# Configuration Manager Health Check – Check List

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# Introduction

This document provides a simple checklist to follow when doing a health check on a ConfigMgr environment

## Change Log

* 1. Initial document created, Johan Arwidmark
  2. Document moved to docx, Peter Löfgren
  3. Document reviewed and updated for CB1802, Peter Löfgren

## Future requests

1. Add images for sequence templates versions (MDT)
2. Check if Clients identified with outdated software update scan status
3. Inventory server hardware used for site servers
4. Inventory DP and site server free space on logical drives.

# Tasks

## In a client virtual machine

Install a virtual machine with Windows 7, 8, 8.1 or 10, English OS, English Language Settings, joined to the customer domain.

1. Install the ConfigMgr Console, and Office (Word and Excel minimum, and start Word once)
2. Install ConfigMgr 2012 Service Extension  
   <https://www.microsoft.com/en-us/download/details.aspx?id=45033>
3. Install ConfigMgr 2012 R2+ Toolkit (updated Nov 2015)  
   <https://www.microsoft.com/en-us/download/details.aspx?id=50012>

## Gather information on the Site Server

The follow actions are done on the primary site server.

* Review the SQL Backup Job, and make sure the backup destination is also backed up by customers normal backup routine
* Check antivirus exclusions
  + <http://www.systemcenterblog.nl/2012/05/09/anti-virus-scan-exclusions-for-configuration-manager-2012/>
  + <https://blogs.technet.microsoft.com/systemcenterpfe/2017/05/24/configuration-manager-current-branch-antivirus-update/>

## Gather information from Infrastructure Team

The follow actions are done on a DNS server.

* Check DNS Scavenging
  + <https://stevethompsonmvp.wordpress.com/2015/02/25/configmgr-why-you-need-to-implement-dns-scavenging/>
* Verify DHCP lease time and/or DHCP service setting IP-addresses

## Gather information on the virtual machine client

The follow actions are done on the virtual machine with Windows 7, 8, 8.1 or 10.

1. Gather SQL information
   1. Run Get-SQLData.ps1,
      1. .\Get-SQLData.ps1 -Path C:\temp -SQLServer CM01.corp.viamonstra.com -SQLCMDBName CM\_PS1
   2. Run the Write-CompiledReport.ps1
      1. .\Write-CompiledReport.ps1 -Path C:\temp
2. Verify that indexing rebuilding is configured (Ola Hallengren)
3. Verify multiple database files for both CM and TempDB
4. Verify CAP of log files for the following databases
   1. WSUS
   2. ReportingServices
   3. CM
5. Recovery mode set to simple
6. ReportingServices
7. Verify Min/Max SQL Memory on primary and secondary sites
8. Check drive space on servers
9. Script coming
10. Check IIS logs folder
11. Verify automatic cleanup of logs are enabled
12. Check ReportServer is running domain account
13. Check ReportServer domain account is member of “Windows Authorization Access Group”
14. Check Administration workspace: Site Servicing / Site Versions. Verify that all systems are on the same version.
    1. Note, requires ConfigMgr 2012 Service Extension to be installed
15. Run built in reports
    1. Count of Configuration Manager clients by client versions
    2. Clients that have not reported recently (in a specified number of days)
16. Run Get-ClientSettings.ps1
    1. .\Get-ClientSettings.ps1 -Output C:\temp\ClientSettings.txt
17. Verify Get-ClientSettings.ps1 output
    1. For example, check Client policy polling interval more frequent than every 30 minutes
18. Run Get-SourcePathForCMObjects.ps1
    1. .\Get-SourcePathForCMObjects.ps1 -Path C:\Temp -SiteCode PS1 -SiteServer cm01.corp.viamonstra.com
19. Review output from Get-SourcePathForCMObjects.ps1
    1. Verify DFS path is used
    2. Verify consistent paths are used
    3. Verify no local paths are used
20. Run Get-CMUnusedDrivers.ps1 and review output
    1. .\Get-CMUnusedDrivers.ps1 -Path -SiteServer cm01.corp.viamonstra.com -SiteCode PS1 -Logfile C:\Temp\Get-CMunusedDrivers.ps1
21. Run Get-Collections.ps1
    1. .\Get-Collections.ps1 -SiteServer cm01.corp.viamonstra.com -SiteCode PS1 -Logfile C.\Temp\Get-Collections.txt
22. Run Get-CollectionsMaintenanceWindows.ps1 and review output
    1. .\Get-CollectionsMaintenanceWindows.ps1 -SiteCode PS1 -SiteServer CM01 -HTML -Output C:\Temp\ Get-CollectionsMaintenanceWindows.html
23. Run Get-CollectionsRefreshSchedules.ps1 and review output
    1. .\ Get-CollectionsRefreshSchedules.ps1 -SiteCode PS1 -SiteServer CM01 -HTML -Output C:\Temp\Get-CollectionsRefreshSchedules..html
24. Run Get-PackagesConfiguredForPackageShare.ps1 and review output
    1. .\ Get-PackagesConfiguredForPackageShare.ps1 -Output C:\Temp\ Get-PackagesConfiguredForPackageShare.txt
25. Run Get-StatusMessages.ps1 to match the customer, and review output
    1. .\Get-StatusMessages.ps1 -Path C:\Temp -SiteCode PS1 -SiteServer cm01.corp.viamonstra.com

* Error status message ID 11135: Client(s) reported that a task sequence failed to execute an action
* Error status message ID 10815: Client(s) reporting certificate maintenance failures
* Error status message ID 10803: Client(s) reporting failures downloading policy
* Error status message ID 10006: Client(s) reporting problems executing advertised program(s)
* Error status message ID 11170: Client(s) reporting task sequence step failure
* Error status message ID 2306: Package source folder does not exist or not enough permissions
* Error status message ID 2302: Distribution Manager failed to process packages
* Warning status message ID 10018: Client(s) is reporting Platform is not supported for this advertisement
* Warning status message ID 10091: Client(s) reporting inability to update Windows Installer package source path(s)
* Warning status message ID 10056: Client(s) reporting problems executing advertised program(s)
* Warning status message ID 11138: Client(s) reporting task sequence step failure
* Warning status message ID 2542: Collection Evaluator failed to update query
* Status Warning 2543: Collection Evaluator failed to update the query rule of collection

1. Run Get-TaskSequences.ps1 and review output
   1. .\Get-TaskSequences.ps1 -Path C:\Temp -SiteCode PS1 -SiteServer cm01.corp.viamonstra.com
2. Review task sequences in the console
3. Check if "Automation client upgrade configuration" is defined
4. Check if Site Component Status Summarizer indicate
   1. Errors
   2. Warnings
5. Run the following queries from the monitoring workspace
   1. Check if Clients identified with missing or outdated hardware inventory
   2. Check if Clients identified with missing or outdated heartbeat discovery data
   3. Check if Clients identified with missing or outdated software inventory
6. Check for computers discovered without the SCCM client installed
7. Check ConfigMgr maintenance tasks
8. Verify that clean-up job exists for software updates
   1. Should be automated and include reindex and content cleanup
9. Verify Full Administrators have at least one AD group mapped
10. Note numbers of Full Administrators. Large number indicates poor processes with permission delegation.
11. Run Get-TSxDPTFTPSize.ps1 and review output
    1. .\Get-TSxDPTFTPSize.ps1 -Output C:\temp\Get-TSxDPTFTPSize.txt
12. Verify WSUS APP pool Private Memory limit
    1. Recommended 12GB or more