen Shot	Steps Instructions
1		Open Services on ConfigMgr Server.
2		Check the below Services one by one should be running and automatic status. 27. SMS Agent Host 28. SMS_EXECUTIVE 29. SMS_NOTIFICATION_SERVER 30. SMS_SITE_COMPONENT_MANAGER 31. SMS_SITE_VSS_WRITER 32. SMS_SITE_SQL_BACKUP 33. MSSQLSERVER 34. SQLSERVERAGENT 35. SQL Server Reporting Services (MSSQLSERVER) 36. Windows Management Instrumentation 37. SQL Server VSS Writer 38. SMS_SITE_BACKUP → Startup type (Manual) → Status (Not Running) 39. If any other services which is related to ConfigMgr. If a service is not running or disable: 3. Identify the Problem and start to work on to fix the issues.

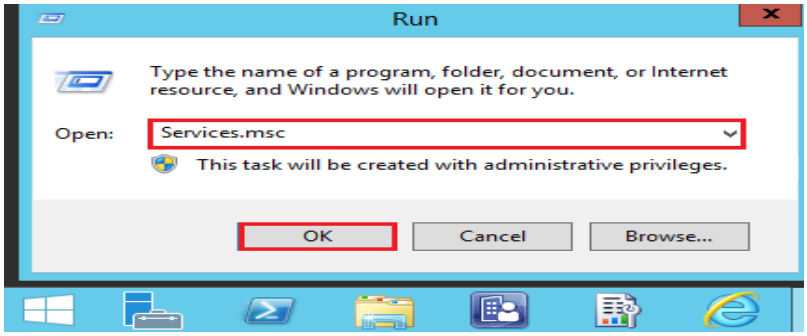
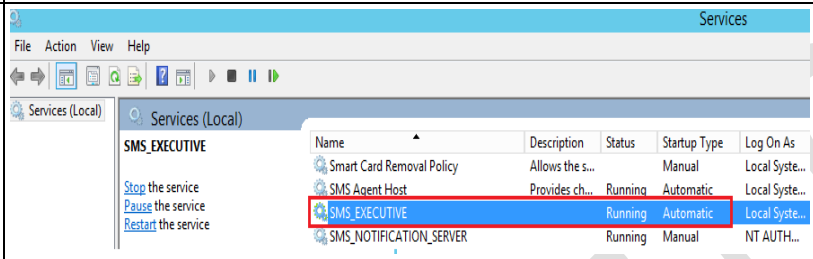
DO NOT COPY

12. Daily - Check Adaptiva Servers Logs Status

#	Screen Shot	Steps Instructions
1		Open Services on ConfigMgr Server.
2		Check the below Services one by one should be running and automatic status. 40. SMS Agent Host 41. SMS_EXECUTIVE 42. SMS_NOTIFICATION_SERVER 43. SMS_SITE_COMPONENT_MANAGER 44. SMS_SITE_VSS_WRITER 45. SMS_SITE_SQL_BACKUP 46. MSSQLSERVER 47. SQLSERVERAGENT 48. SQL Server Reporting Services (MSSQLSERVER) 49. Windows Management Instrumentation 50. SQL Server VSS Writer 51. SMS_SITE_BACKUP → Startup type (Manual) → Status (Not Running) 52. If any other services which is related to ConfigMgr. If a service is not running or disable: 4. Identify the Problem and start to work on to fix the issues.

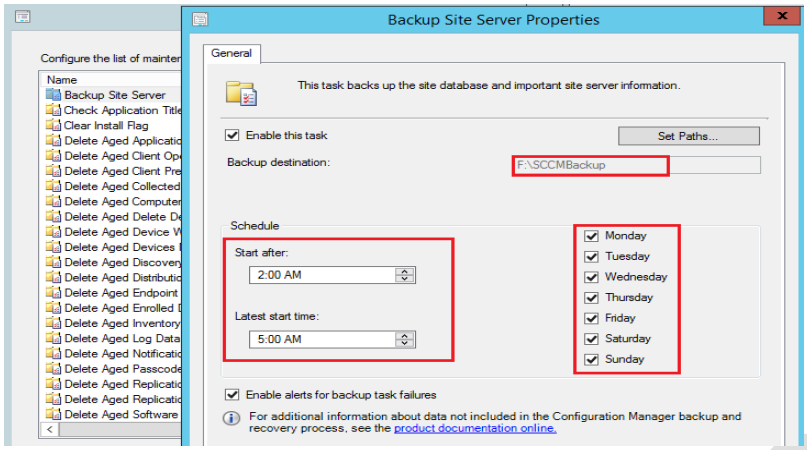
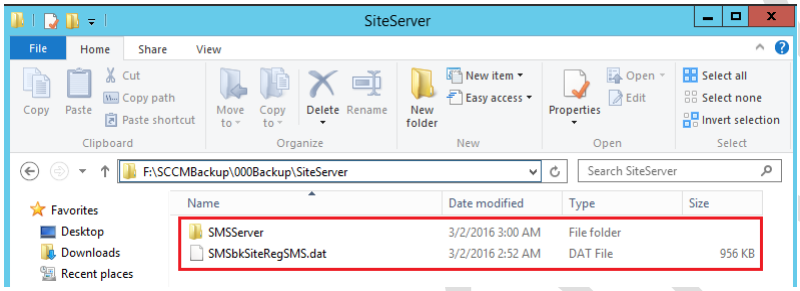
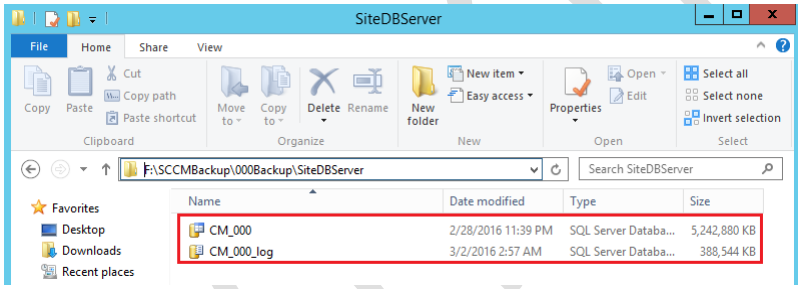
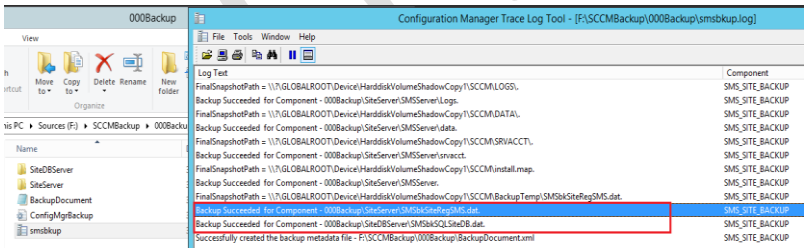
DO NOT COPY

13. Daily - Check Content Distribution Status

#	Screen Shot	Steps Instructions
1		Open Services on ConfigMgr Server.
2		Check the below Services one by one should be running and automatic status. 53. SMS Agent Host 54. SMS_EXECUTIVE 55. SMS_NOTIFICATION_SERVER 56. SMS_SITE_COMPONENT_MANAGER 57. SMS_SITE_VSS_WRITER 58. SMS_SITE_SQL_BACKUP 59. MSSQLSERVER 60. SQLSERVERAGENT 61. SQL Server Reporting Services (MSSQLSERVER) 62. Windows Management Instrumentation 63. SQL Server VSS Writer 64. SMS_SITE_BACKUP → Startup type (Manual) → Status (Not Running) 65. If any other services which is related to ConfigMgr. If a service is not running or disable: 5. Identify the Problem and start to work on to fix the issues.

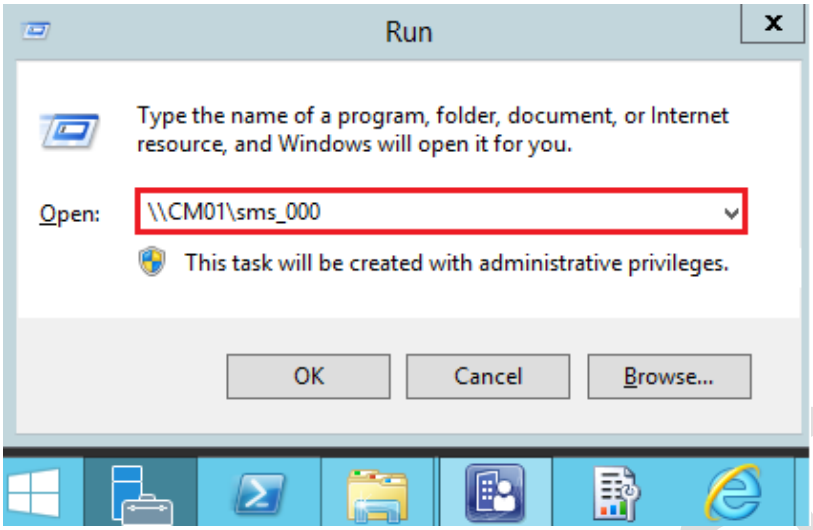
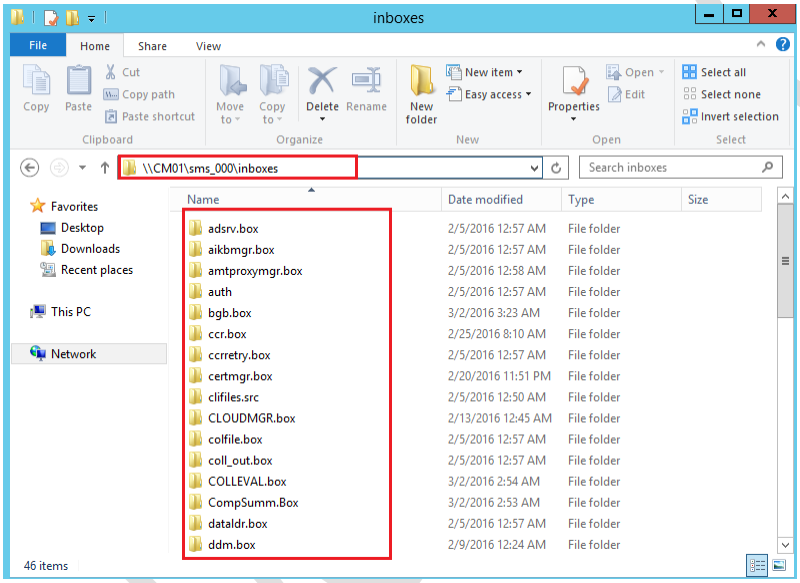
DO NOT COPY

14. Daily - Check Backup Status

#	Screen Shot	Steps Instructions
1		Check and ensure ConfigMgr backup configured path.
2	  	Open the ConfigMgr Backup folder path. 1. Ensure the Site Server Backup. 2. Ensure the Site Database Backup. 3. Verify ConfigMgr backup log file. If ConfigMgr backup failed: 1. Identify the problem and start to work on to fix the issues.

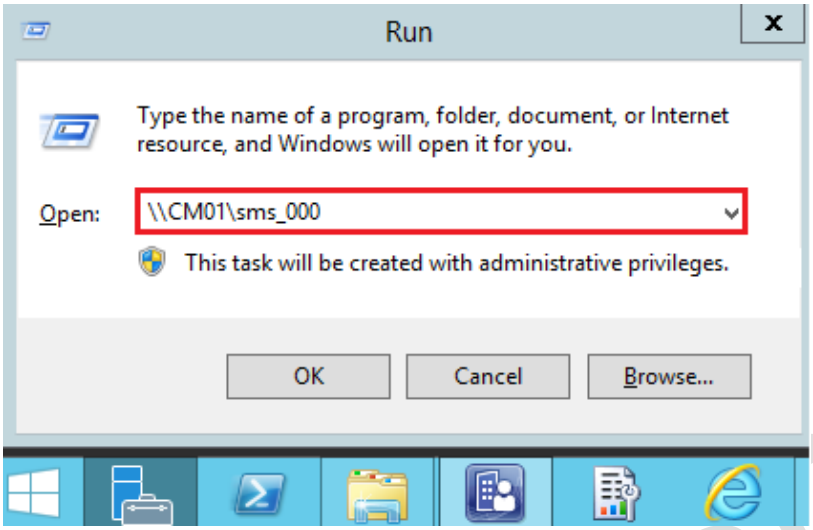
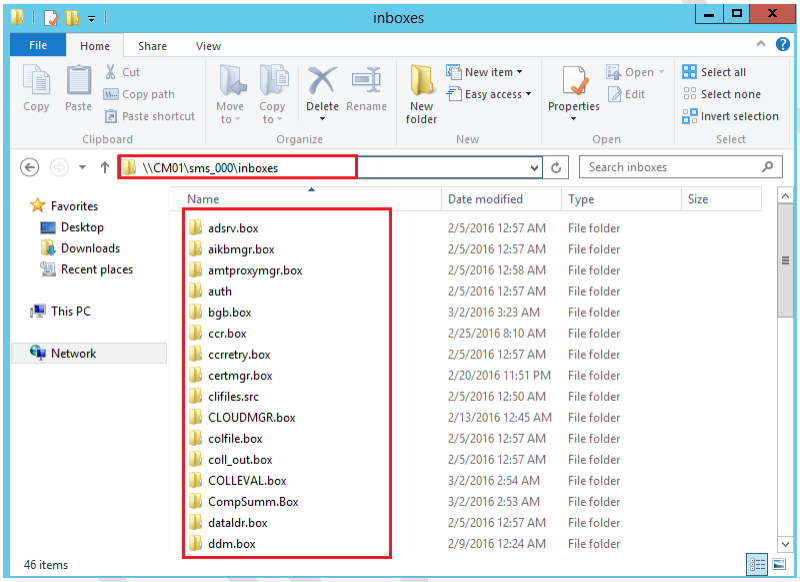
COPY

15. Daily - Check Deleting Bad or Corrupted Inbox Files

#	Screen Shot	Steps Instructions
1		Open Run command 1) Type below command then click OK \\SiteServerName\SMS_SiteCode E.g.: \\CM01\SMS_000
2		Manually open each and every folder in inbox folder and check and files counts and folder size. 1. If any folders files are more than 5000 counts which are not processed then backlog issue. Check ConfigMgr inbox folder: 1. Identify the problem and start work on fix the issues.

DO NOT COPY

16. Daily - Check Inbox Status

#	Screen Shot	Steps Instructions
1		Open Run command 2) Type below command then click OK \\SiteServerName\SMS_SiteCode E.g.: \\CM01\SMS_000
2		Manually open each and every folder in inbox folder and check and files counts and folder size. 2. If any folders files are more than 5000 counts which are not processed then backlog issue. Check ConfigMgr inbox folder: 2. Identify the problem and start work on fix the issues.

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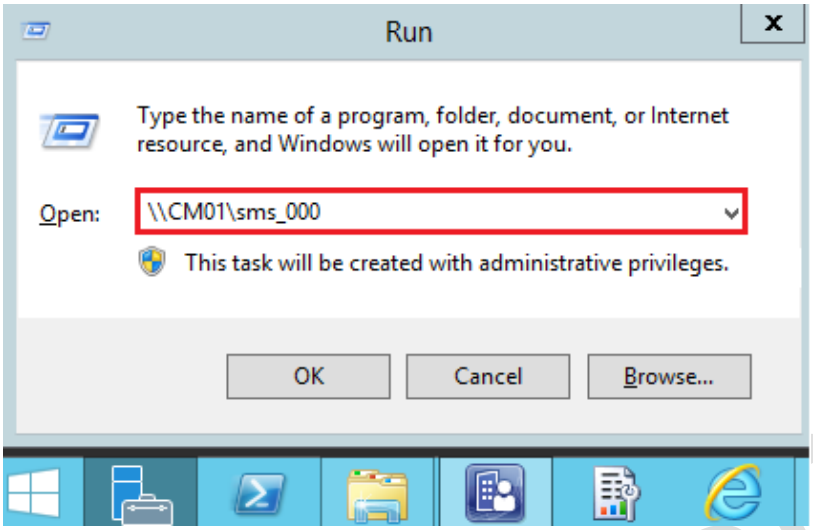
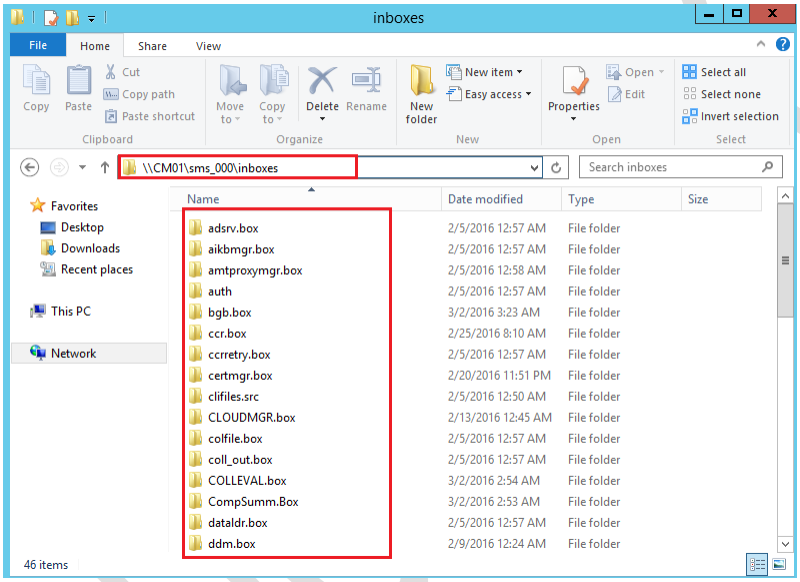
17. Monthly - Check Monthly IIS Log Folders Status

#	Screen Shot	Steps Instructions
1		Open Run command 3) Type below command then click OK \\SiteServerName\SMS_SiteCode E.g.: \\CM01\SMS_000
2		Manually open each and every folder in inbox folder and check and files counts and folder size. 3. If any folders files are more than 5000 counts which are not processed then backlog issue. Check ConfigMgr inbox folder: 3. Identify the problem and start work on fix the issues.

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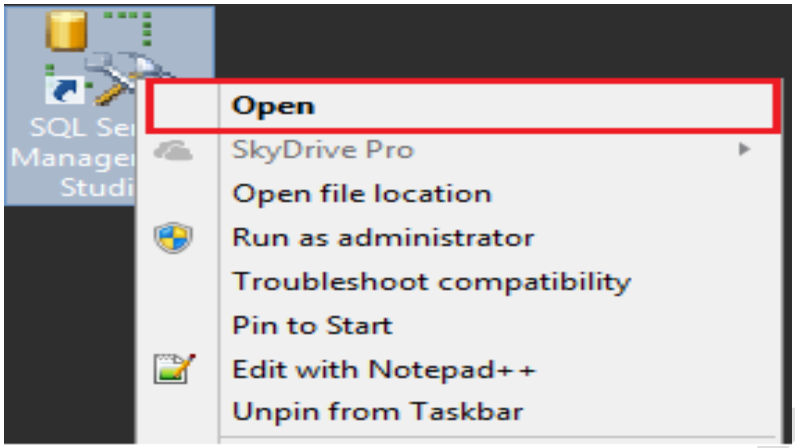
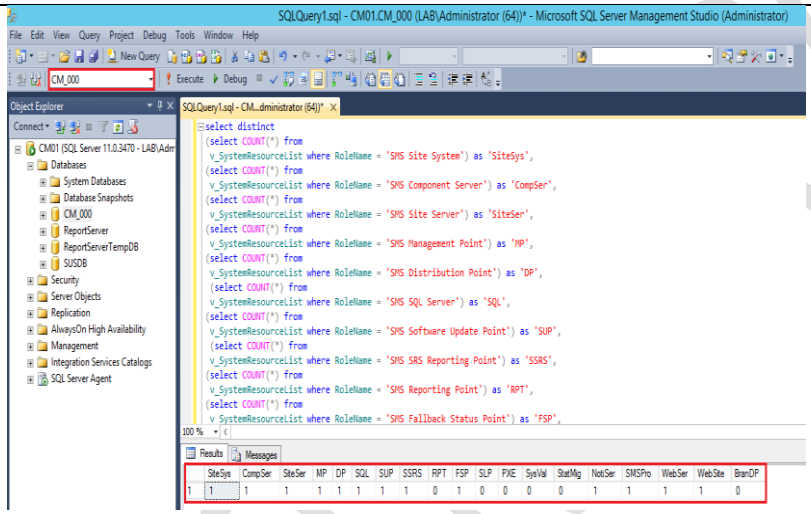
18. Daily - Check ConfigMgr Issue Servers Status

#	Screen Shot	Steps Instructions
1		Open SQL Server Management Studio.
2		Execute the below query then you will get the ConfigMgr Overall Site Servers roles information. **SQL Query:** --- select distinct (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS Site System') as 'SiteSys', (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS Component Server') as 'CompSer', (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS Site Server') as 'SiteSer', (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS Management Point') as 'MP', (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS Distribution Point') as 'DP', (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS SQL Server') as 'SQL', (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS Software Update Point') as 'SUP', (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS SRS Reporting Point') as (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS Branch distribution point') as 'BranDP' from v_SystemResourceList ---

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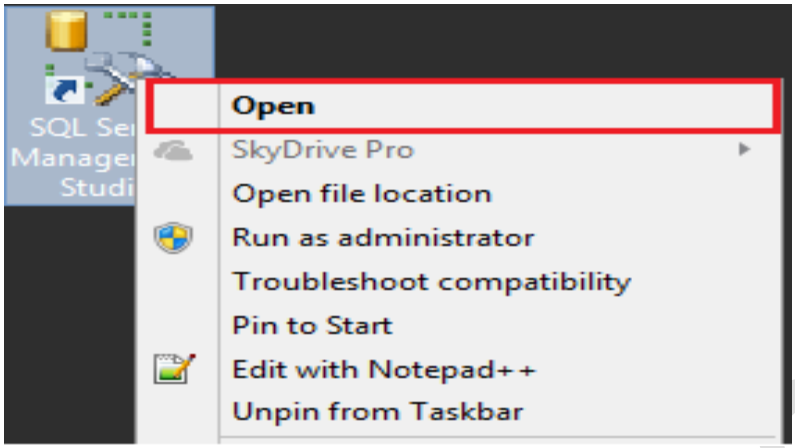
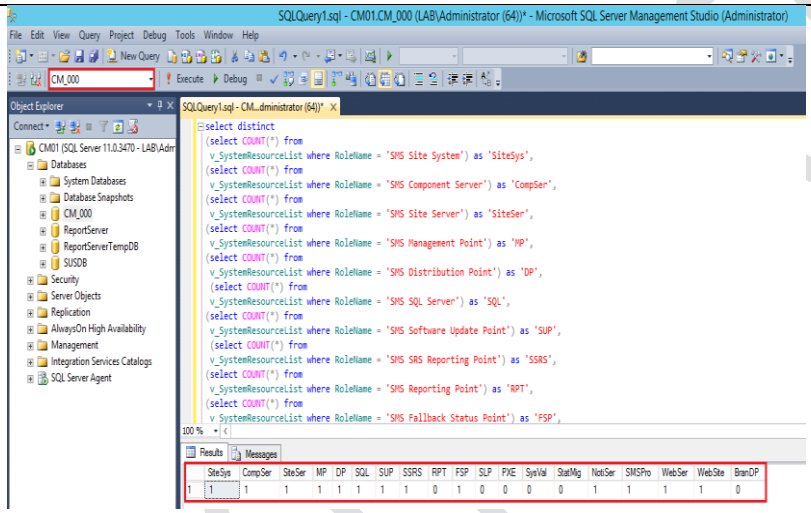
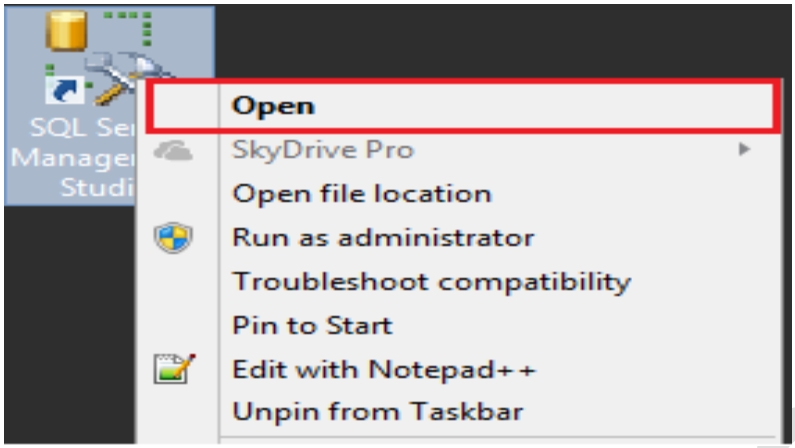
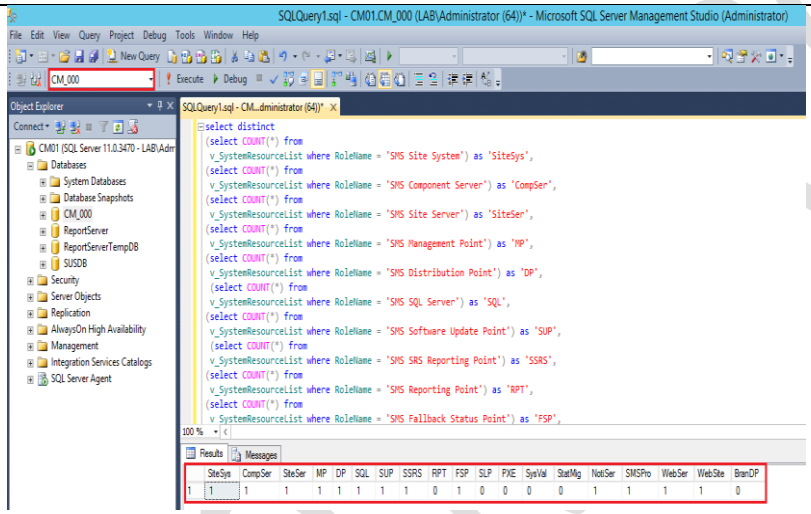
19. Daily - Check SUP Synchronization Status

