1. Basic Client Settings

|  |  |
| --- | --- |
| Computers used in  this Lab | ROUTER01  SRV0001  SRV0002 |
| More information | About client settings in System Center Configuration Manager  <https://technet.microsoft.com/en-us/library/mt629384.aspx> |
| Comments | Configuring default client settings apply to every single SCCM client. Depending on the settings it is recommended to create a new client setting and apply only to computers that need the new settings |
| Description | In this chapter, we will be changing the Default Client Settings with the basic configuration that will be required during this lab.  **Note:** Changing the default client settings apply to every single SCCM client. Depending on the settings it is recommended to create a new client setting and apply only to computers that need the new settings |

* 1. Changing Default Client Settings

|  |
| --- |
| Perform this task on the SRV0002 virtual machine logged on as sccmadmin |
| 01. Start Configuration Manager Console and Click Administration. |
| 02. Click Client Settings |
| 03. Select the default client settings and click Properties  Note: The Changing the Default Client Settings should be avoided as it applies to all clients and there is no way to revert it back. My recommendation is to create a new client setting with the changes and deploying to a collection with all clients if needed |
| 04. Under Default Settings, click Computer Agent and change Organization name displayed in Software Center to Training Lab |
| 05. Click Hardware Inventory and change the schedule from 7 days to 1 day |
| 06. Click Software Center and change:   * Select these new settings to specify company information: Yes * Company Name: Training Lab * Select a logo for Software Center, click browse and select \\srv0001\TrainingFiles\Scripts\traininglab.jpg * Unselect Hide installed applications in Software Center |
| 07. Click Software Inventory and change the Schedule from 7 days to 1 day |
| 08. Under software Inventory click Set Types |
| 09. Under Configure Client Settings, add file type \*.exe and click Ok  Note: Adding \*.exe for All client hard disk will take long and will fills the database with probably useless information. Validate your environment and use a better path location such as \*.exe from %programfiles% or \*.sys from %systemroot%\system32\drivers. |
| 10. Back to Default settings  Note: The authors’ personal recommendation is disabling software inventory, as it does not bring any real benefit. As it relies on WMI to search for the files, and WMI is not indexed, it may take longer than expected and thus may affect the client performance |
| 11. Click State Messaging and set the reporting cycle to 2 minutes. Click Ok.  Note: Setting a low value here will allow workstations to send information quicker to the server, however, setting it to a low value is not recommended in a production environment as it will affect Server Performance as well as may increasing network traffic. |

This can also be achieved via PowerShell using the commands below:

$SiteCode = "001"

$servername = "SRV0002.classroom.intranet"

$ClientSettingsName = "Default Client Agent Settings"

Set-CMClientSetting -ComputerAgentSettings -Name "$ClientSettingsName" -BrandingTitle "Training Lab"

$schedule = New-CMSchedule -RecurCount 1 -RecurInterval Days

Set-CMClientSetting -HardwareInventorySettings -Name "$ClientSettingsName" -EnableHardwareInventory $True -InventorySchedule $Schedule

$dict = @{"FileName"="\*.exe"; Exclude=$true; ExcludeWindirAndSubfolders=$true; Subdirectories=$true; Path="\*"}

Set-CMClientSettingSoftwareInventory -DefaultSetting -Enable $True -Schedule $schedule -AddInventoryFileType $dict

Set-CMClientSetting -Name "$ClientSettingsName" -StateMessageSettings -StateMessagingReportingCycleMinutes 2

#change software center settings

$Encoded = [convert]::ToBase64String((Get-Content 'filesystem::\\srv0001\trainingfiles\Scripts\traininglab.jpg' -Encoding byte))

$component = gwmi -Namespace ("root\sms\site\_$SiteCode") -query "select \* from SMS\_SCI\_ClientComp where FileType=2 and ItemName='SoftwareCenter' and ItemType='Client Component' and SiteCode='$SiteCode'"

$component.get()

$props = $component.Props

$prop = $props | where {$\_.PropertyName -eq 'SC\_Old\_Branding'}

$prop.Value = 1

$prop.Value1 = 'REG\_DWORD'

$component.Props = $props

$SettingsXML = [xml]@"

<settings>

<settings-version>1.0</settings-version>

<tab-visibility>

<tab name="AvailableSoftware" visible="true" />

<tab name="Updates" visible="true" />

<tab name="OSD" visible="true" />

<tab name="InstallationStatus" visible="true" />

<tab name="Compliance" visible="true" />

<tab name="Options" visible="true" />

</tab-visibility>

<software-list>

<unapproved-applications-hidden>false</unapproved-applications-hidden>

<installed-applications-hidden>false</installed-applications-hidden>

</software-list>

<brand-logo>$Encoded</brand-logo>

<brand-orgname>Test</brand-orgname>

<brand-color />

<application-catalog-link-hidden>false</application-catalog-link-hidden>

</settings>

"@

$prop = $props | where {$\_.PropertyName -eq 'SettingsXml'}

$prop.Value = 0

$prop.Value2 = $SettingsXML.OuterXml

$component.Props = $props

$prop = $props | where {$\_.PropertyName -eq 'SCLogo'}

$prop.Value = 0

$component.Props = $props

$component.Put() | Out-Null