#	Screen Shot	Steps Instructions
1		Open SQL Server Management Studio.
2		Execute the below query then you will get the ConfigMgr Overall Site Servers roles information. **SQL Query:** --- select distinct (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS Site System') as 'SiteSys', (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS Component Server') as 'CompSer', (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS Site Server') as 'SiteSer', (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS Management Point') as 'MP', (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS Distribution Point') as 'DP', (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS SQL Server') as 'SQL', (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS Server Locator Point') as 'SLP', (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS PXE Server Point') as 'PXE', (select COUNT(*) from v_SystemResourceList where RoleName = ---

DO NOT COPY

20. Daily - Check ConfigMgr Roles Detailed Status

#	Screen Shot	Steps Instructions
1		Open SQL Server Management Studio.
2		Execute the below query then you will get the ConfigMgr Overall Site Servers roles information. **SQL Query:** --- select distinct (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS Site System') as 'SiteSys', (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS Component Server') as 'CompSer', (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS Site Server') as 'SiteSer', (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS Management Point') as 'MP', (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS Distribution Point') as 'DP', (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS SQL Server') as 'SQL', (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS Software Update Point') as 'SUP', (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS SRS Reporting Point') as 'SSRS', (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS Reporting Point') as 'RPT', (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS Fallback Status Point') as 'FSP', (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS Server Locator Point') as 'SLP',

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		(select COUNT(*) from v_SystemResourceList where RoleName = 'SMS PXE Server Point') as 'PXE', (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS System Healthy Validation Point') as 'SysVal', (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS State Migration Point') as 'StatMig', (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS NotIfication Server') as 'NotiSer', (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS Provider') as 'SMSPro', (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS Application Web Service') as 'WebSer', (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS Portal Web Site') as 'WebSite', (select COUNT(*) from v_SystemResourceList where RoleName = 'SMS Branch distribution point') as 'BranDP' from v_SystemResourceList ----------

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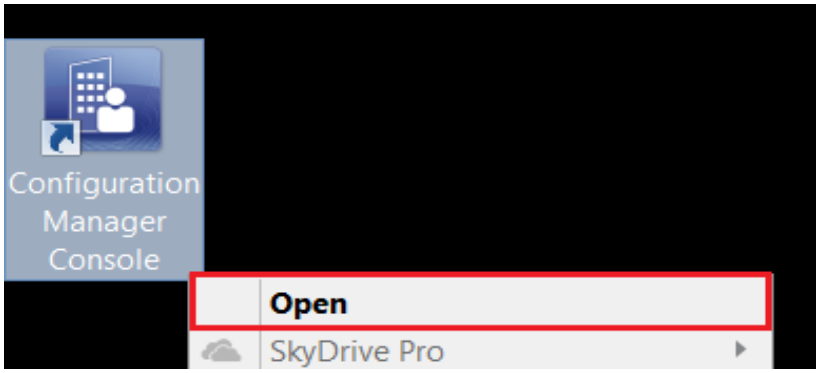
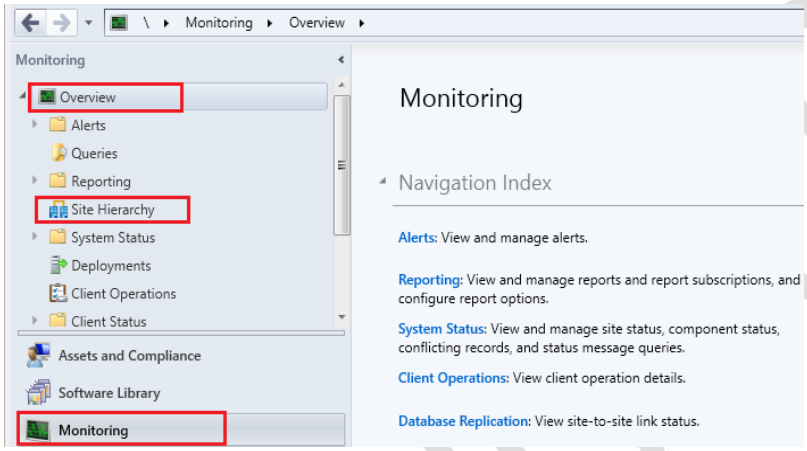
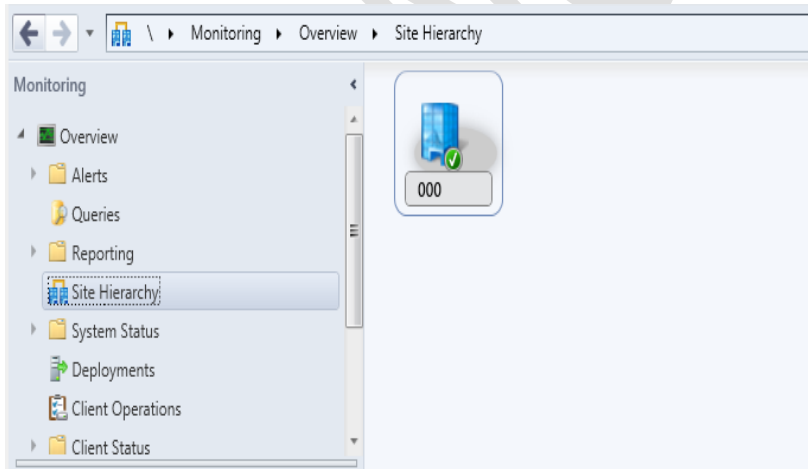
21. Daily - Check Current Deployments Status

#	Screen Shot	Steps Instructions
1		Launch Configuration Manager Console.
2		Go to Monitoring → Select → Site Hierarchy.
3		Green tick on the Site Hierachy indicates the Site health. If a server is shown in red: 4. Identify the problem and start to work on to fix the issues.

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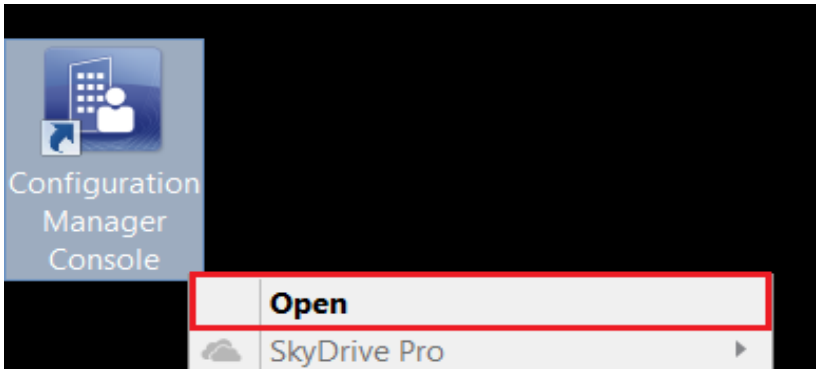
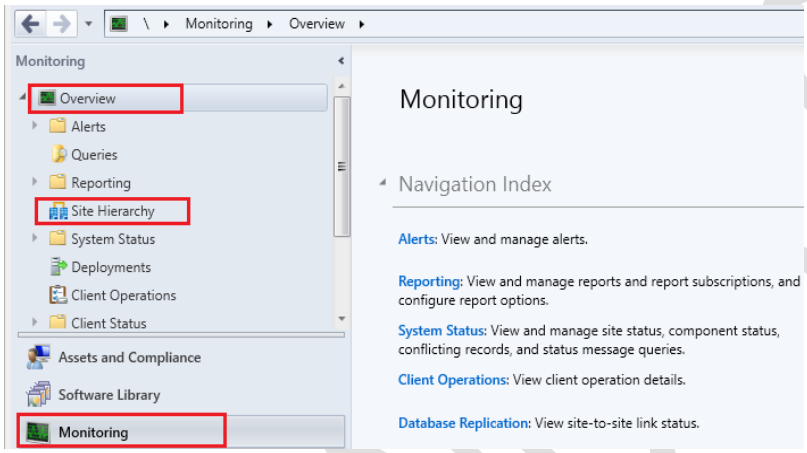
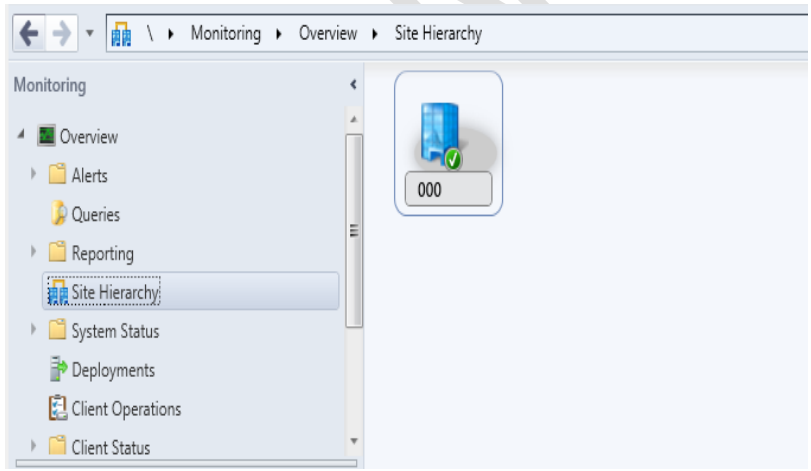
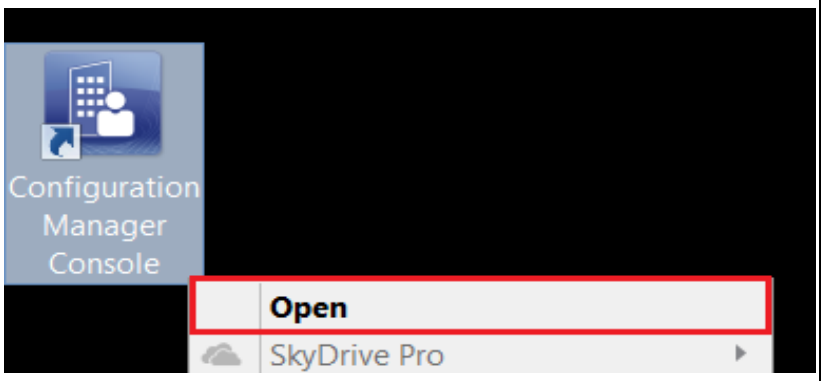
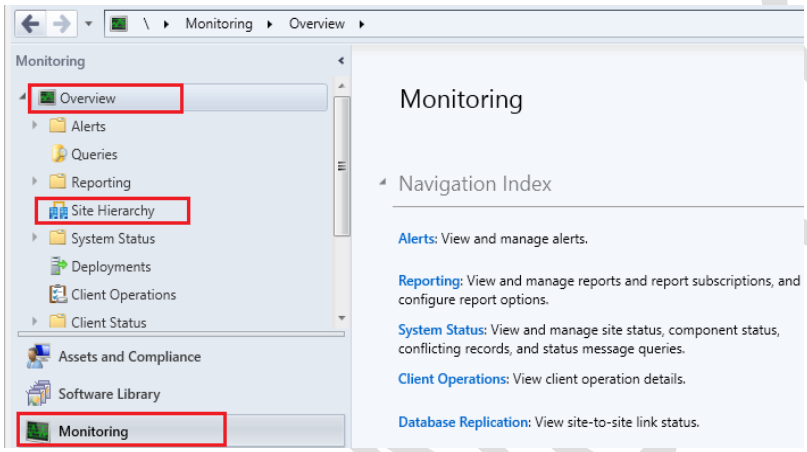
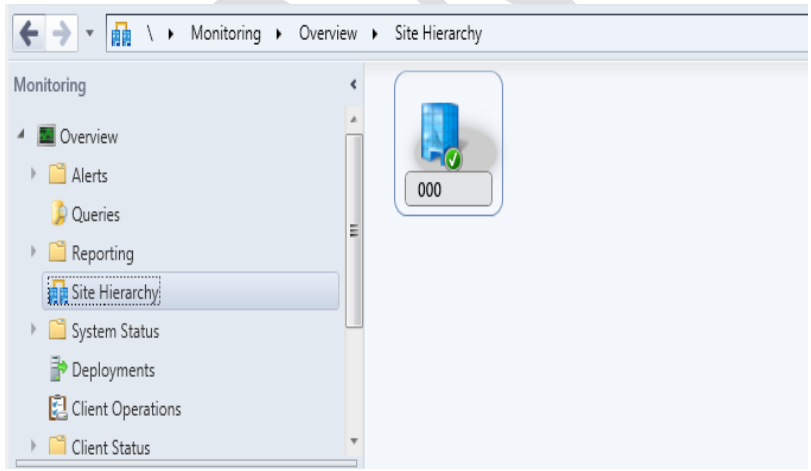
22. Daily - Check Software Deployments and CSV Status

#	Screen Shot	Steps Instructions
1		Launch Configuration Manager Console.
2		Go to Monitoring → Select → Site Hierarchy.
3		Green tick on the Site Hierachy indicates the Site health. If a server is shown in red: 5. Identify the problem and start to work on to fix the issues.

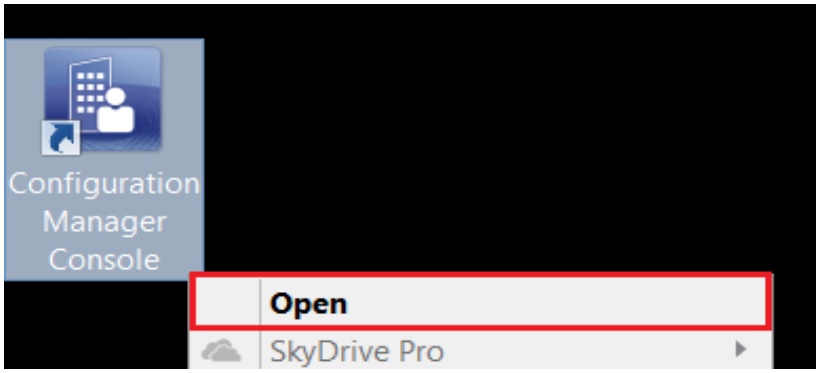
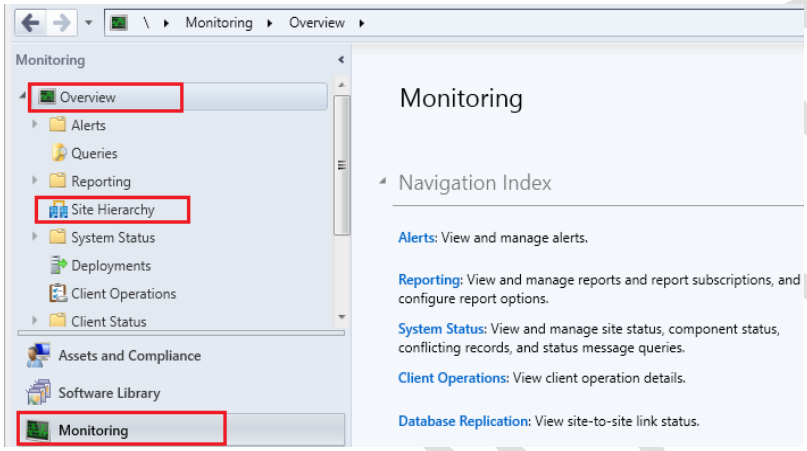
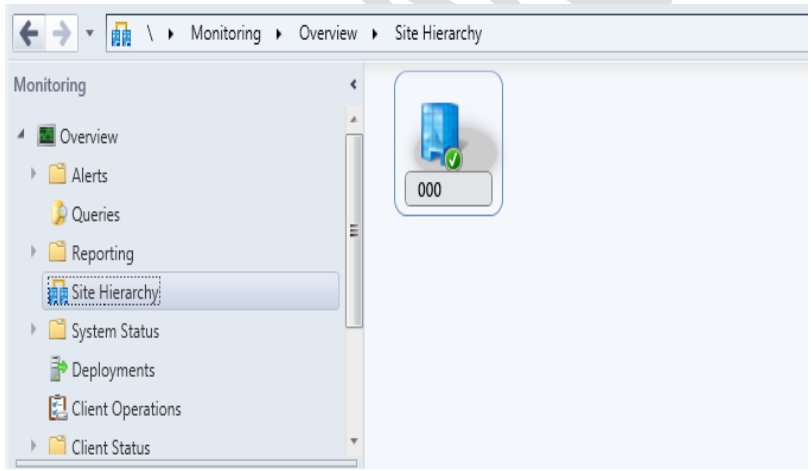
NO COPY

23. Daily - Check Application Deployments Status

#	Screen Shot	Steps Instructions
1		Launch Configuration Manager Console.
2		Go to Monitoring → Select → Site Hierarchy.
3		Green tick on the Site Hierachy indicates the Site health. If a server is shown in red: 6. Identify the problem and start to work on to fix the issues.

COPY

24. Daily - Check Patch Deployments Status

#	Screen Shot	Steps Instructions
1		Launch Configuration Manager Console.
2		Go to Monitoring → Select → Site Hierarchy.
3		Green tick on the Site Hierachy indicates the Site health. If a server is shown in red: 7. Identify the problem and start to work on to fix the issues.

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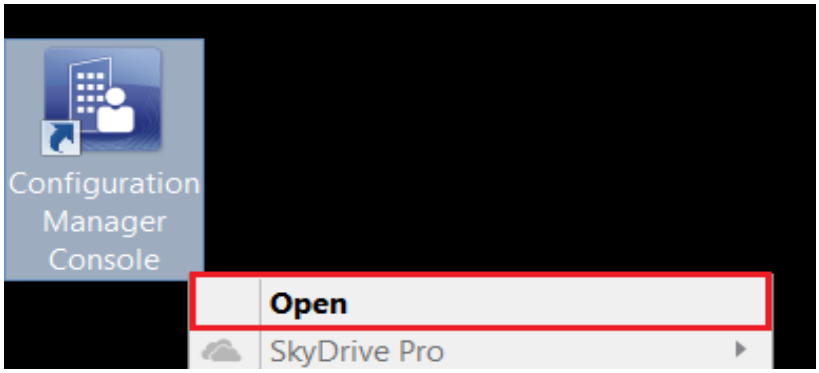
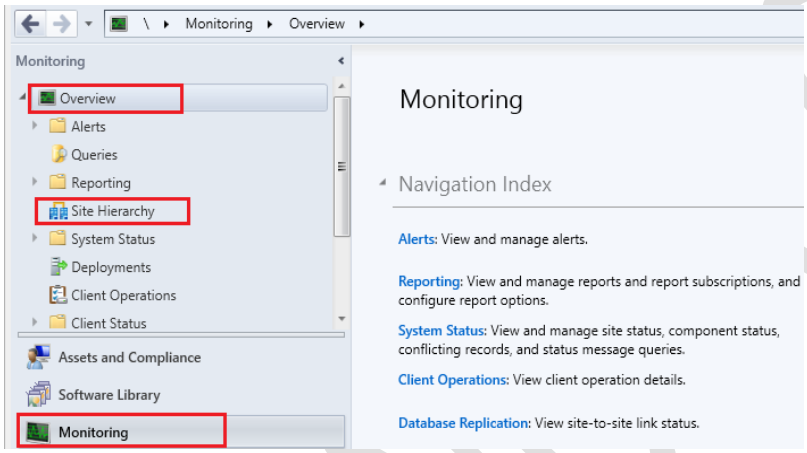
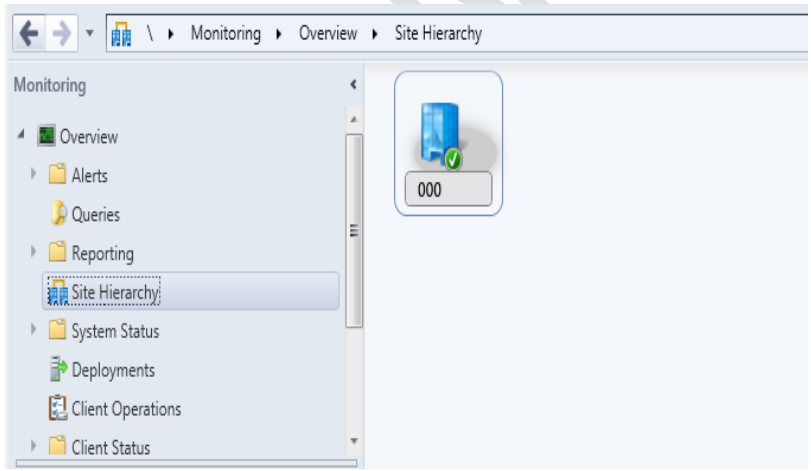
25. Daily - Check OS Deployments Status

#	Screen Shot	Steps Instructions
1		Launch Configuration Manager Console.
2		Go to Monitoring → Select → Site Hierarchy.
3		Green tick on the Site Hierachy indicates the Site health. If a server is shown in red: 8. Identify the problem and start to work on to fix the issues.

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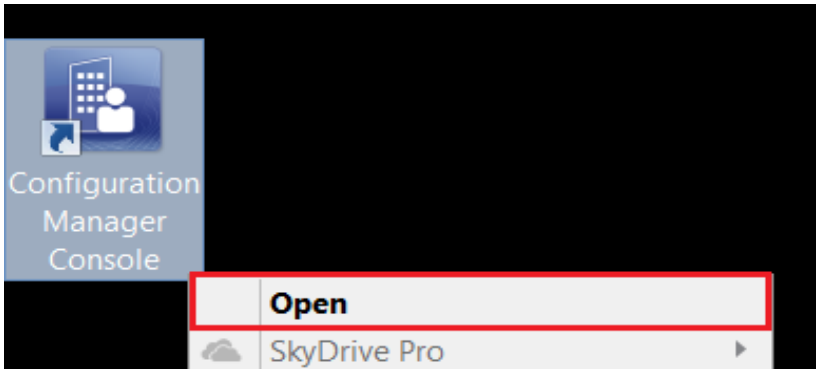
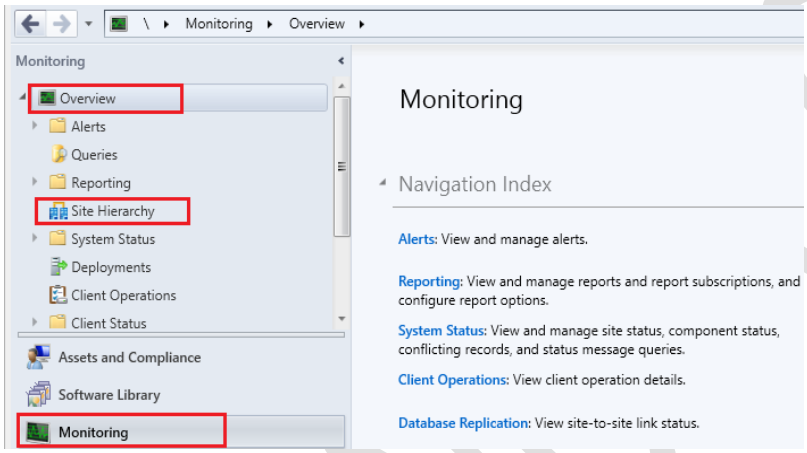
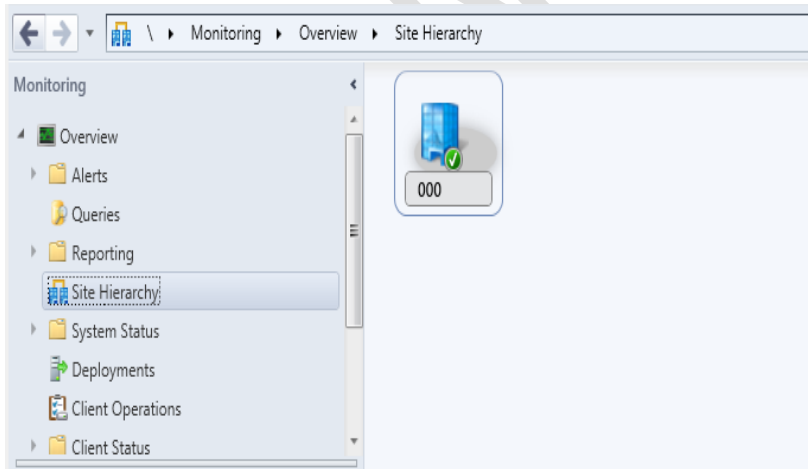
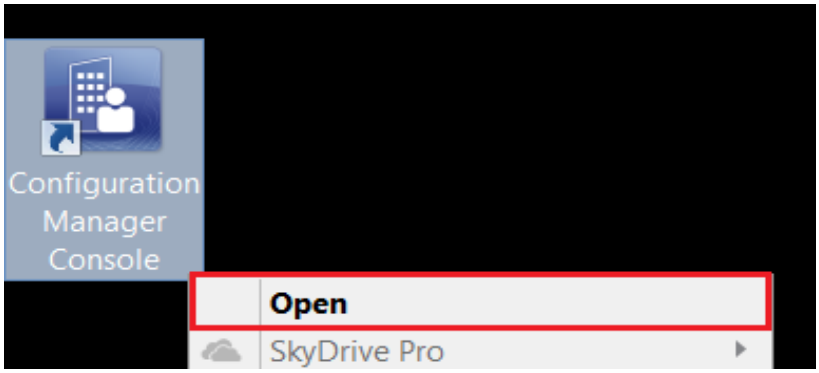
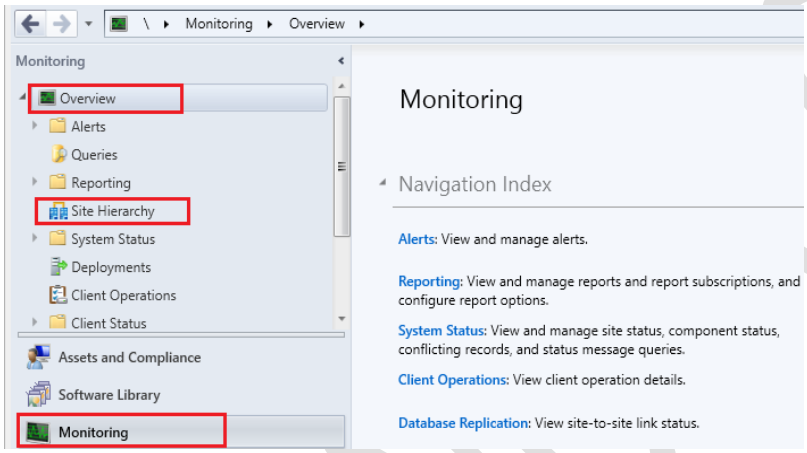
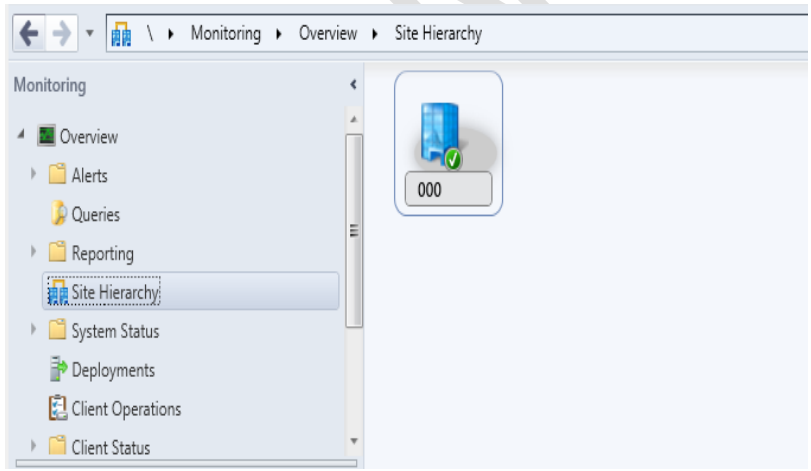
26. Daily - Check Site Servers Not Communicated Status

#	Screen Shot	Steps Instructions
1		Launch Configuration Manager Console.
2		Go to Monitoring → Select → Site Hierarchy.
3		Green tick on the Site Hierachy indicates the Site health. If a server is shown in red: 9. Identify the problem and start to work on to fix the issues.

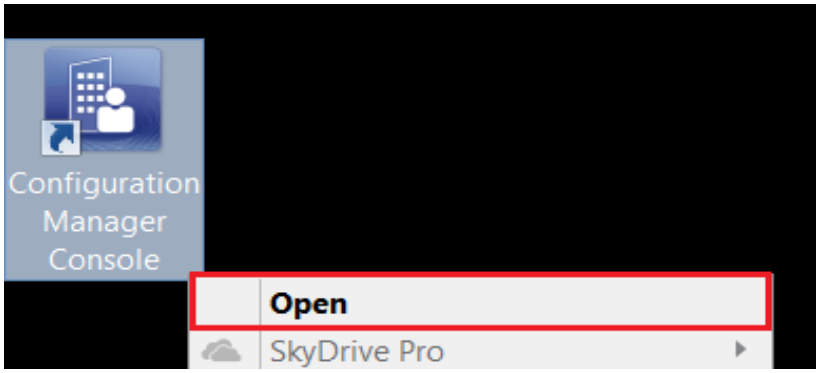
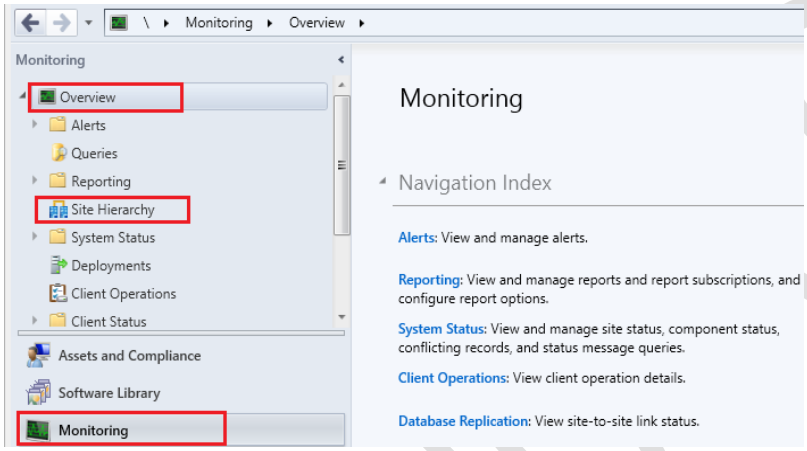
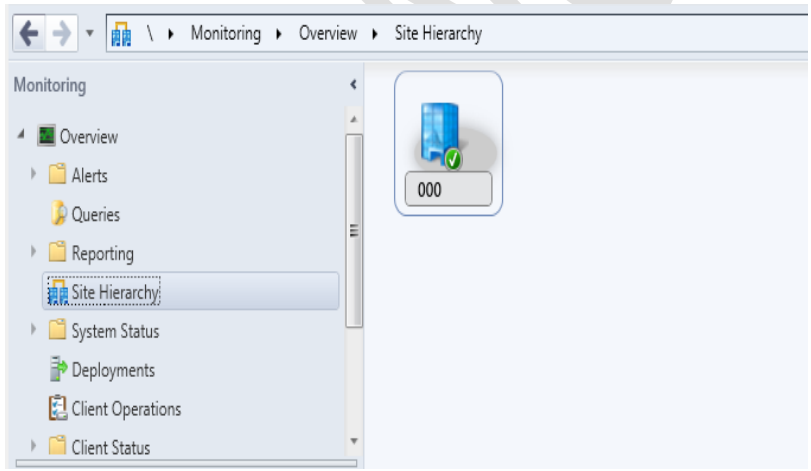
NO COPY

27. Daily - Check MP Components Status

#	Screen Shot	Steps Instructions
1		Launch Configuration Manager Console.
2		Go to Monitoring → Select → Site Hierarchy.
3		Green tick on the Site Hierachy indicates the Site health. If a server is shown in red: 10. Identify the problem and start to work on to fix the issues.

NO COPY

28. Daily - Check DP Components Status

#	Screen Shot	Steps Instructions
1		Launch Configuration Manager Console.
2		Go to Monitoring → Select → Site Hierarchy.
3		Green tick on the Site Hierachy indicates the Site health. If a server is shown in red: 11. Identify the problem and start to work on to fix the issues.

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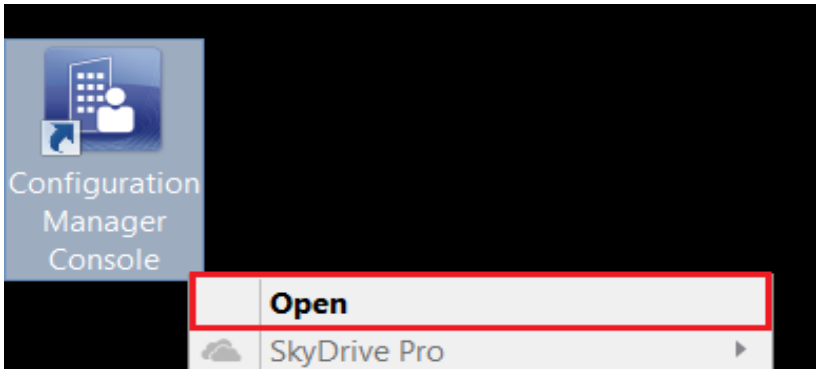
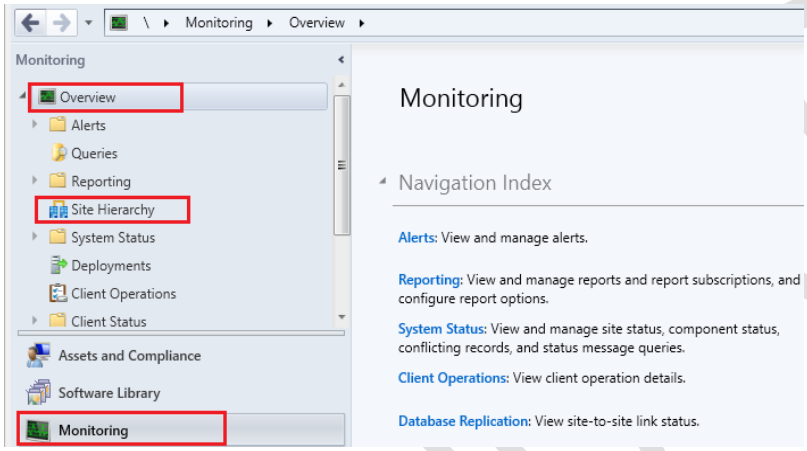
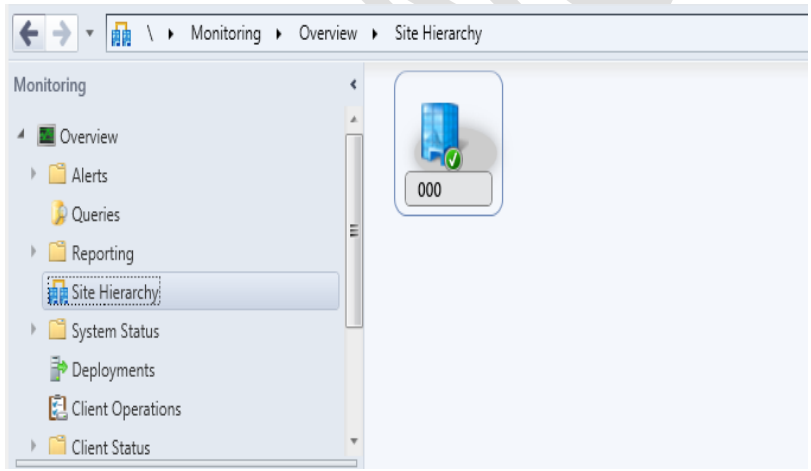
29. Daily - Check Collection Evaluator Components Status

#	Screen Shot	Steps Instructions
1		Launch Configuration Manager Console.
2		Go to Monitoring → Select → Site Hierarchy.
3		Green tick on the Site Hierachy indicates the Site health. If a server is shown in red: 12. Identify the problem and start to work on to fix the issues.

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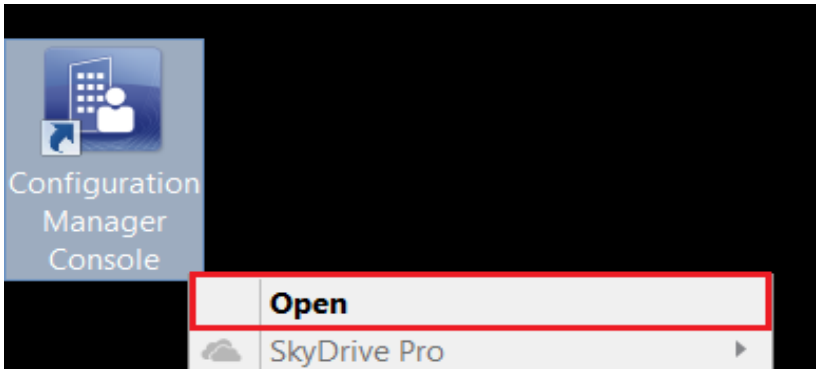
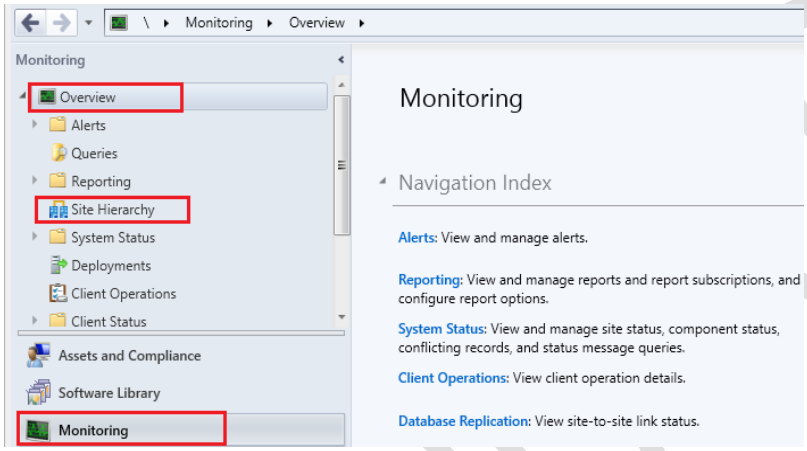
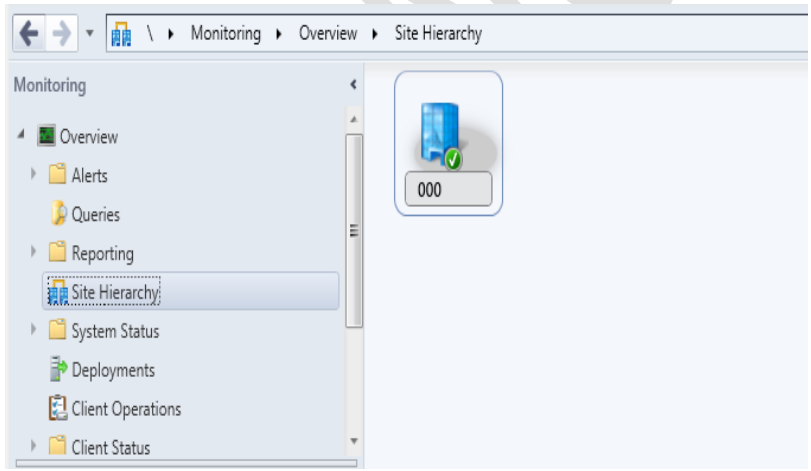
30. Daily - Check Discovery Components Status

#	Screen Shot	Steps Instructions
1		Launch Configuration Manager Console.
2		Go to Monitoring → Select → Site Hierarchy.
3		Green tick on the Site Hierachy indicates the Site health. If a server is shown in red: 13. Identify the problem and start to work on to fix the issues.

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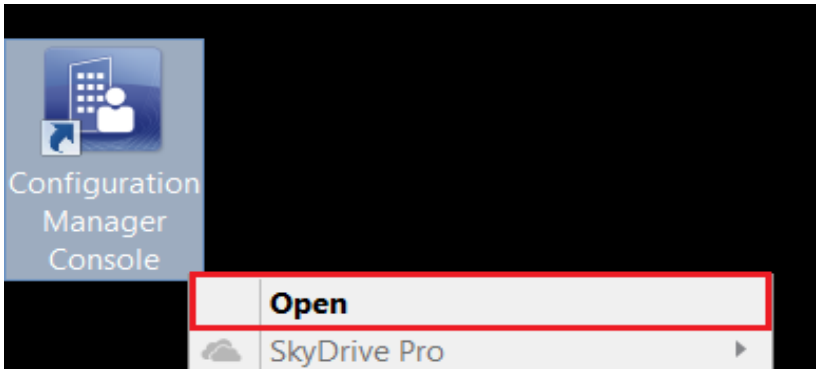
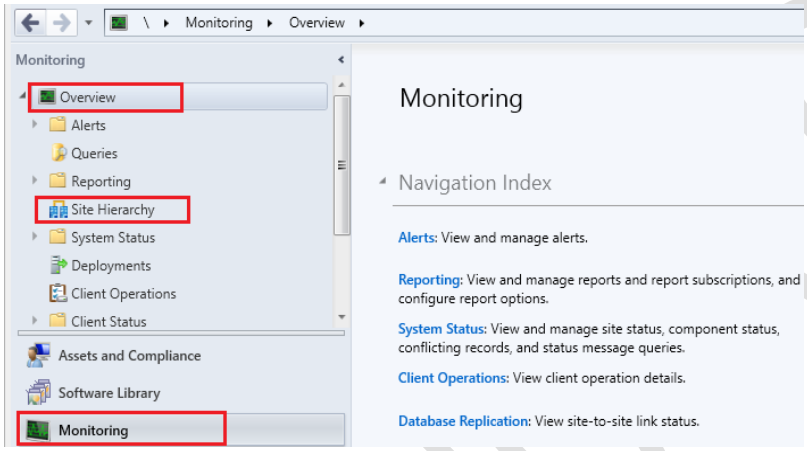
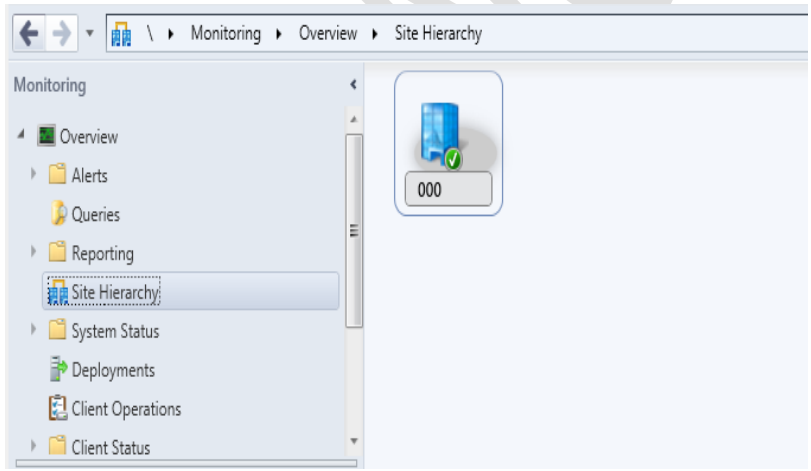
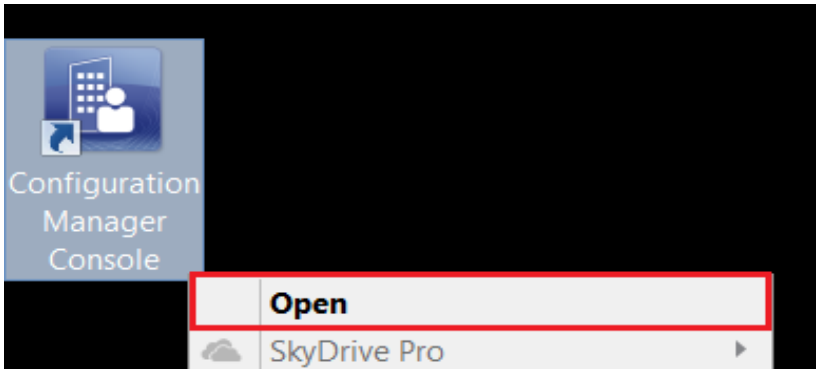
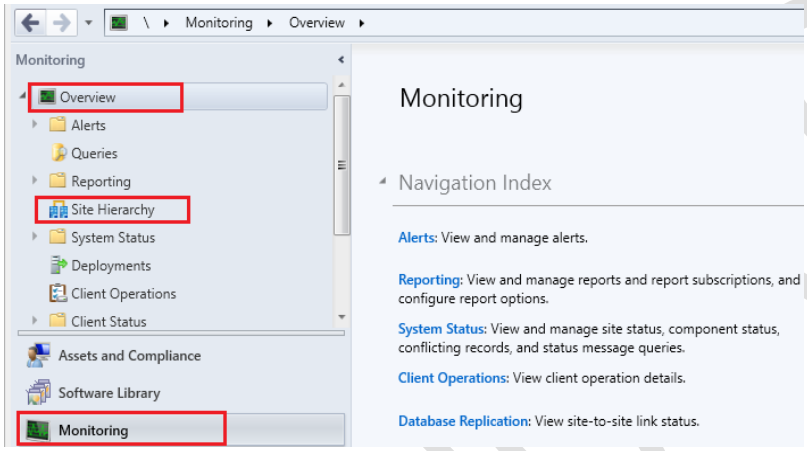
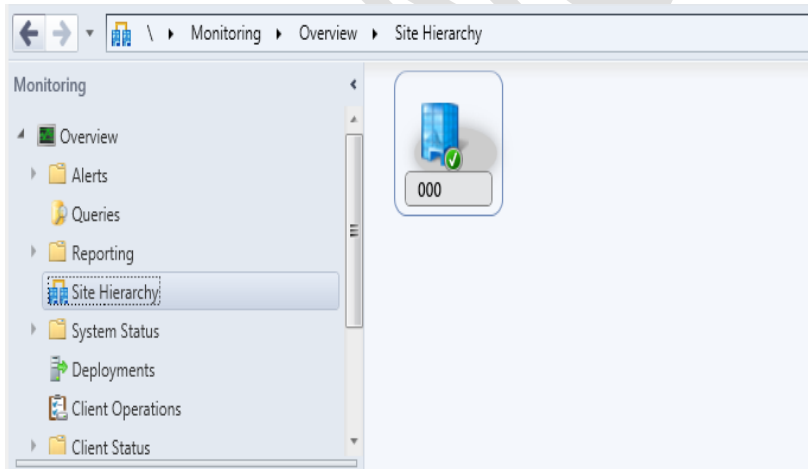
31. Daily - Check DDR Components Status

#	Screen Shot	Steps Instructions
1		Launch Configuration Manager Console.
2		Go to Monitoring → Select → Site Hierarchy.
3		Green tick on the Site Hierachy indicates the Site health. If a server is shown in red: 14. Identify the problem and start to work on to fix the issues.

COPY

32. Daily - Check CCR Components Status

#	Screen Shot	Steps Instructions
1		Launch Configuration Manager Console.
2		Go to Monitoring → Select → Site Hierarchy.
3		Green tick on the Site Hierachy indicates the Site health. If a server is shown in red: 15. Identify the problem and start to work on to fix the issues.

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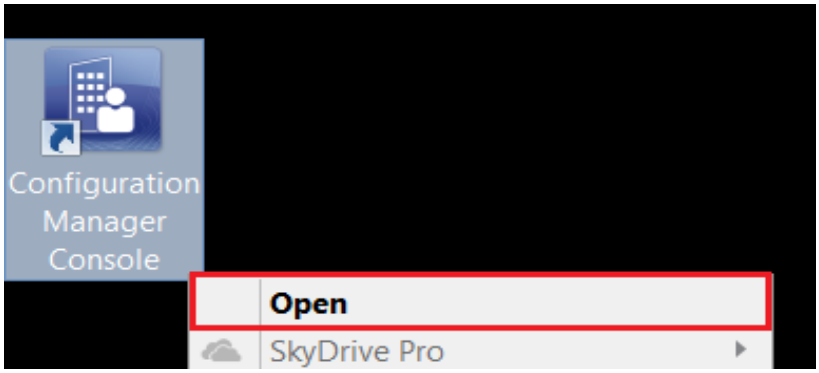
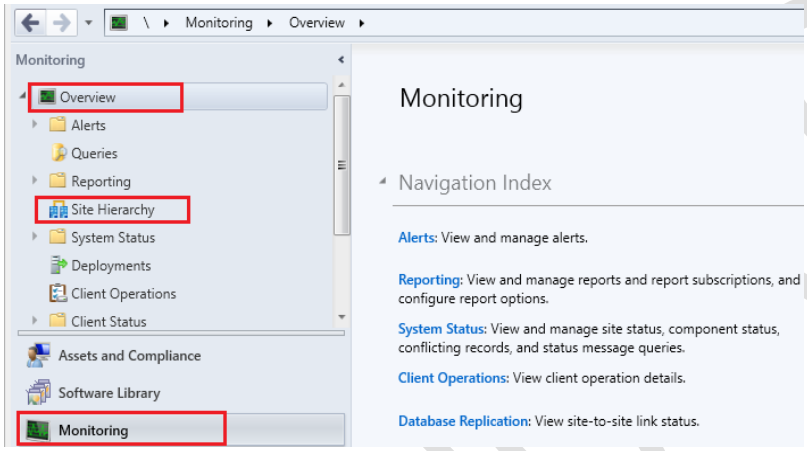
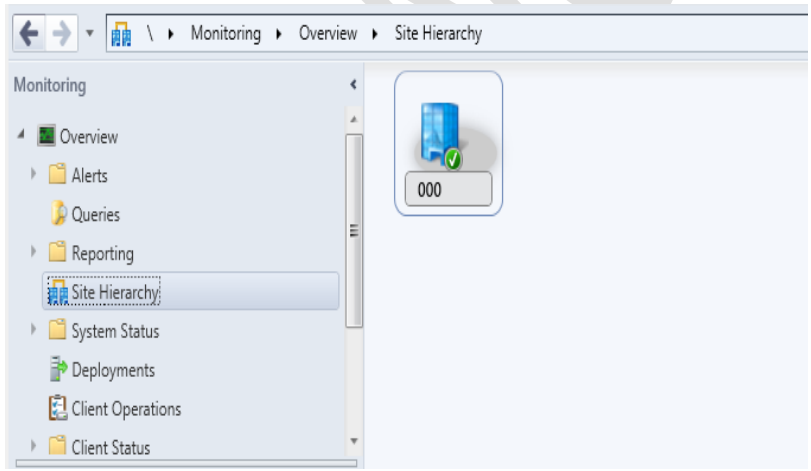
33. Daily - Check WSUS Components Status

#	Screen Shot	Steps Instructions
1		Launch Configuration Manager Console.
2		Go to Monitoring → Select → Site Hierarchy.
3		Green tick on the Site Hierachy indicates the Site health. If a server is shown in red: 16. Identify the problem and start to work on to fix the issues.

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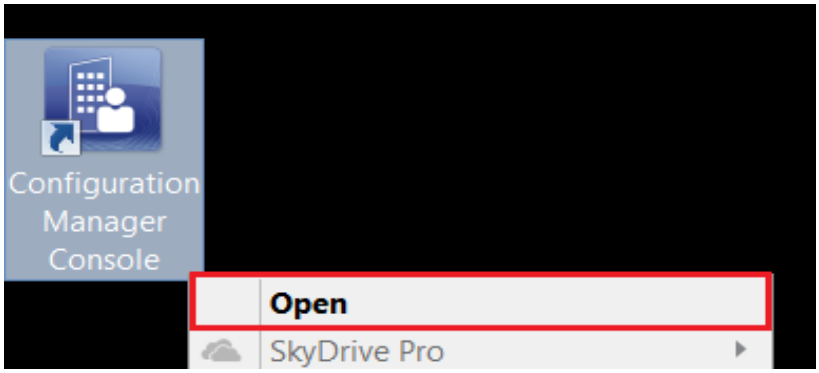
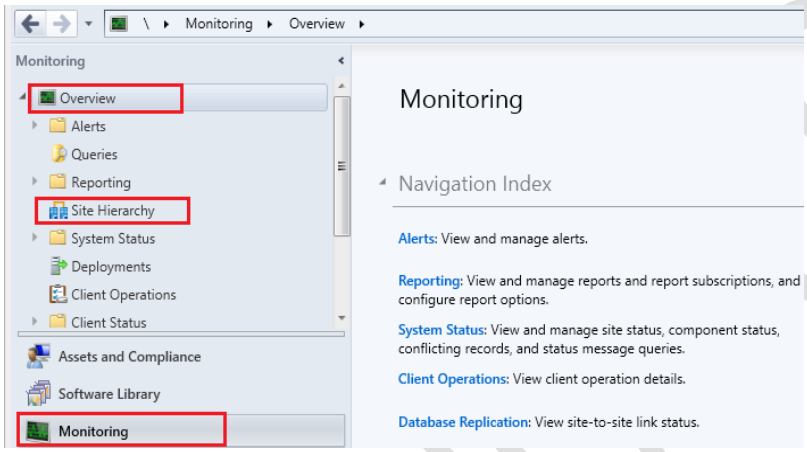
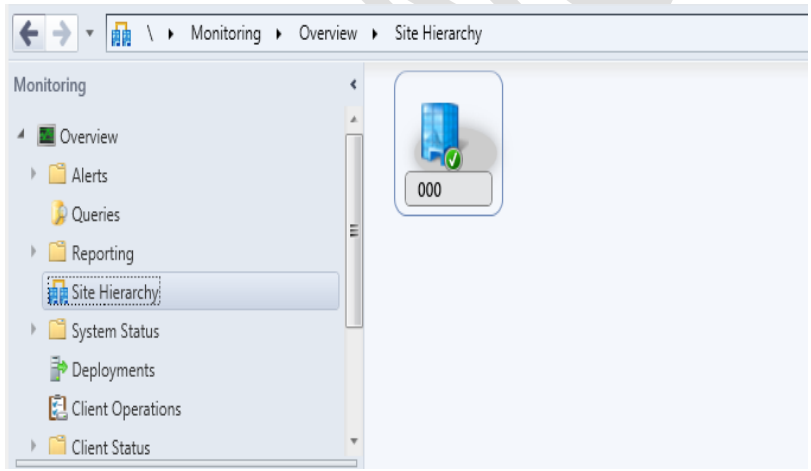
34. Daily - Check Backup Components Status

#	Screen Shot	Steps Instructions
1		Launch Configuration Manager Console.
2		Go to Monitoring → Select → Site Hierarchy.
3		Green tick on the Site Hierachy indicates the Site health. If a server is shown in red: 17. Identify the problem and start to work on to fix the issues.

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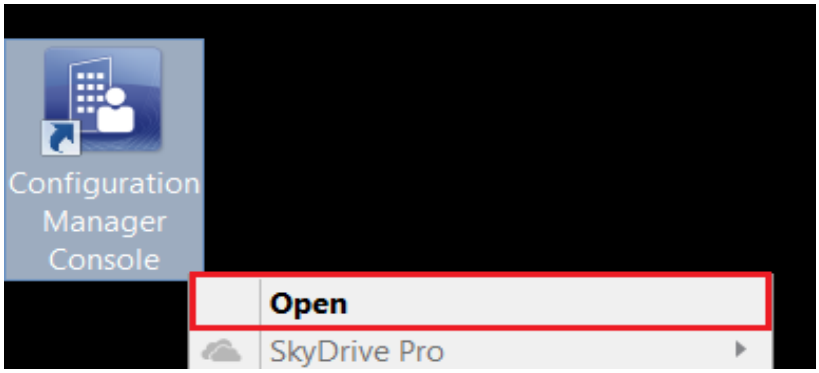
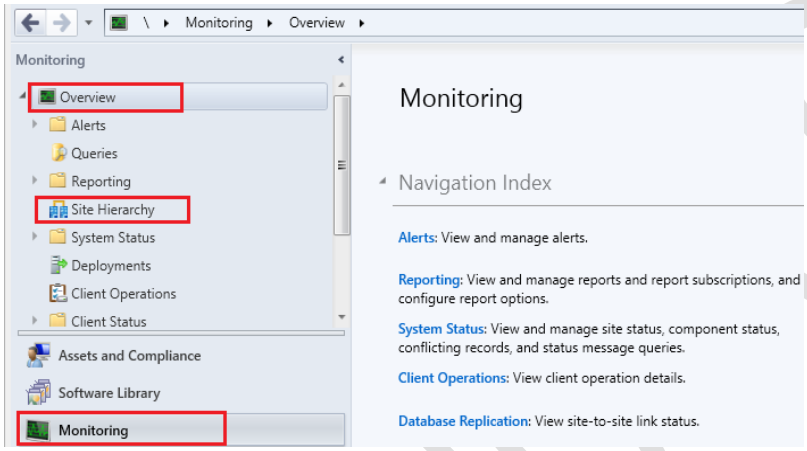
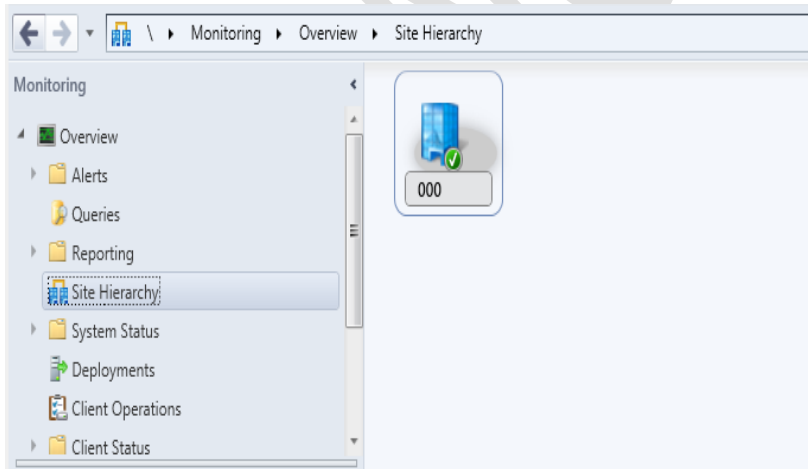
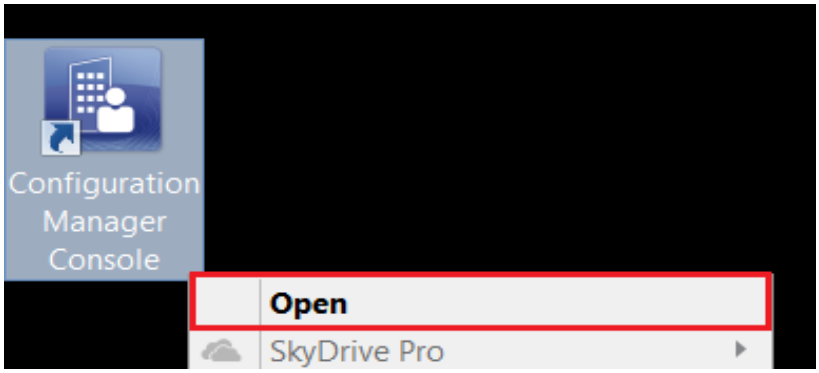
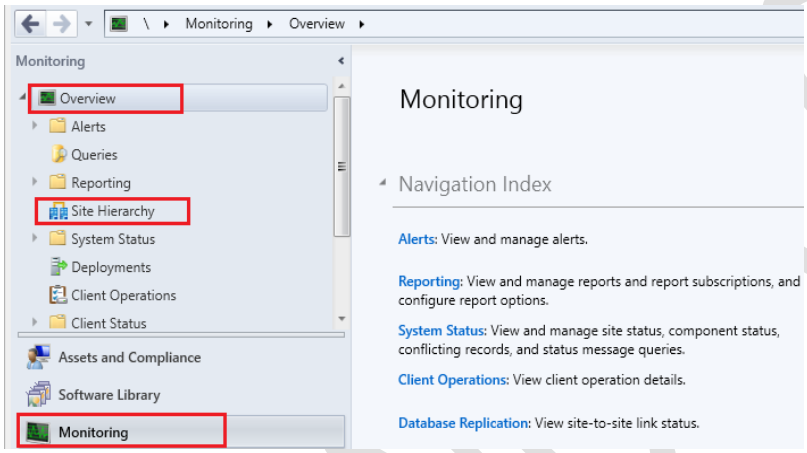
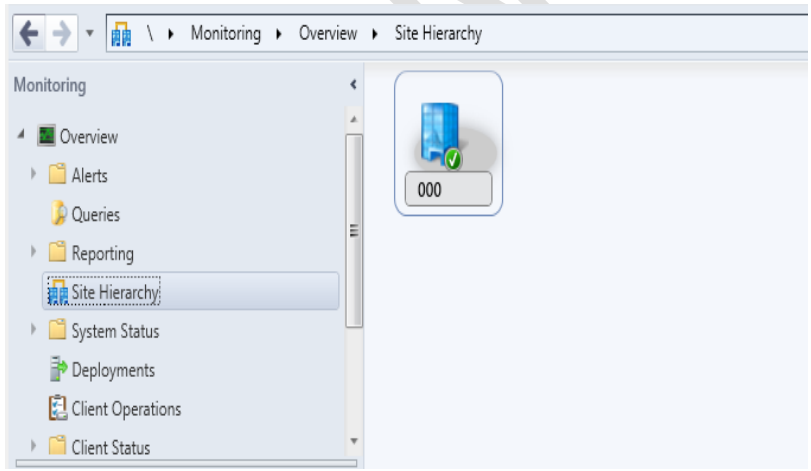
35. Daily - Check Hardware Components Status

#	Screen Shot	Steps Instructions
1		Launch Configuration Manager Console.
2		Go to Monitoring → Select → Site Hierarchy.
3		Green tick on the Site Hierachy indicates the Site health. If a server is shown in red: 18. Identify the problem and start to work on to fix the issues.

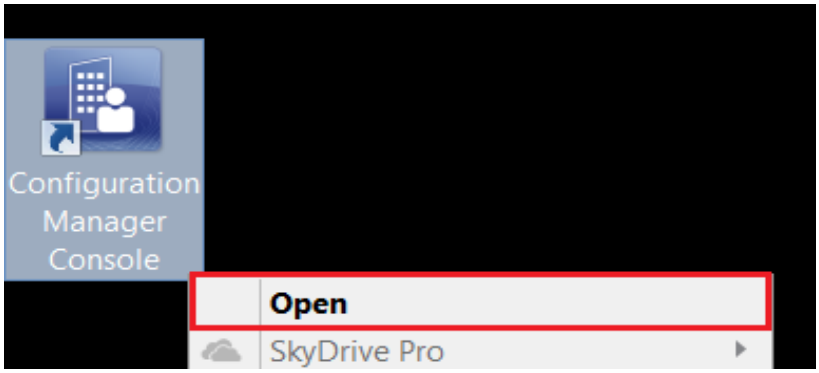
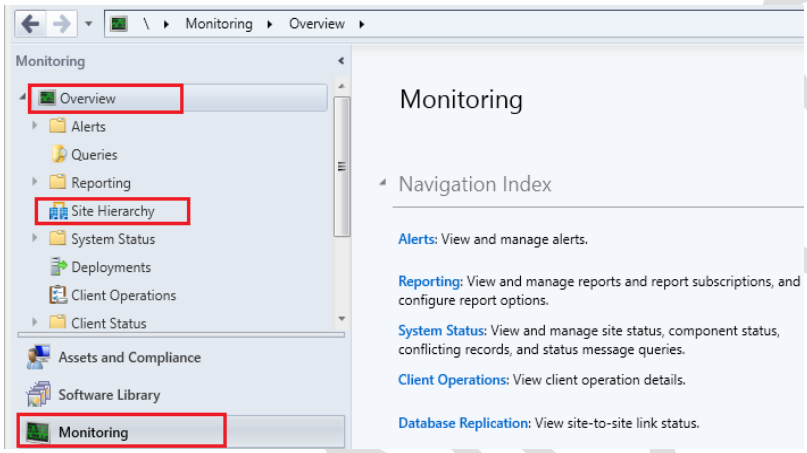
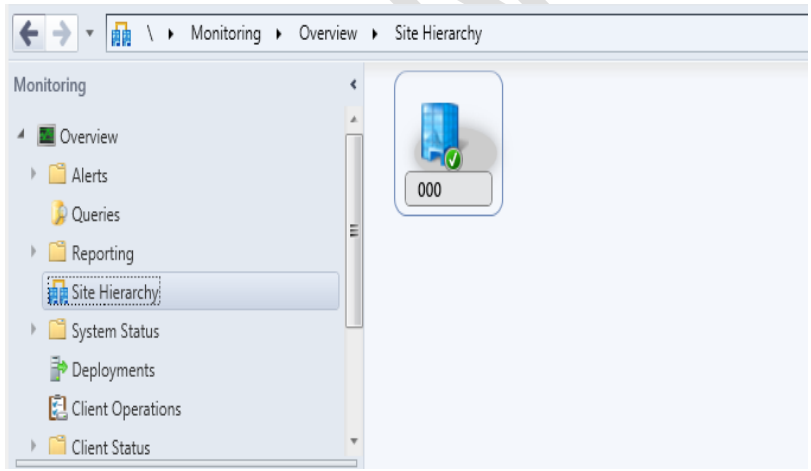
NOT COPY

36. Daily - Check Despooler Components Status

#	Screen Shot	Steps Instructions
1		Launch Configuration Manager Console.
2		Go to Monitoring → Select → Site Hierarchy.
3		Green tick on the Site Hierachy indicates the Site health. If a server is shown in red: 19. Identify the problem and start to work on to fix the issues.

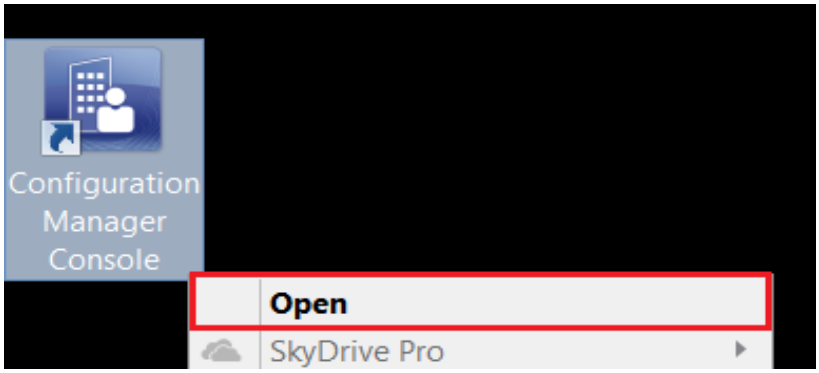
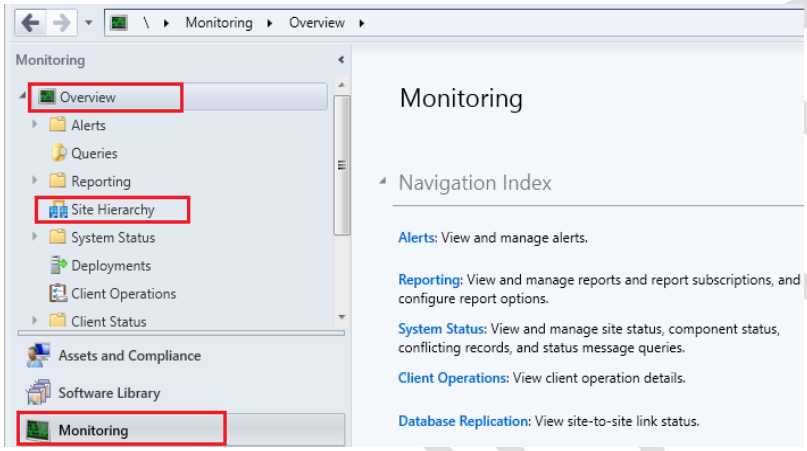
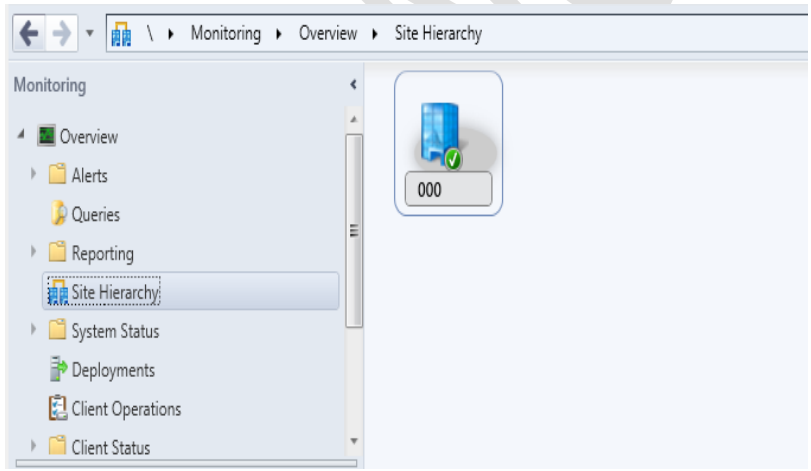
NO COPY

37. Daily - Check Inbox Monitor Components Status

#	Screen Shot	Steps Instructions
1		Launch Configuration Manager Console.
2		Go to Monitoring → Select → Site Hierarchy.
3		Green tick on the Site Hierachy indicates the Site health. If a server is shown in red: 20. Identify the problem and start to work on to fix the issues.

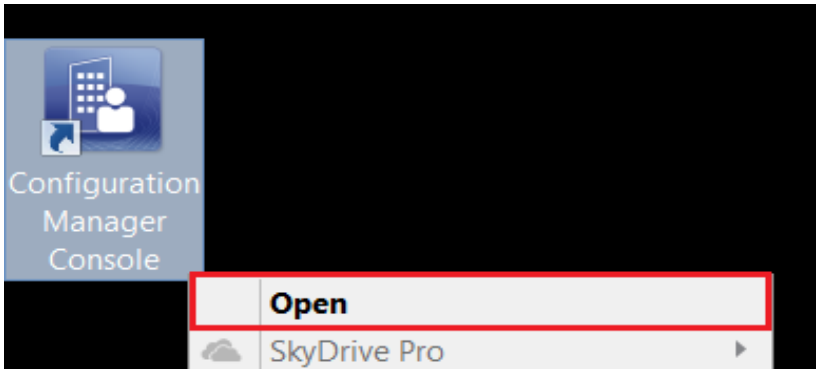
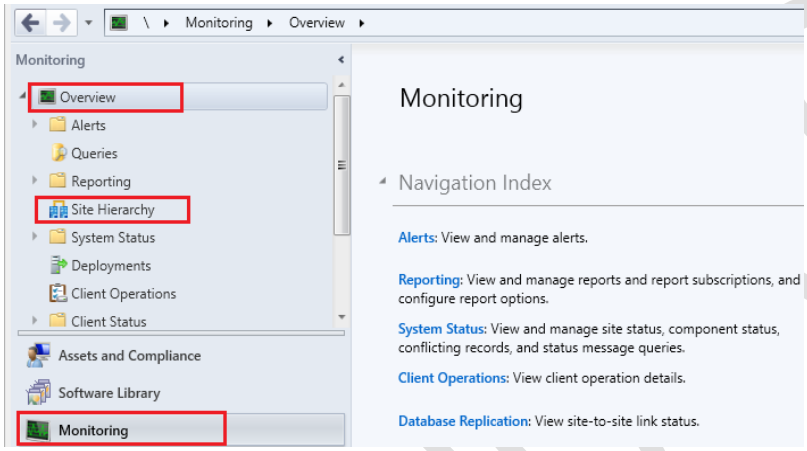
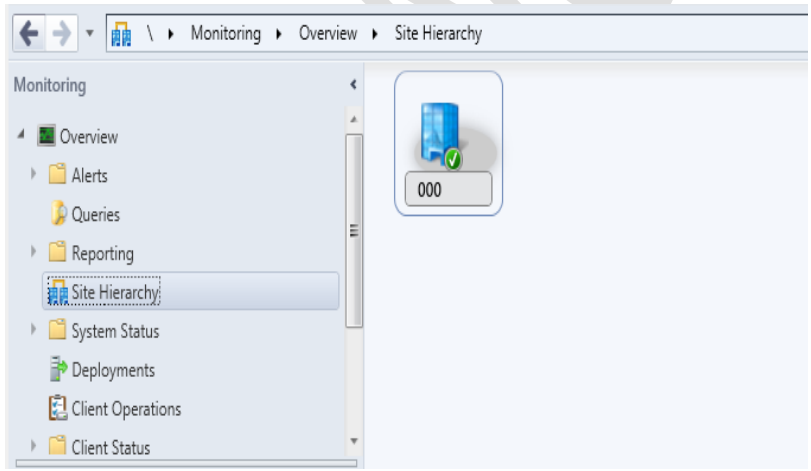
NO COPY

38. Daily - Check Component Monitor Components Status

#	Screen Shot	Steps Instructions
1		Launch Configuration Manager Console.
2		Go to Monitoring → Select → Site Hierarchy.
3		Green tick on the Site Hierachy indicates the Site health. If a server is shown in red: 21. Identify the problem and start to work on to fix the issues.

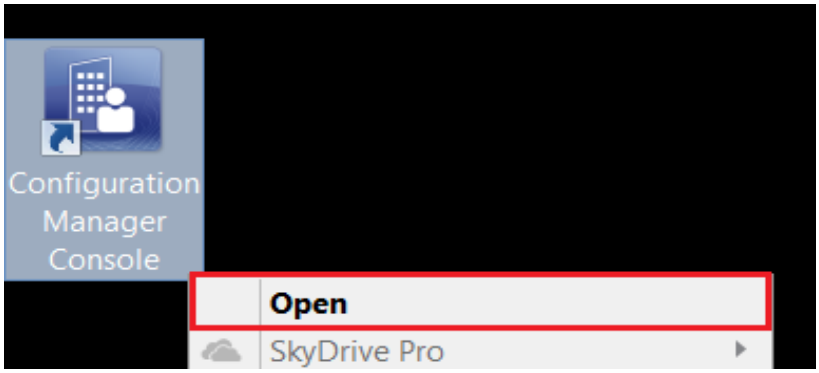
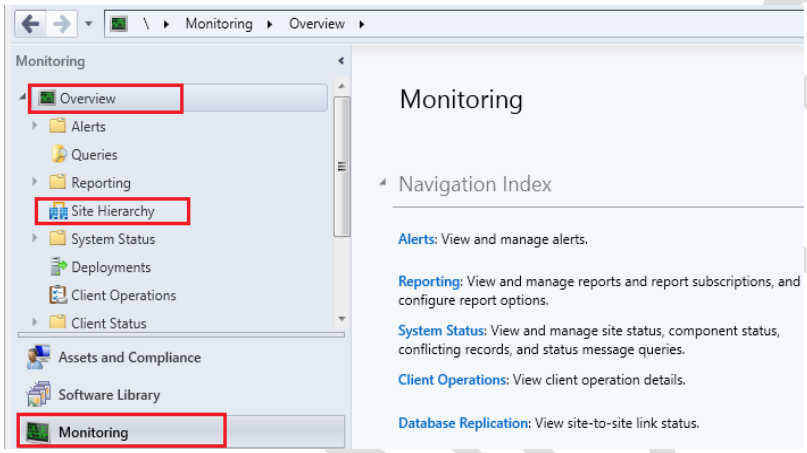
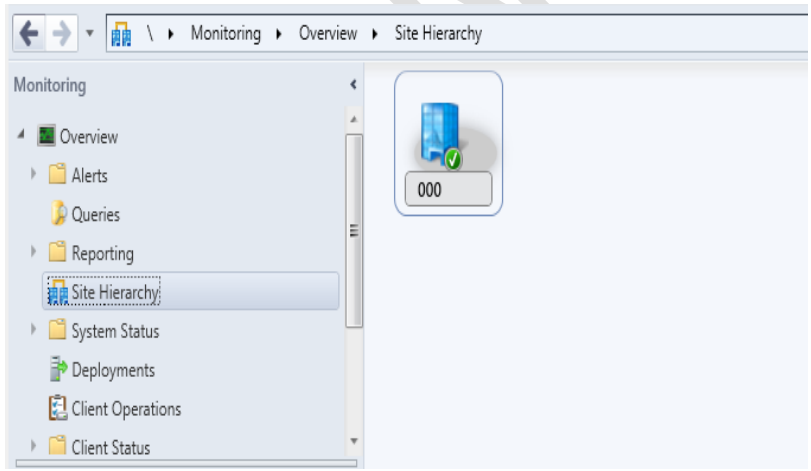
NOT A COPY

39. Daily - Check Others Components Status

#	Screen Shot	Steps Instructions
1		Launch Configuration Manager Console.
2		Go to Monitoring → Select → Site Hierarchy.
3		Green tick on the Site Hierachy indicates the Site health. If a server is shown in red: 22. Identify the problem and start to work on to fix the issues.

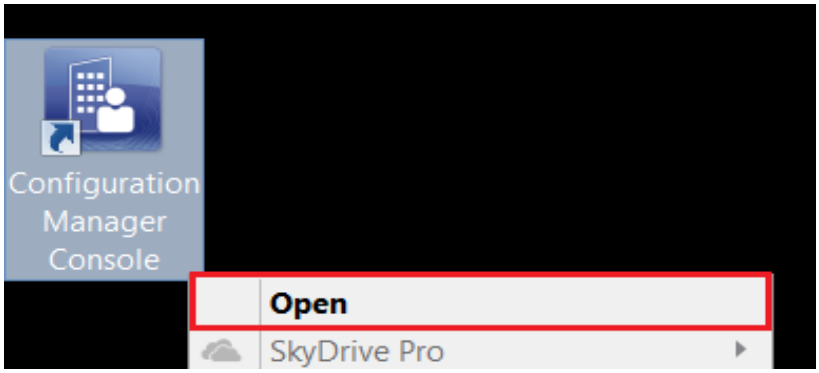
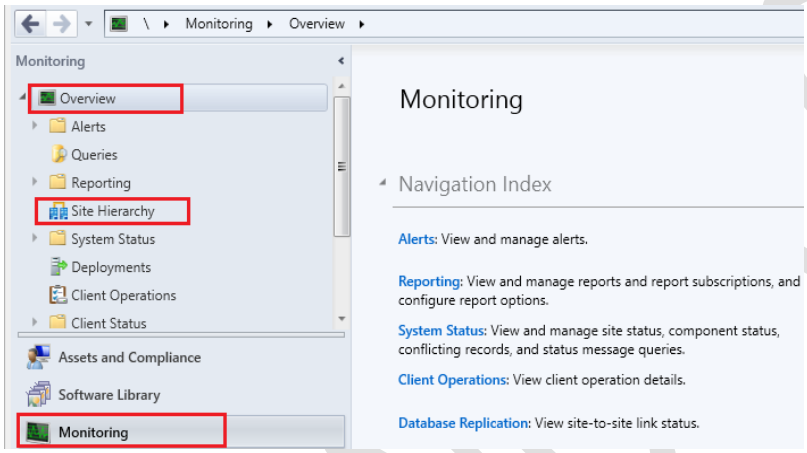
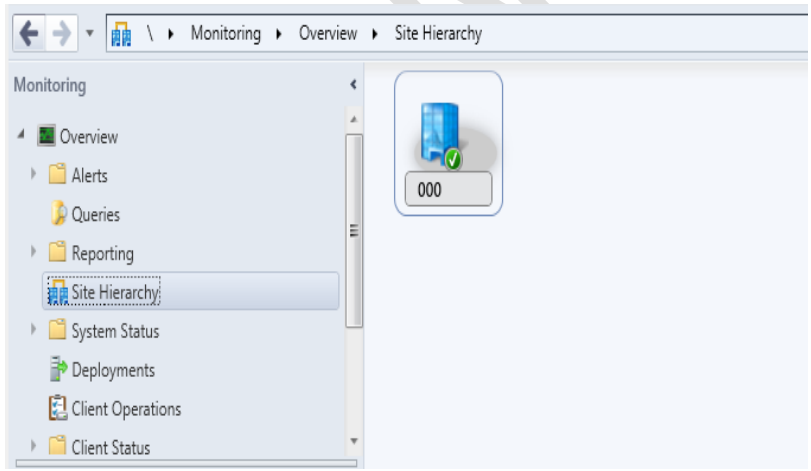
NOT A COPY

40. Daily - Check Waiting to Distribute Content Status

#	Screen Shot	Steps Instructions
1		Launch Configuration Manager Console.
2		Go to Monitoring → Select → Site Hierarchy.
3		Green tick on the Site Hierachy indicates the Site health. If a server is shown in red: 23. Identify the problem and start to work on to fix the issues.

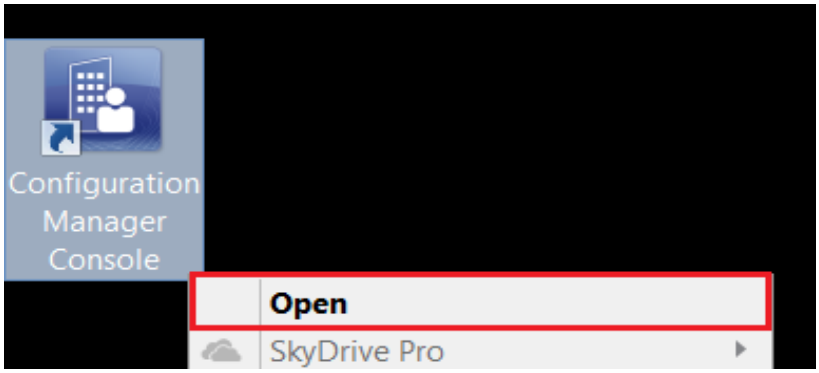
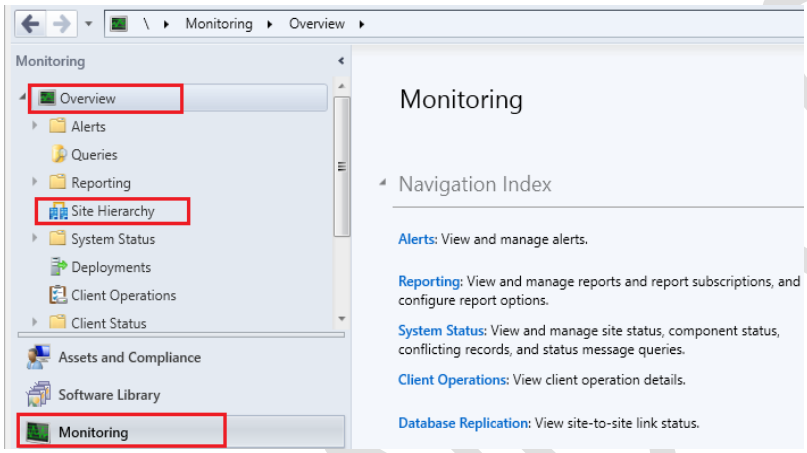
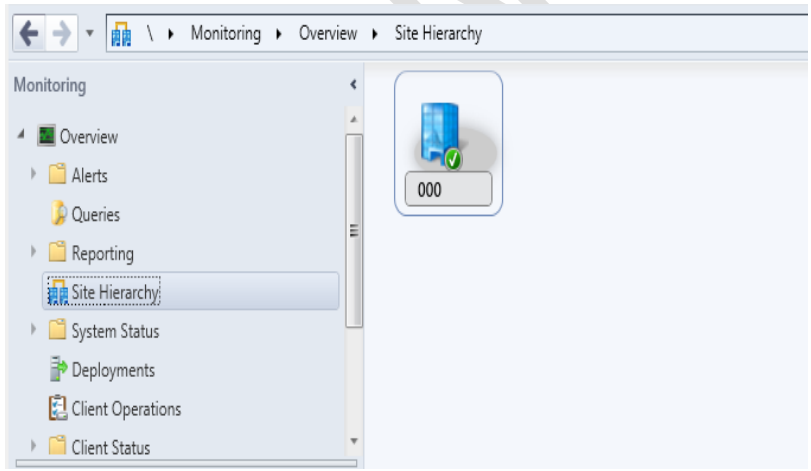
NO COPY

41. Daily - Check Maintenance Windows Collection Status

#	Screen Shot	Steps Instructions
1		Launch Configuration Manager Console.
2		Go to Monitoring → Select → Site Hierarchy.
3		Green tick on the Site Hierachy indicates the Site health. If a server is shown in red: 24. Identify the problem and start to work on to fix the issues.

NO COPY

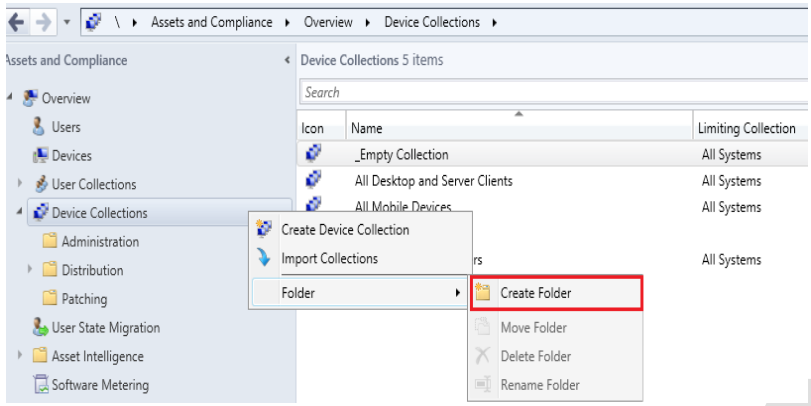
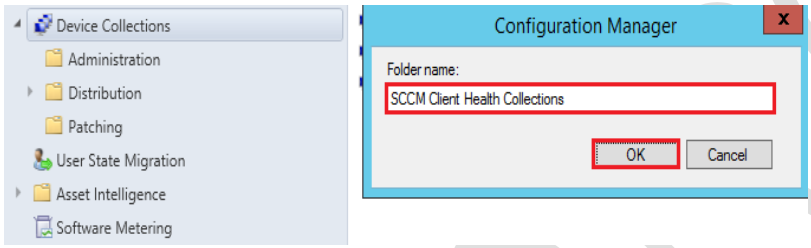
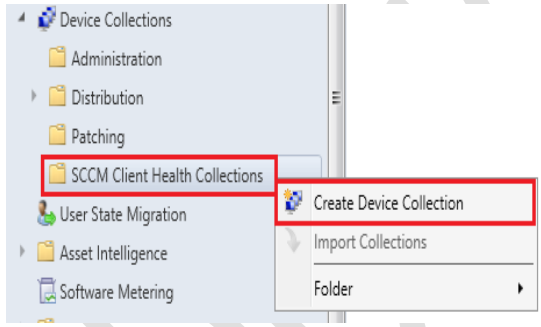
42. Weekly - Check Workstations Unhealthy Clients Status

#	Screen Shot	Steps Instructions
1		Launch Configuration Manager Console.
2		Go to Monitoring → Select → Site Hierarchy.
3		Green tick on the Site Hierachy indicates the Site health. If a server is shown in red: 25. Identify the problem and start to work on to fix the issues.

NO COPY

43. Weekly - Check Obsolete Clients Status

Ensure before proceeding this step get confirmation from respective account owner then delete the obsolete objects from ConfigMgr.

#	Screen Shot	Steps Instructions
1		Select **Device Collections** → Right Click → **Folder** → **Create Folder** → Click.
2		Create a new folder name as **SCCM Client Health Collections**.
3		Create a new Collection under SCCM Client Health Collections Folder.

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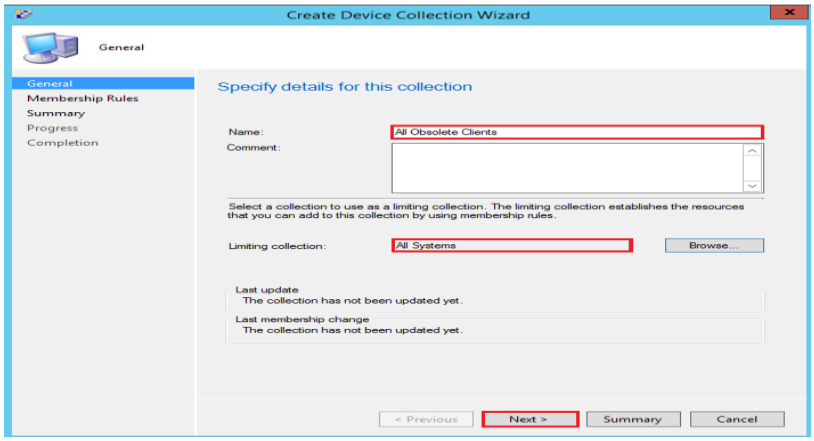
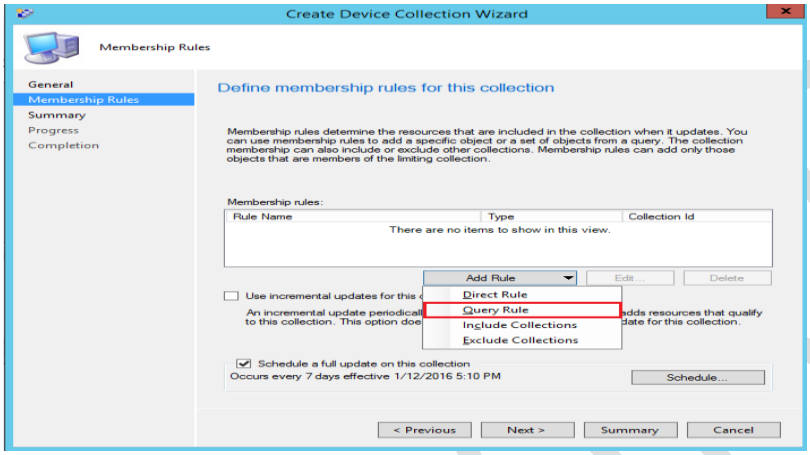
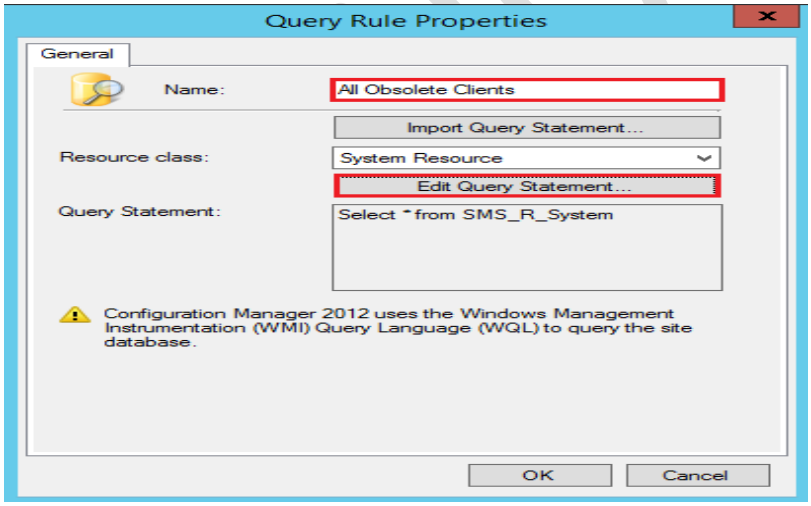
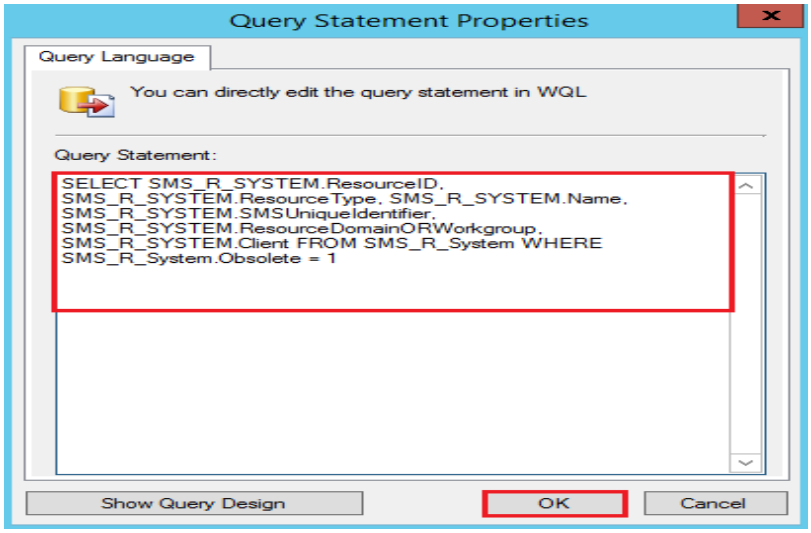
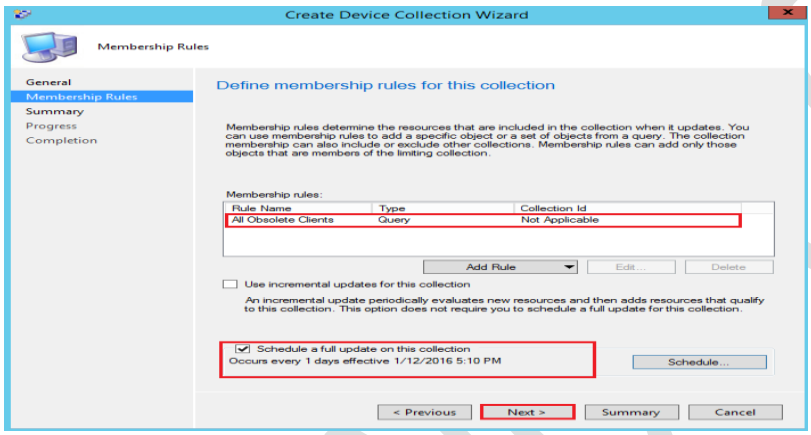
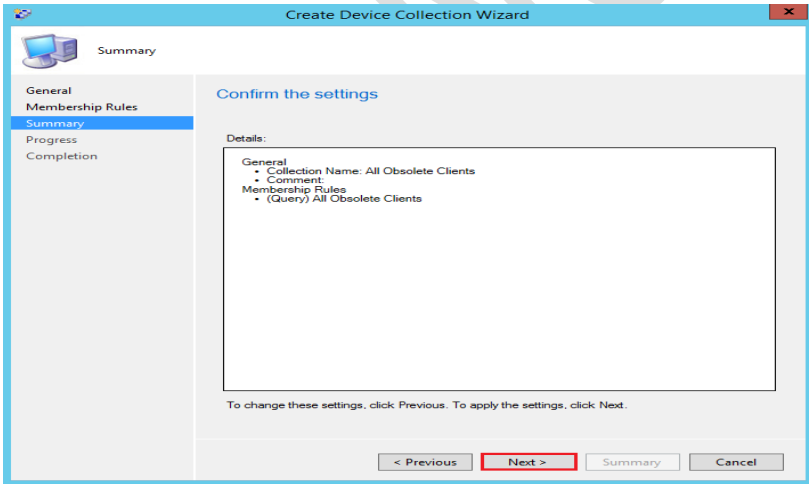
4		Create a new Collection name as **All Obsolete Clients** and limiting that collection to **All Systems** then click **Next**. ***** Recommended to limit **All Systems** Collection *****
5		Click **Add Rule** then Select **Query Rule**.
6		Type Query Rule Name as **All Obsolete Clients** then Click **Edit Query Statements.**

7		Place the below WQL Query inside the textbox and click **OK.** Ensure there is no Human errors while placing the WQL Query. **WQL Query:** SELECT SMS_R_SYSTEM.ResourceID, SMS_R_SYSTEM.ResourceType, SMS_R_SYSTEM.Name, SMS_R_SYSTEM.SMSUniqueIdentifier, SMS_R_SYSTEM.ResourceDomainORWorkgroup, SMS_R_SYSTEM.Client FROM SMS_R_System WHERE SMS_R_System.Obsolete = 1
8		Ensure that **All Obsolete Query Rule** is added and change the **Schedule full update on this collection** settings as **"Occurs every 1 days…"** then click **Next.**
9		Click **Next**.

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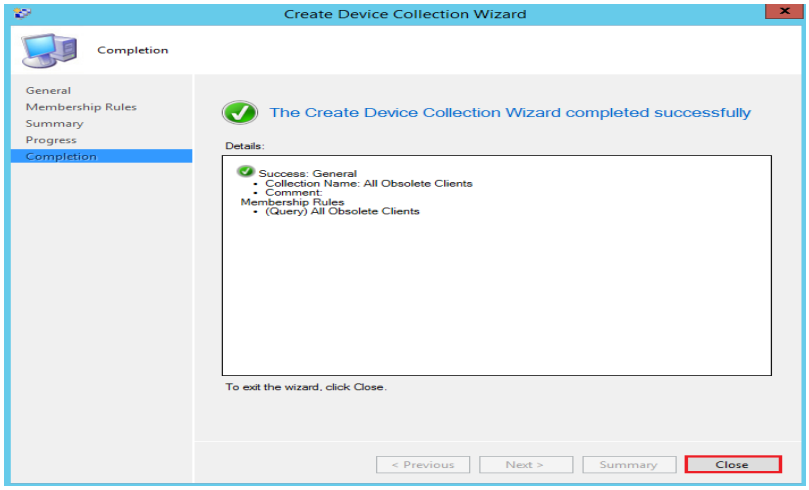
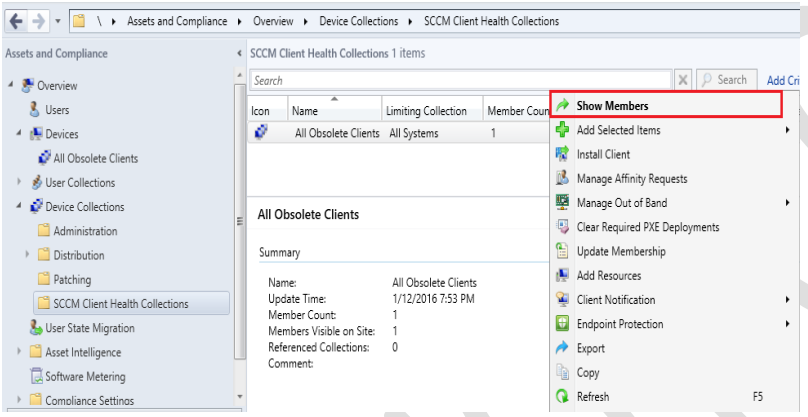
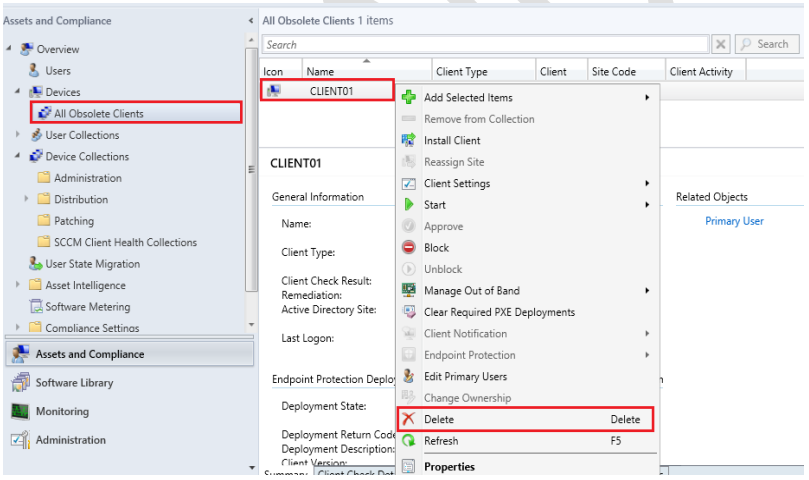
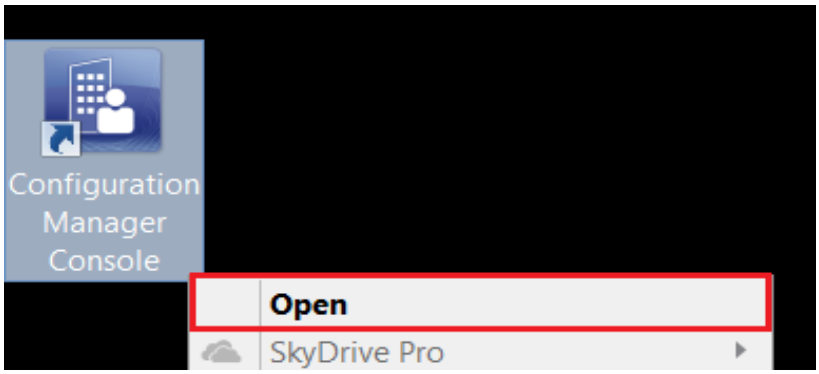
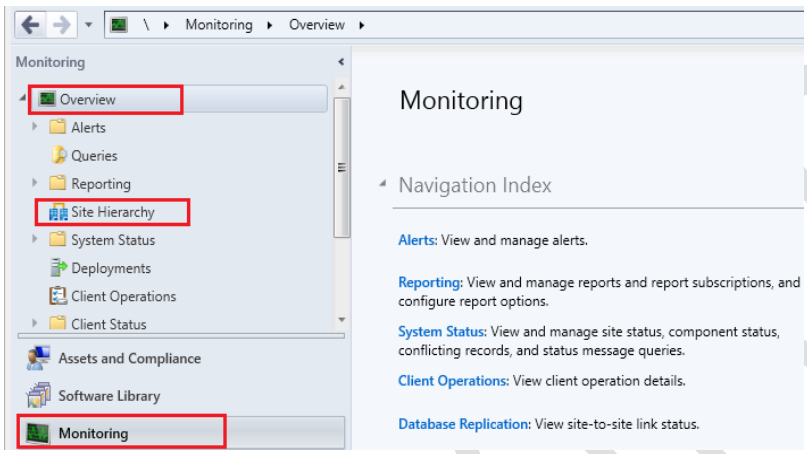
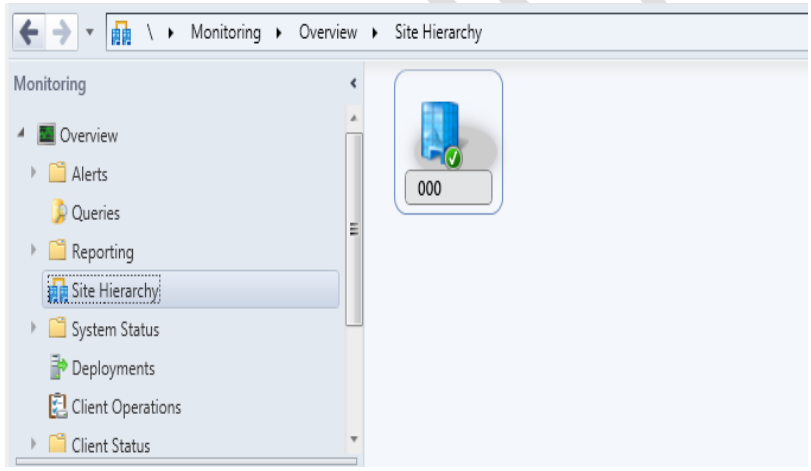
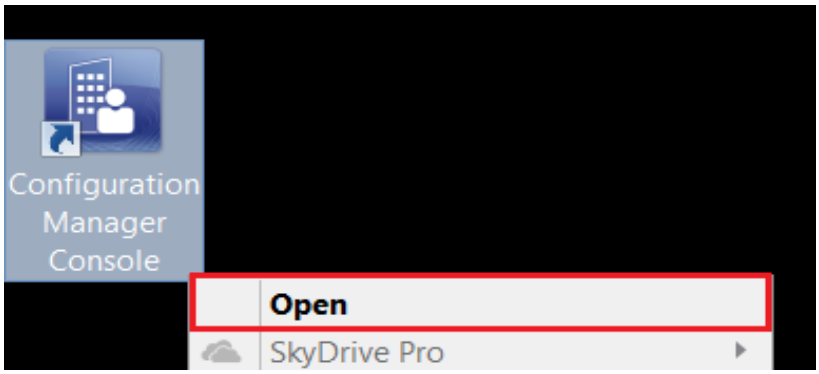
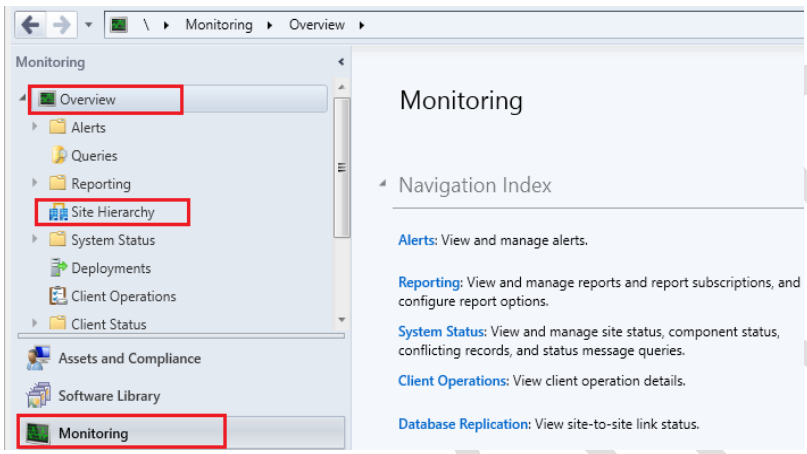
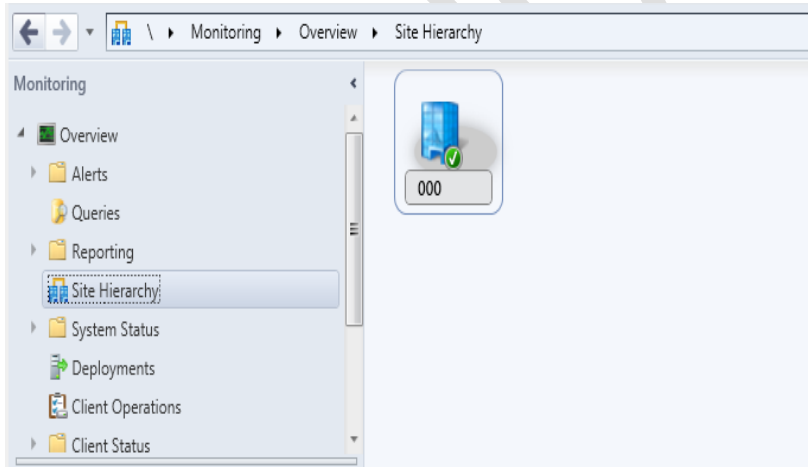
10		Click **Close.**
11		Select the **All Obsolete Clients Collection** → Right Click → Select → **Show Members.**
12		Select all Obsolete Clients → Right Click → Select → **Delete.** ***** Before deleting Obsolete clients, Ensure all objects are showing as Obsolete status is **Yes** ****

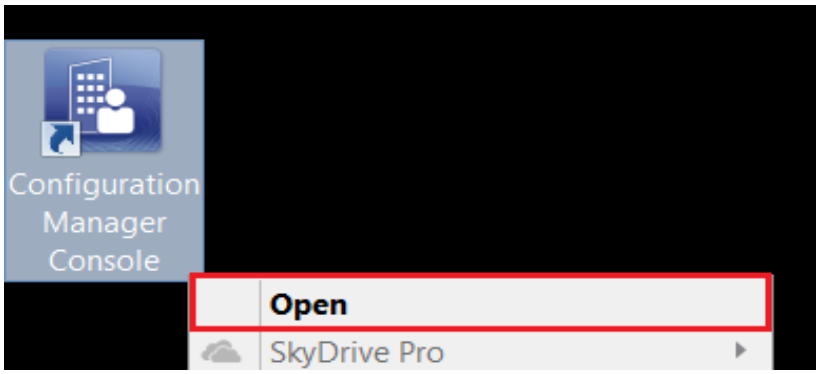
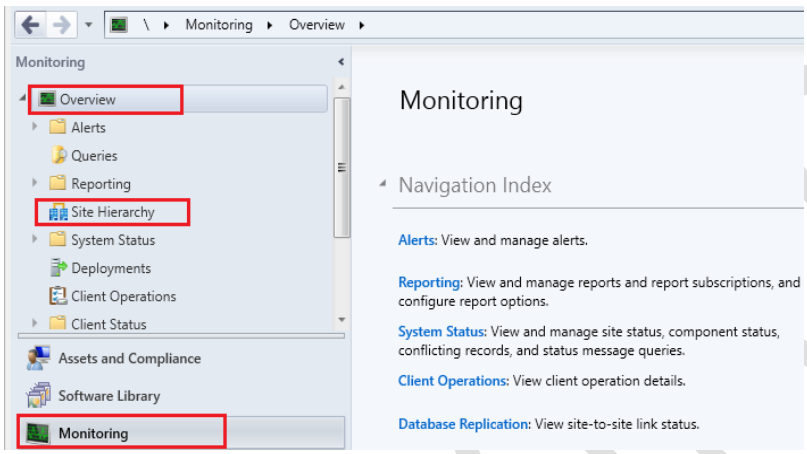
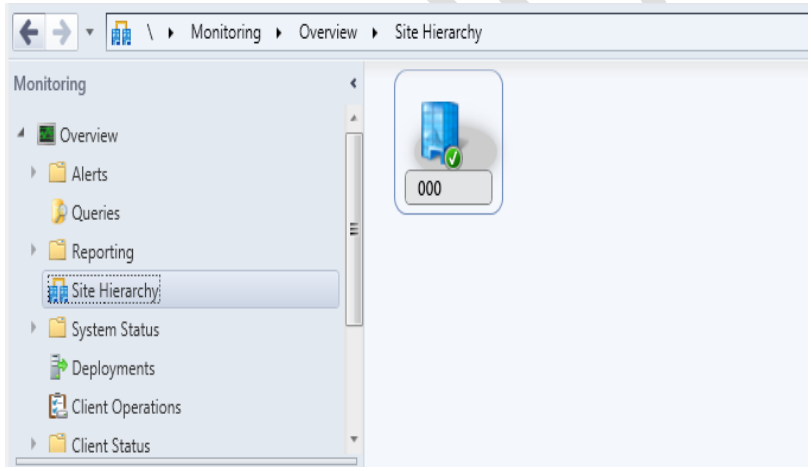
44. Monthly - Check Overall ConfigMgr KPI Data Status

#	Screen Shot	Steps Instructions
1		Launch Configuration Manager Console.
2		Go to Monitoring → Select → Site Hierarchy.
3		Green tick on the Site Hierachy indicates the Site health. If a server is shown in red: 26. Identify the problem and start to work on to fix the issues.

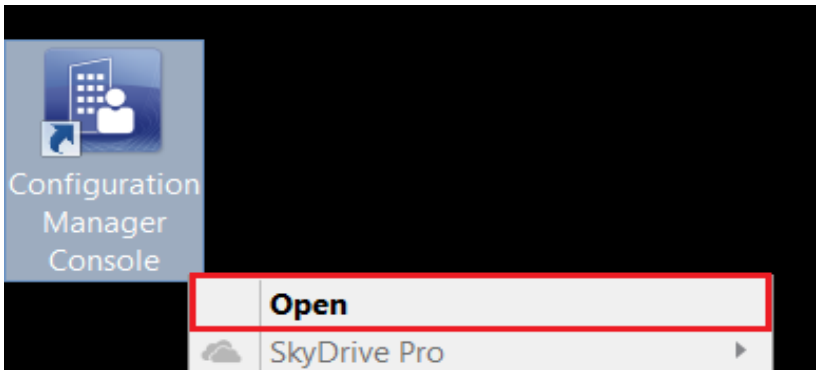
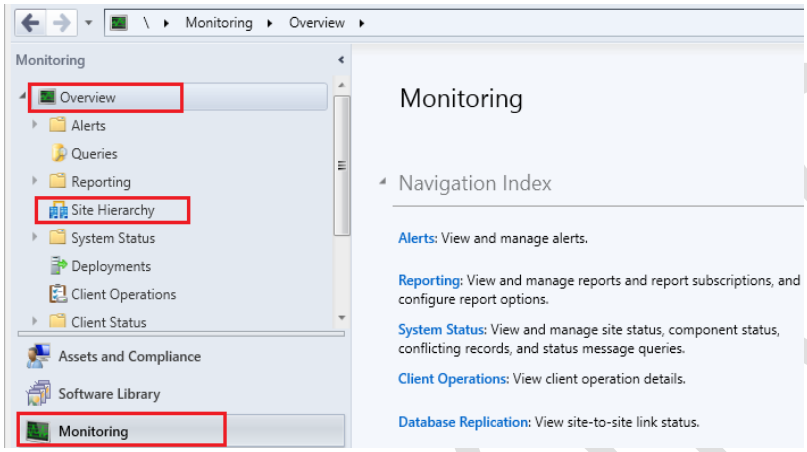
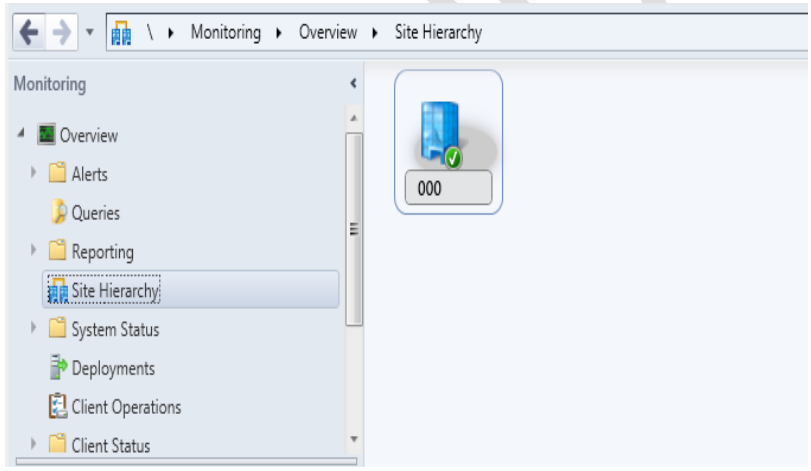
45. Monthly - Check Overall ConfigMgr Managed Assets Status

#	Screen Shot	Steps Instructions
1		Launch Configuration Manager Console.
2		Go to Monitoring → Select → Site Hierarchy.
3		Green tick on the Site Hierachy indicates the Site health. If a server is shown in red: 27. Identify the problem and start to work on to fix the issues.

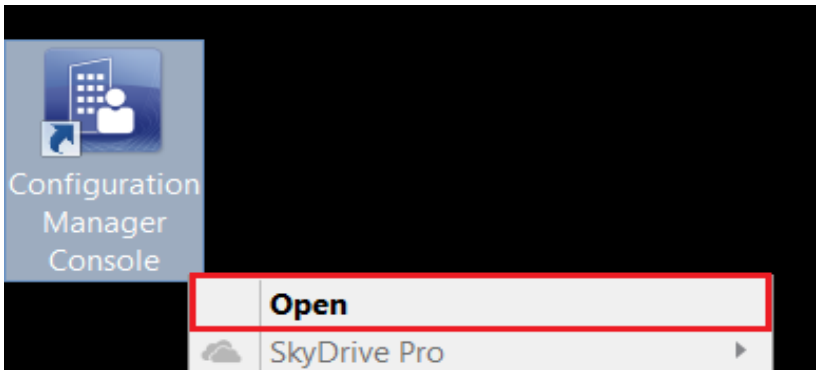
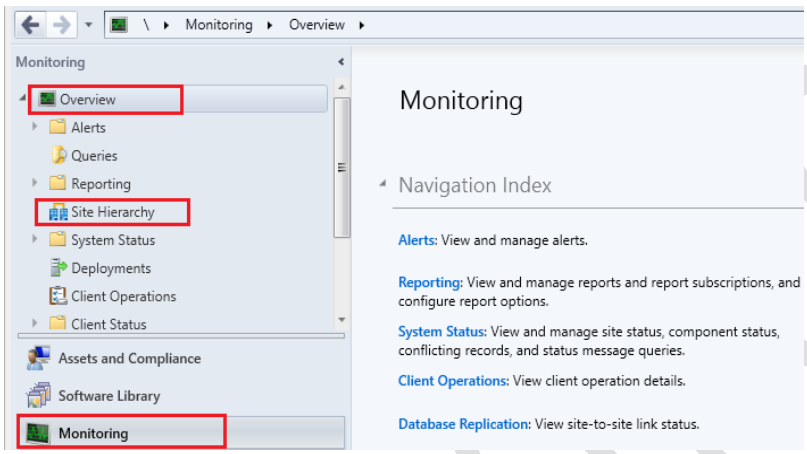
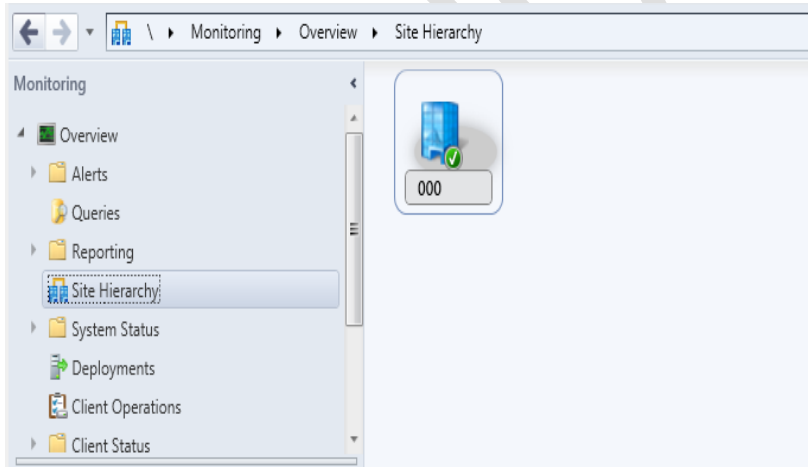
46. Monthly - Check Overall ConfigMgr Deployments Status

#	Screen Shot	Steps Instructions
1		Launch Configuration Manager Console.
2		Go to Monitoring → Select → Site Hierarchy.
3		Green tick on the Site Hierachy indicates the Site health. If a server is shown in red: 28. Identify the problem and start to work on to fix the issues.

47. Monthly - Check Overall ConfigMgr Packages Status

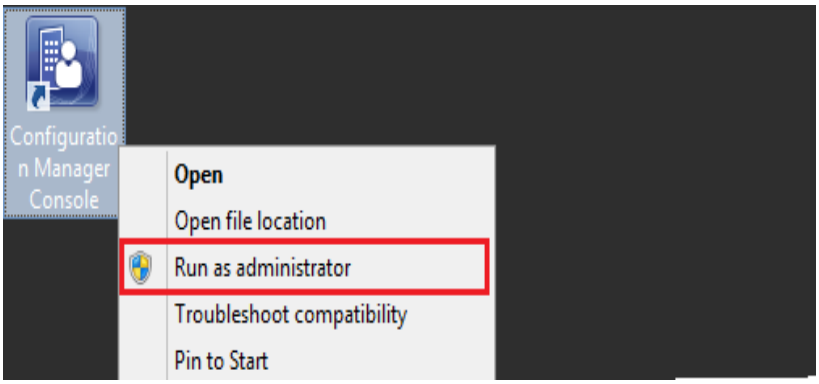
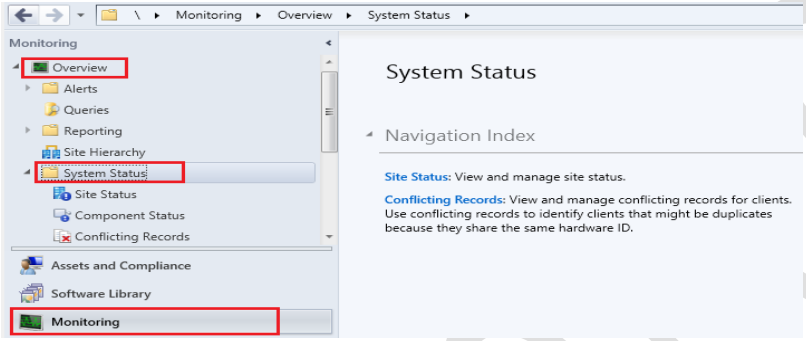
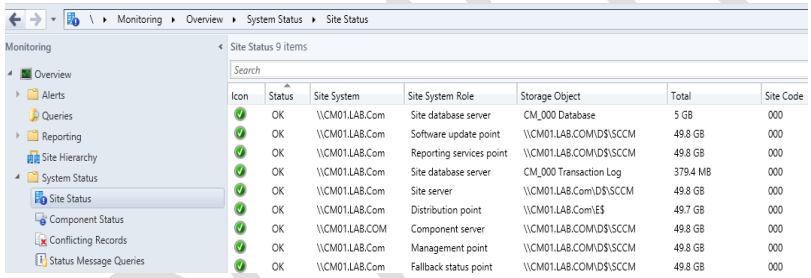
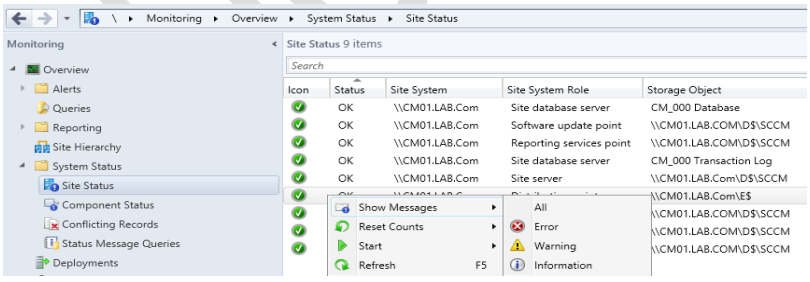
#	Screen Shot	Steps Instructions
1		Launch Configuration Manager Console.
2		Go to Monitoring → Select → Site Hierarchy.
3		Green tick on the Site Hierachy indicates the Site health. If a server is shown in red: 29. Identify the problem and start to work on to fix the issues.

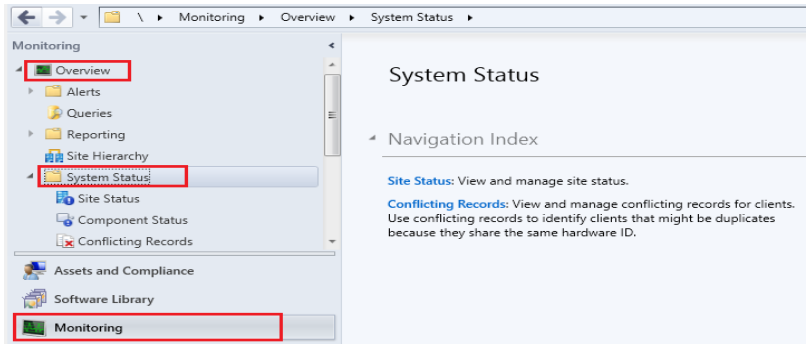
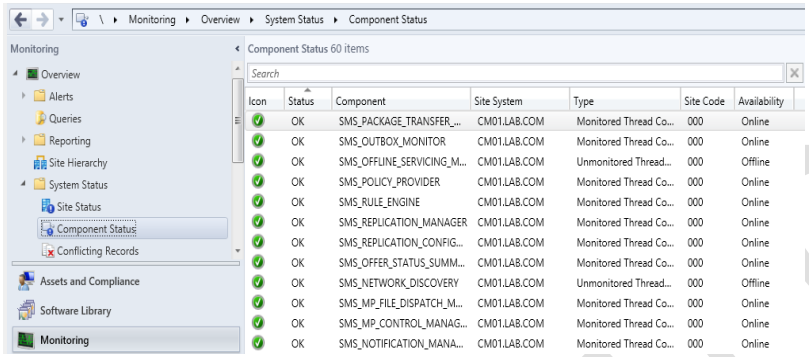
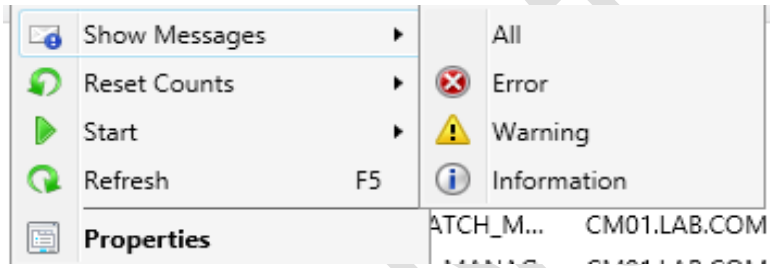
48. Monthly - Check Overall ConfigMgr Collections Status

#	Screen Shot	Steps Instructions
1		Launch Configuration Manager Console.
2		Go to Monitoring → Select → Site Hierarchy.
3		Green tick on the Site Hierachy indicates the Site health. If a server is shown in red: 30. Identify the problem and start to work on to fix the issues.

COPY

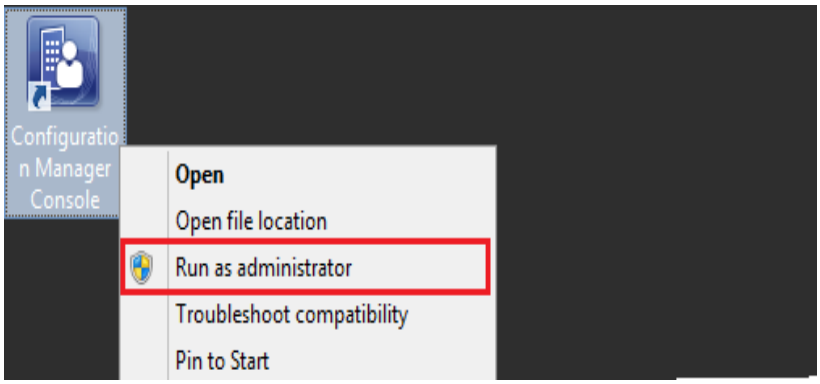
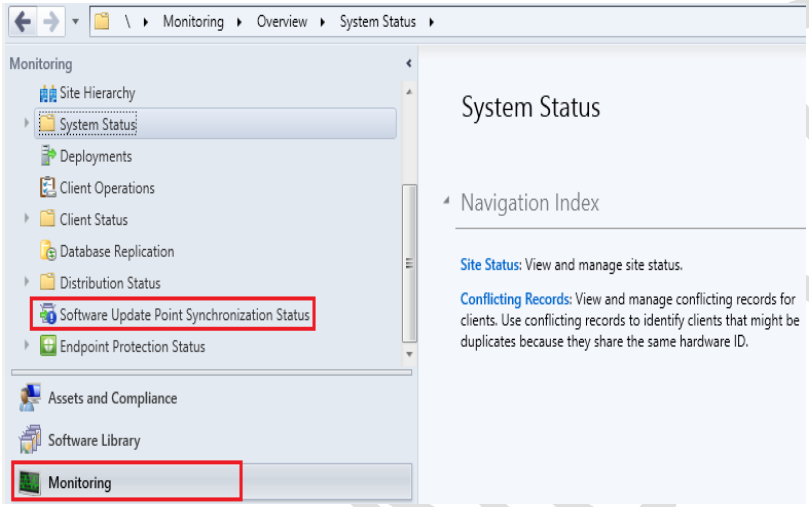
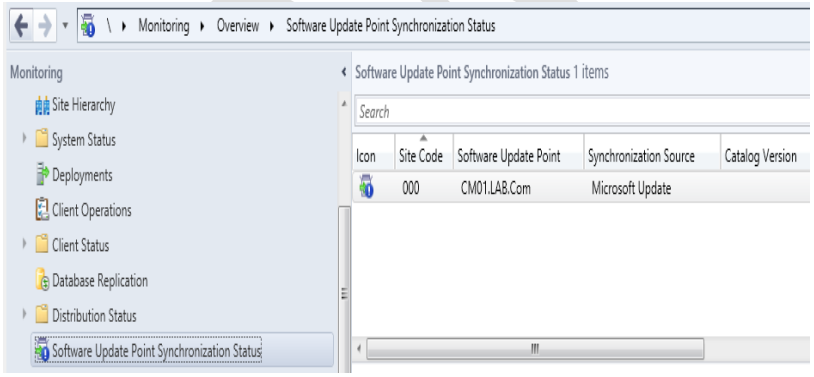
49. Daily - Check ConfigMgr Site Components and Site Status Details

#	Screen Shot	Steps Instructions
1		Launch Configuration Manager Console
2		Go to Monitoring → Select → System Status → Select Component Status.
3		Check that all Site System Roles are shown with the Status OK (Green Tick) If a server is shown in red: 1. Identify the problem and start to work on to fix the issues.
4		Start to work onto fix the issues.

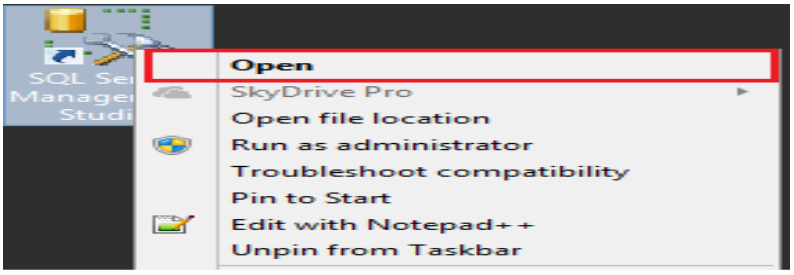
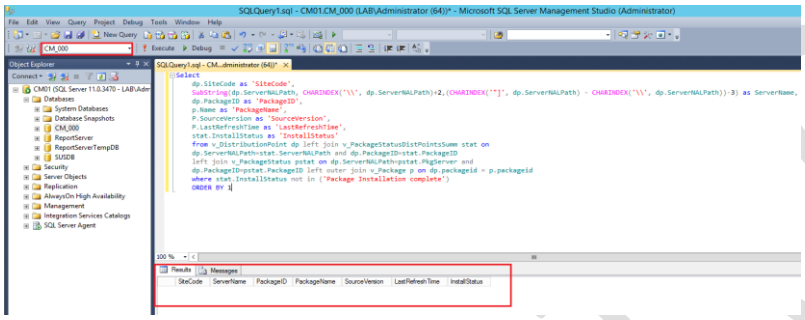
5		Go to Monitoring → Select → System Status → Select Component Status.
6		Check that all components are shown with the Status OK (Green Tick) If a server is shown in red: 1. Identify the problem and start to work on to fix the issues.
7		Start to work on to fix the issues.

DO NOT COPY

50. Daily - Check ConfigMgr Software Update Sync Details

#	Screen Shot	Steps Instructions
1		Launch Configuration Manager Console
2		Go to Monitoring → Select → Software Update Point Synchronizations Status.
3		Check that all components are shown with Green tick. If a server is shown in red: 1. Identify the problem and start to work on to fix the issues.

51. Daily - Check ConfigMgr ongoing Production Packages are copied on DP(s) Details

#	Screen Shot	Steps Instructions
1		Open SQL Server Management Studio.
2		Execute the below query then you will get the ConfigMgr packages waiting to update DPs information. **SQL Query:** --- Select dp.SiteCode as 'SiteCode', SubString(dp.ServerNALPath, CHARINDEX('\\', dp.ServerNALPath)+2,(CHARINDEX('"]', dp.ServerNALPath) - CHARINDEX('\\', dp.ServerNALPath))-3) as ServerName, dp.PackageID as 'PackageID', p.Name as 'PackageName', P.SourceVersion as 'SourceVersion', P.LastRefreshTime as 'LastRefreshTime', stat.InstallStatus as 'InstallStatus' from v_DistributionPoint dp left join v_PackageStatusDistPointsSumm stat on dp.ServerNALPath=stat.ServerNALPath and dp.PackageID=stat.PackageID left join v_PackageStatus pstat on dp.ServerNALPath=pstat.PkgServer and dp.PackageID=pstat.PackageID left outer join v_Package p on dp.packageid = p.packageid where stat.InstallStatus not in ('Package Installation complete') ORDER BY 1 ---

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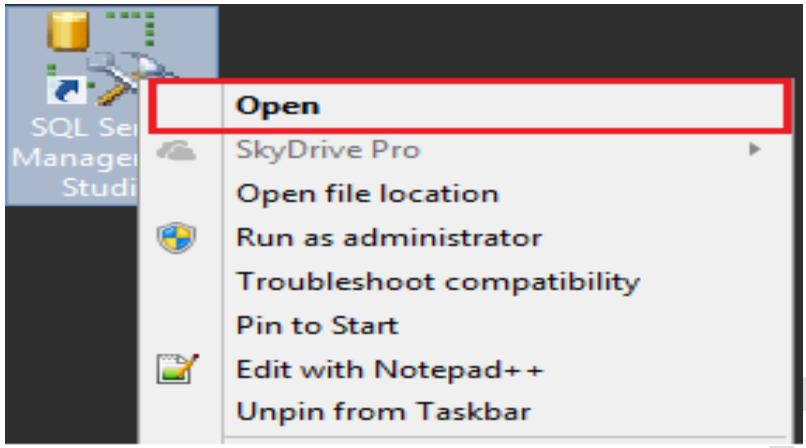
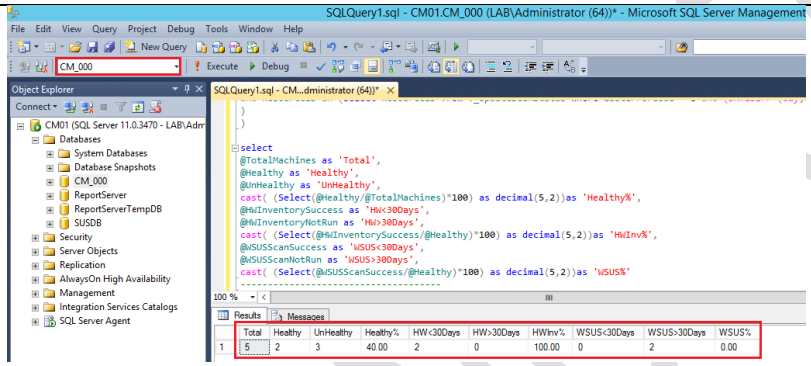
52. Daily - Check Workstations and Servers Client Health Details

#	Screen Shot	Steps Instructions
1		Open SQL Server Management Studio.
2		Execute the below query then you will get the Workstations Client Health Details. **SQL Query:** --- Declare @CollectionID as Varchar(8) Declare @TotalMachines as Numeric(5) Declare @Healthy as Numeric(5) Declare @UnHealthy as Numeric(5) Declare @HWInventorySuccess as Numeric(5) Declare @HWInventoryNotRun as Numeric(5) Declare @WSUSScanSuccess as Numeric(5) Declare @WSUSScanNotRun as Numeric(5) Set @CollectionID = 'SMS00001' select @TotalMachines = (select COUNT(*) from v_FullCollectionMembership where CollectionID = @CollectionID) select @Healthy = (select COUNT(*) from v_FullCollectionMembership where CollectionID = @CollectionID and IsAssigned = 1 and IsActive = 1 and IsObsolete != 1 and IsClient = 1) select @UnHealthy = (select COUNT(*) from v_FullCollectionMembership where CollectionID = @CollectionID and ResourceID Not in (select ResourceID from v_FullCollectionMembership where CollectionID = @CollectionID and IsAssigned = 1 and IsActive = 1 and IsObsolete != 1 and IsClient = 1)) select @HWInventorySuccess = (select COUNT(*) from v_FullCollectionMembership where CollectionID = @CollectionID

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```
and IsAssigned = 1 and IsClient = 1 and IsActive
= 1 and IsObsolete != 1
and ResourceID in (select ResourceID from
v_GS_WORKSTATION_STATUS where
(DATEDIFF (day,LastHWScan,GetDate())<30)
and ResourceID in (select ResourceID from
v_AgentDiscoveries Where AgentName in
('Heartbeat Discovery') and DATEDIFF
(day,AgentTime,GetDate())<30))
)
select @HWInventoryNotRun = ( select
COUNT(*) from v_FullCollectionMembership
where CollectionID = @CollectionID
and IsAssigned = 1 and IsClient = 1 and IsActive
= 1 and IsObsolete != 1
and ResourceID Not In (select ResourceID from
v_FullCollectionMembership where CollectionID
= @CollectionID
and IsAssigned = 1 and IsClient = 1 and IsActive
= 1 and IsObsolete != 1
and ResourceID in (select ResourceID from
v_GS_WORKSTATION_STATUS where
(DATEDIFF (day,LastHWScan,GetDate())<30)
and ResourceID in (select ResourceID from
v_AgentDiscoveries Where AgentName in
('Heartbeat Discovery') and DATEDIFF
(day,AgentTime,GetDate())<30))
)
)

select @WSUSScanSuccess = ( select
COUNT(*) from v_FullCollectionMembership
where CollectionID = @CollectionID
and IsAssigned = 1 and IsClient = 1 and IsActive
= 1 and IsObsolete != 1
and ResourceID in (select ResourceID from
v_UpdateScanStatus where lastErrorCode = 0
and (DATEDIFF
(day,LastScanTime,GetDate())<30) and
ResourceID in (select ResourceID from
v_AgentDiscoveries Where AgentName in
('Heartbeat Discovery') and DATEDIFF
(day,AgentTime,GetDate())<30))
)

select @WSUSScanNotRun = ( select
COUNT(*) from v_FullCollectionMembership
where CollectionID = @CollectionID
and IsAssigned = 1 and IsClient = 1 and IsActive
= 1 and IsObsolete != 1
and ResourceID Not In (select ResourceID from
v_FullCollectionMembership where CollectionID
= @CollectionID
and IsAssigned = 1 and IsClient = 1 and IsActive
= 1 and IsObsolete != 1
and ResourceID in (select ResourceID from
v_UpdateScanStatus where lastErrorCode = 0
and (DATEDIFF
(day,LastScanTime,GetDate())<30) and
ResourceID in (select ResourceID from
v_AgentDiscoveries Where AgentName in
('Heartbeat Discovery') and DATEDIFF
(day,AgentTime,GetDate())<30))
)
)

select
```

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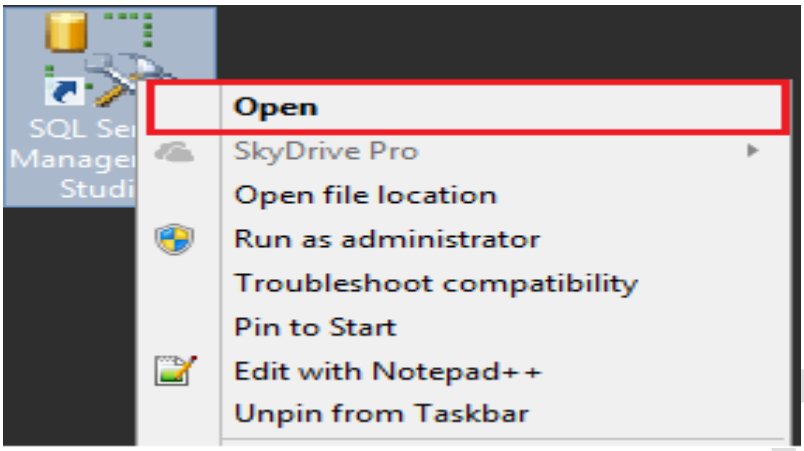
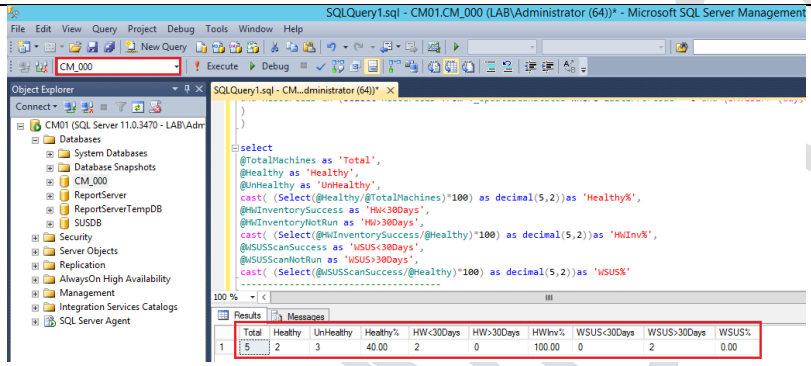
		@TotalMachines as 'Total', @Healthy as 'Healthy', @UnHealthy as 'UnHealthy', cast((Select(@Healthy/@TotalMachines)*100) as decimal(5,2))as 'Healthy%', @HWInventorySuccess as 'HW<30Days', @HWInventoryNotRun as 'HW>30Days', cast((Select(@HWInventorySuccess/@Healthy)*100) as decimal(5,2))as 'HWInv%', @WSUSScanSuccess as 'WSUS<30Days', @WSUSScanNotRun as 'WSUS>30Days', cast((Select(@WSUSScanSuccess/@Healthy)*100) as decimal(5,2))as 'WSUS%' ----------

DO NOT COPY

53. Daily - Check Clients Hardware and WSUS Scan Health Details

#	Screen Shot	Steps Instructions
1		Open SQL Server Management Studio.
2		Execute the below query then you will get the Workstations Client Health Details. **SQL Query:** --- Declare @CollectionID as Varchar(8) Declare @TotalMachines as Numeric(5) Declare @Healthy as Numeric(5) Declare @UnHealthy as Numeric(5) Declare @HWInventorySuccess as Numeric(5) Declare @HWInventoryNotRun as Numeric(5) Declare @WSUSScanSuccess as Numeric(5) Declare @WSUSScanNotRun as Numeric(5) Set @CollectionID = 'SMS00001' select @TotalMachines = (select COUNT(*) from v_FullCollectionMembership where CollectionID = @CollectionID) select @Healthy = (select COUNT(*) from v_FullCollectionMembership where CollectionID = @CollectionID and IsAssigned = 1 and IsActive = 1 and IsObsolete != 1 and IsClient = 1) select @UnHealthy = (select COUNT(*) from v_FullCollectionMembership where CollectionID = @CollectionID and ResourceID Not in (select ResourceID from v_FullCollectionMembership where CollectionID = @CollectionID and IsAssigned = 1 and IsActive = 1 and IsObsolete != 1 and IsClient = 1))

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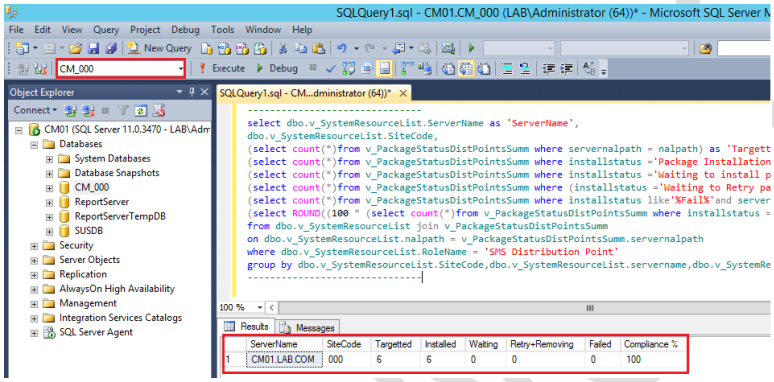
```
select @HWInventorySuccess = ( select
COUNT(*) from v_FullCollectionMembership
where CollectionID = @CollectionID
and IsAssigned = 1 and IsClient = 1 and IsActive
= 1 and IsObsolete != 1
and ResourceID in (select ResourceID from
v_GS_WORKSTATION_STATUS where
(DATEDIFF (day,LastHWScan,GetDate())<30)
and ResourceID in (select ResourceID from
v_AgentDiscoveries Where AgentName in
('Heartbeat Discovery') and DATEDIFF
(day,AgentTime,GetDate())<30))
)
select @HWInventoryNotRun = ( select
COUNT(*) from v_FullCollectionMembership
where CollectionID = @CollectionID
and IsAssigned = 1 and IsClient = 1 and IsActive
= 1 and IsObsolete != 1
and ResourceID Not In (select ResourceID from
v_FullCollectionMembership where CollectionID
= @CollectionID
and IsAssigned = 1 and IsClient = 1 and IsActive
= 1 and IsObsolete != 1
and ResourceID in (select ResourceID from
v_GS_WORKSTATION_STATUS where
(DATEDIFF (day,LastHWScan,GetDate())<30)
and ResourceID in (select ResourceID from
v_AgentDiscoveries Where AgentName in
('Heartbeat Discovery') and DATEDIFF
(day,AgentTime,GetDate())<30))
)
)

select @WSUSScanSuccess = ( select
COUNT(*) from v_FullCollectionMembership
where CollectionID = @CollectionID
and IsAssigned = 1 and IsClient = 1 and IsActive
= 1 and IsObsolete != 1
and ResourceID in (select ResourceID from
v_UpdateScanStatus where lastErrorCode = 0
and (DATEDIFF
(day,LastScanTime,GetDate())<30) and
ResourceID in (select ResourceID from
v_AgentDiscoveries Where AgentName in
('Heartbeat Discovery') and DATEDIFF
(day,AgentTime,GetDate())<30))
)

select @WSUSScanNotRun = ( select
COUNT(*) from v_FullCollectionMembership
where CollectionID = @CollectionID
and IsAssigned = 1 and IsClient = 1 and IsActive
= 1 and IsObsolete != 1
and ResourceID Not In (select ResourceID from
v_FullCollectionMembership where CollectionID
= @CollectionID
and IsAssigned = 1 and IsClient = 1 and IsActive
= 1 and IsObsolete != 1
and ResourceID in (select ResourceID from
v_UpdateScanStatus where lastErrorCode = 0
and (DATEDIFF
(day,LastScanTime,GetDate())<30) and
ResourceID in (select ResourceID from
v_AgentDiscoveries Where AgentName in
('Heartbeat Discovery') and DATEDIFF
(day,AgentTime,GetDate())<30))
)
```

DO NOT COPY

		) select @TotalMachines as 'Total', @Healthy as 'Healthy', @UnHealthy as 'UnHealthy', cast((Select(@Healthy/@TotalMachines)*100) as decimal(5,2))as 'Healthy%', @HWInventorySuccess as 'HW<30Days', @HWInventoryNotRun as 'HW>30Days', cast((Select(@HWInventorySuccess/@Healthy)*100) as decimal(5,2))as 'HWInv%', @WSUSScanSuccess as 'WSUS<30Days', @WSUSScanNotRun as 'WSUS>30Days', cast((Select(@WSUSScanSuccess/@Healthy)*100) as decimal(5,2))as 'WSUS%' ----------

54. Daily - Check ConfigMgr Available Packages on DP(s) Details

#	Screen Shot	Steps Instructions
1		Execute the below query: **SQL Query:** ---------- select dbo.v_SystemResourceList.ServerName as 'ServerName', dbo.v_SystemResourceList.SiteCode, (select count(*)from v_PackageStatusDistPointsSumm where servernalpath = nalpath) as 'Targetted', (select count(*)from v_PackageStatusDistPointsSumm where installstatus ='Package Installation complete'and servernalpath = nalpath) as 'Installed', (select count(*)from v_PackageStatusDistPointsSumm where installstatus ='Waiting to install package'and servernalpath = nalpath) as 'Waiting', (select count(*)from v_PackageStatusDistPointsSumm where (installstatus ='Waiting to Retry package'or installstatus ='Waiting to remove package') and servernalpath = nalpath) as 'Retry+Removing', (select count(*)from v_PackageStatusDistPointsSumm where installstatus like'%Fail%'and servernalpath = nalpath) as 'Failed', (select ROUND((100 * (select count(*)from v_PackageStatusDistPointsSumm where installstatus ='Package Installation complete'and servernalpath = nalpath)/(select count(*)from v_PackageStatusDistPointsSumm where servernalpath = nalpath)),2)) as 'Compliance %' from dbo.v_SystemResourceList join v_PackageStatusDistPointsSumm on dbo.v_SystemResourceList.nalpath = v_PackageStatusDistPointsSumm.servernalpath where dbo.v_SystemResourceList.RoleName = 'SMS Distribution Point'

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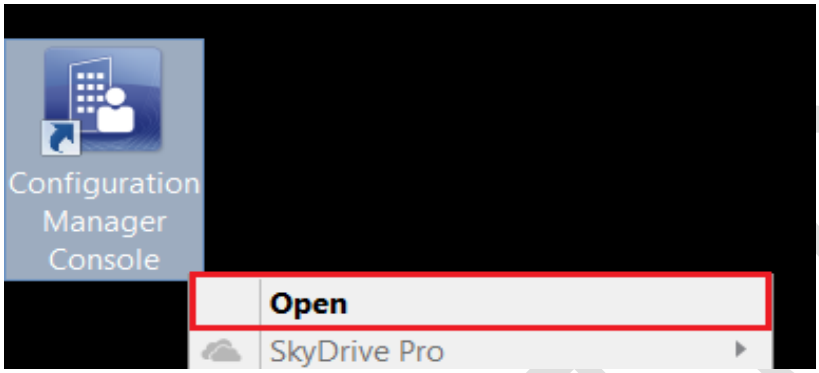
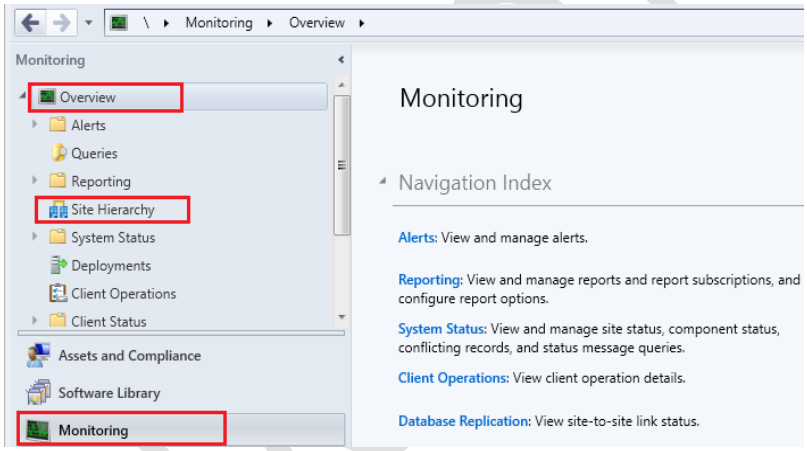
		group by dbo.v_SystemResourceList.SiteCode,dbo.v_SystemResourceList.servername,dbo.v_SystemResourceList.nalpath order by 1 ----------

55. Quarterly - Check ConfigMgr Infrastructure Site Hierarchy Details

#	Screen Shot	Steps Instructions
1		Launch Configuration Manager Console.
2		Go to Monitoring → Select → Site Hierarchy.

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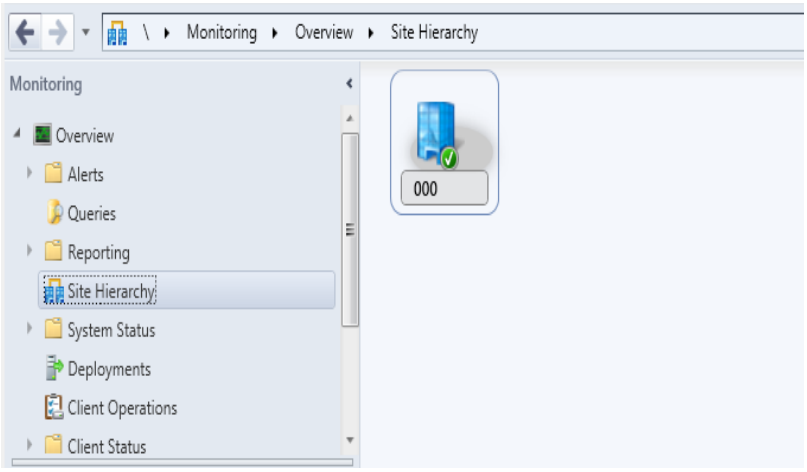
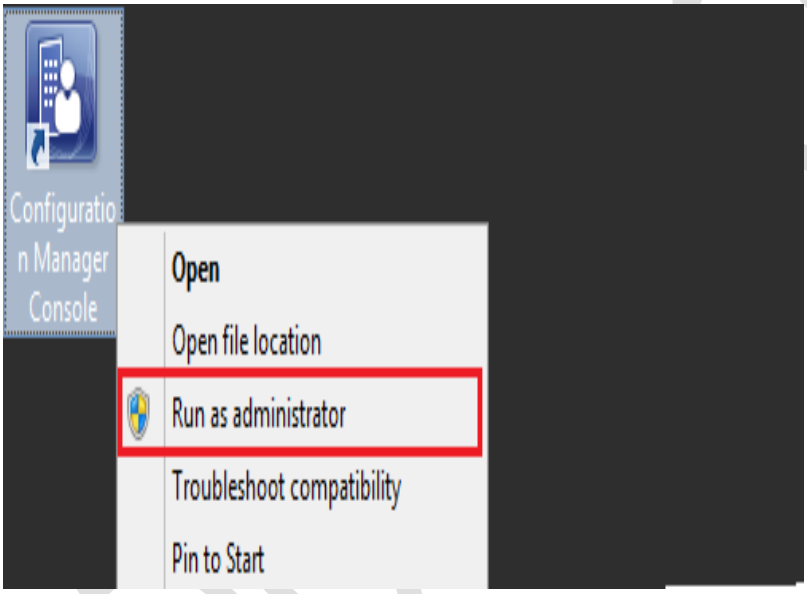
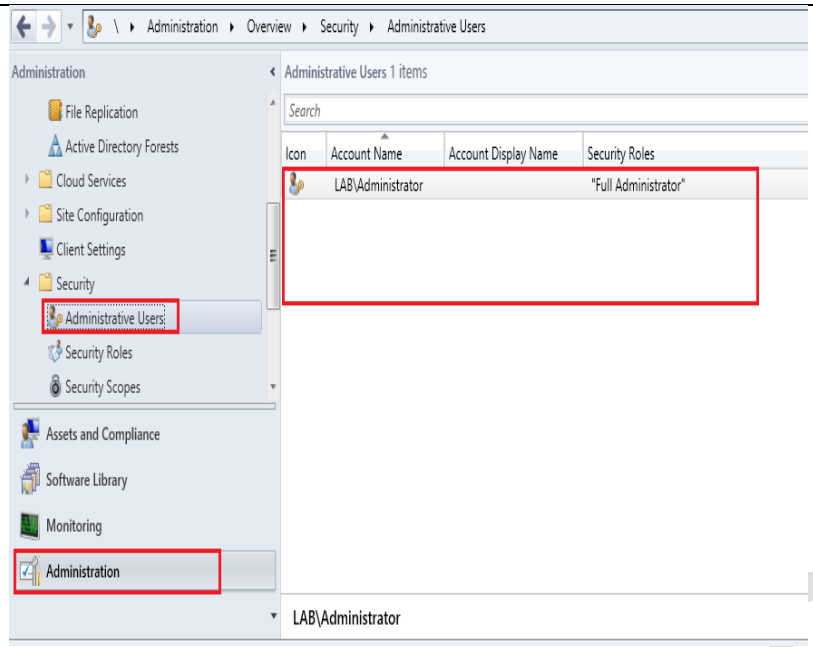
3		Green tick on the Site Hierachy indicates the Site health. If a server is shown in red: 31. Identify the problem and start to work on to fix the issues.

56. Quarterly - Check ConfigMgr Security Users and Rights Details

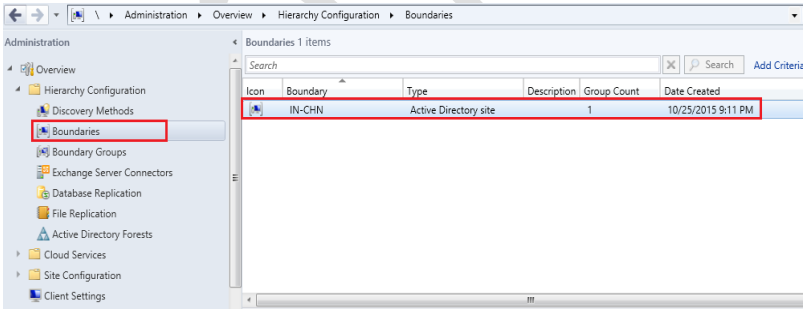
#	Screen Shot	Steps Instructions
1		Launch Configuration Manager Console

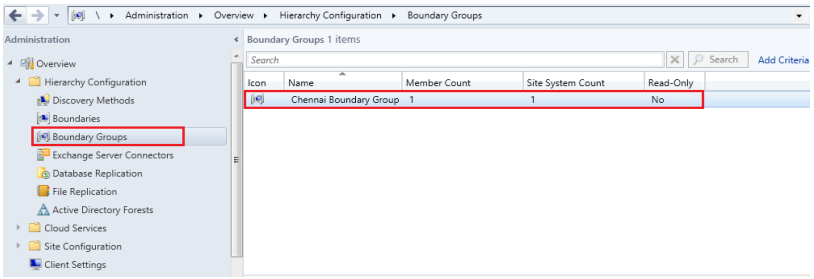
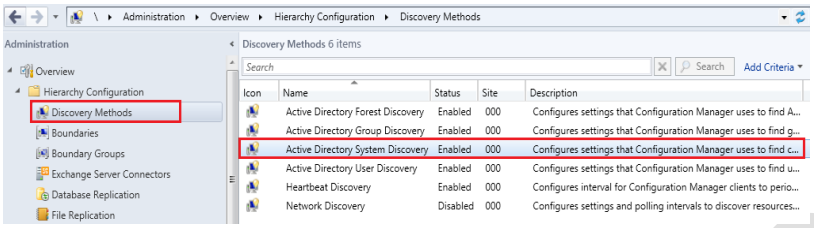
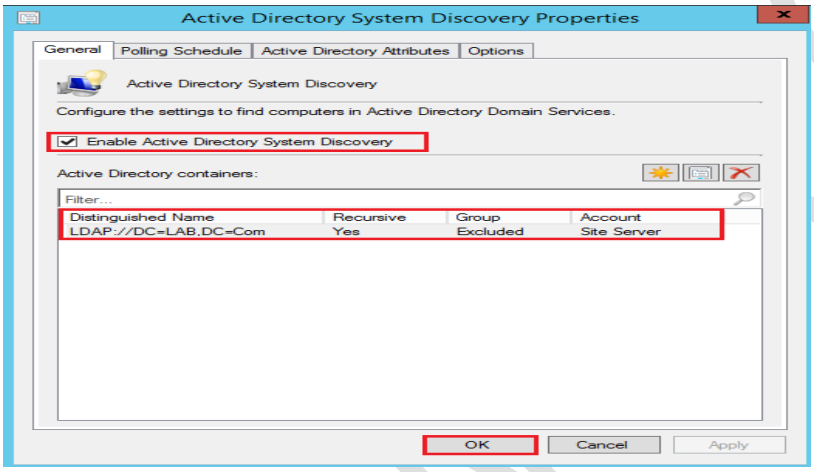
DO NOT COPY

2		In ConfigMgr Console → Select → Administration Node → Select Administrative users. Ensure the Security roles are assigned as per the agreement with the CUSTOMER.

DO NOT COPY

57. Quarterly - Check ConfigMgr Site Boundaries and OU Mapping Details

#	Screen Shot	Steps Instructions
1		Expand **Administration** → **Overview** → Select **Hierarchy Configuration** → Select → **Boundaries.**

2		Expand **Administration →Overview** → Select **Hierarchy Configuration** → Select → **Boundary Groups.**
3		Expand **Administration Overview** → Select **Hierarchy Configuration** → Select → Discovery methods → select → **Discovery Methods** → select → **Active Directory System Discovery.**
4		Verify the required **OUs** are added.

Technical Reference

1. Management Point Issue with error code 500

Issue:

MP Control fails with HTTP test request failed, status code is 500, 'Internal Server Error' on a Management Point running a 64-bit OS hosing 32-bit (x86) based IIS. The MP Control log contains the following.

Browsing to http://<SiteServerName>/SMS_MP/.sms_aut?MPlist returns a 500 as well.

Cause:

This problem occurs because the ASP.NET registry keys are missing. The ASP.NET registry keys are missing when you install ASP.NET after the Enable32bitAppIbWin64 Microsoft Internet Information Services (IIS) Meta base setting is set to a value of 1. Because IIS is configured to run in 32-bit mode, the installation creates the ASP.NET registry keys only in the 32-bit registry.

Solution:

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1. Click **Start**, Click Run, type **CMD** and then click **OK**.
2. To Enable the 64-bit mode, type the following command, and then press ENTER

   Cscript %SYSTEMDRIVE%\inetpub\adminscripts\adsutil.vbs SET

   W3SVC/AppPools/Enable32bitAppOnWin64 0
3. Type the following command, and then press ENTER:

   Cd C:\Windows\Microsoft.NET\Framework64\v2.05.0727
4. To Install the 64-bit version of ASP.NET, type the following command, and then press ENTER:

   aspnet_regiis -i
5. Type the following command, and then press ENTER **IISRESET**
6. Check SMS Host Agent services is running fine.
7. Reset IIS Service and other ConfigMgr related Services.

2. Inbox DDR Backlog Issue

Issue:

DDR Backlog issue

Inside DDM.box “n” number of DDR files are not processed.

Cause:

DDR files are corrupted, ConfigMgr agent is not installed properly.

Solution:

1. Check the DDM.log file and find out which DDR is blocking the process
2. Delete the file from Inbox\auth\ddm.box
3. Check DDM.log if any other DDR’s are blocking the process, if yes please delete those records also from Inbox\auth\ddm.box
4. Delete the machine from ConfigMgr console and install the ConfigMgr agent from client side.

3. Packages which are waiting to install stage for long days

Issue:

Packages which are waiting to install stage for long days

Cause:

Issue could be in Package Synchronization or Distribution Manager Service.

Solution:

1. Use the below query to find the list of packages which are pending to install stage

```
Select
dp.SiteCode as 'SiteCode',
substring(dp.ServerNALPath,13,9) as 'ServerName',
dp.PackageID as 'PackageID',
p.Name as 'PackageName',
P.SourceVersion as 'SourceVersion',
P.LastRefreshTime as 'LastRefreshTime',
stat.InstallStatus as 'InstallStatus'
from v_DistributionPoint dp left join v_PackageStatusDistPointsSumm stat on
dp.ServerNALPath=stat.ServerNALPath and dp.PackageID=stat.PackageID
left join v_PackageStatus pstat on dp.ServerNALPath=pstat.PkgServer and
```

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```
dp.PackageID=pstat.PackageID left outer join v_Package p on dp.packageid = p.packageid
where stat.InstallStatus not in ('Package Installation complete')
ORDER BY 1
```

2. Use the below query to reset the package status

```
select * from PkgStatus where id = 'PackageID' and sitecode = 'SiteCode' and type=1
update PkgStatus set Status =2 ,sourceversion = 0 where id = 'PackageID' and sitecode = 'SiteCode' and type = 1
select * from PkgStatus where sitecode = 'SiteCode' and type=1
```

3. Then refresh the packages to Distribution Points from ConfigMgr Console.

4. ConfigMgr Backup Failed, Error: VSS_E_WRITERERROR_TIMEOUT

Issue:

ConfigMgr Site server backup got failed with the error VSS-E_WRITERERROR_TIMEOUT in smsbkup.log

Cause:

SMS Writer is not stable, error message is timed out.

Solution:

1. Check SMS_SITE_VSS_WRITER is present and started state
2. Check SQL Server VSS Writer service is present and started state. If Site Database is configured on remote machine, this should be running there.
3. Check in Event Logs if there are any errors about these two services.
4. Check VSS writers functionality by running the below command line from command prompt

   Vssadmin list writers

5. Verify the output of the above command line, both SMS Writer and SQLServerWriter are present and their state should be “Stable” and Last Error shows “No Error”

5. ConfigMgr Backup Failed: Backup failed for component SMS_SITECODE

Issue:

ConfigMgr Site Server & Site Database backup got failed with the error “Backup Failed for Component SMS_SITECODE”

Cause:

ConfigMgr Backup failed because of huge Site Server data.

Solution:

1. Open **regedit**
2. Locate the below registry subkey

   HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\Memory Management

3. On the **Edit** menu point to New, and then click **DWORD value**
4. Type **PoolUsageMaximum** as the entry name, and then press ENTER
5. Right-Click **PoolUsageMaximum** and the click **Modify**
6. Click **Decimal**
7. In the **Value data** box, type **60**, and then click **OK**

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8. Close the Registry Editor
9. Restart the Site Server.

Important:

1. Use 60 as the initial value, if the backup doesn't succeed use the value as 40.
2. Make sure the value for the registry setting not more than 60.

6. Duplicate GUID Issues

Issue:

MP Control Manager shows warnings about Duplicate GUIDs

Cause:

Resource ID is not approved in ConfigMgr.

Solution:

1. Find and Delete the Duplicate GUID using below SQL Query

   ```
   select * from System_DISC where SMS_Unique_Identifier0 = 'GUID:C9B0D73B-48DC-49AC-A7F6-87C23C538EA4'

   delete from System_DISC where SMS_Unique_Identifier0 = 'GUID:C9B0D73B-48DC-49AC-A7F6-87C23C538EA4'
   ```

2. Restart SMS related services
3. Reset IIS service

7. SMS_INVENTORY_DATA_LOADER Failed to process the records

Issue:

Inventory Data Loader failed to process the file Program Files\Microsoft Configuration Manager\Inboxes\Auth\dataldr.box,

Cause:

Inventory Data Loader's MIF file reaches the maximum defined allowable size of 5000000 (5 MB).

Solution:

1. We need to increase the maximum allowable size Inventory Data Loader's MIF file.
2. We need to do the below registry changes to increase the maximum allowable size.

   HKLM\Software\Microsoft\SMS\Components\SMS_INVENTORY_DATA_LOADER\Max MIF Size (the default is 5 MB)
3. Right-click the Max MIF Size, select Decimal and enter the value data more than 5 MB. Microsoft will allow us to increase till 50 MB, however the best practice is to do the minor increases from the default value (5 MB).

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8. SMS_WSUS_SYNC_Manager Failed to sync Software Updates

Issue:

Failed to sync some of the updates, Error: License agreement not ready. This is a transient state while WSUS is downloading the agreement.

Cause:

BITS download foreground priority was not enabled.

Solution:

1. If we are using WSUS 3.0 with a Windows Internal Database that was created by a default WSUS installation, type the following command to enable BITS Download Foreground priority.

   %programfiles%\Update Services\Setup\ExecuteSQL.exe -S %Computername%\MICROSOFT##SSEE -d "SUSDB" -Q "update tbConfigurationC set BitsDownloadPriorityForeground=1"

2. Restart the Update Services service
3. Sync in ConfigMgr

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