## Chapter 1



| Windows Management Instrumentation Tester |  |  | - |  | x |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Namespace: <br> root $\backslash c i m v 2$ |  |  | Connect... |  |  |
|  |  |  | Exit |  |  |
| -IWbemServices |  |  |  |  |  |
| Enum Classes... | Enum Instances... | Open Namespace... | Editit Context... |  |  |
| Create Class... | Create Instance... | Query... | Creage Refresher... |  |  |
| Open Class... | Open Instance... | Notification Query... |  |  |  |
| Delete Class... | Delete Instance... | Execute Method... |  |  |  |
| Method Invocation Options <br> C Asynchronous <br> C Synchronous <br> - Semisynchronous <br> Г Use NextAsync (enum. only) <br> 10 <br> Batch Count (enum. only) |  | $\lceil$ Enable All Privileges <br> 「 Use Amended Qualfiers <br> $\lceil$ Direct Access on Read Operations <br> 5000 Timeout (msec.. 1 for infinite) |  |  |  |




## Chapter 2



| Component Name | Server Name | Status |
| :--- | :--- | :--- |
| (D)SMS_COMPONENT_MONITOR | DEMO-CM01.INFDEMO.COM | Running |

Configuration Manager Component Logging - Single Com... $\mathbf{X}$
$\sqrt{\checkmark}$ Logging enabled

V Use same file for all selected components

Log filename: $\quad$ nfiguration Manager\Logs \compmon.lod

Log size (MB):
$2 \quad \div$




## Chapter 3

| Name | Type | Data |  |
| :---: | :---: | :---: | :---: |
| $\mathrm{ab}^{\mathrm{b}}$ (Default) | REG_SZ | (value not set) |  |
| ab LogDirectory | REG_SZ | C:\Windows\CCM\Logs |  |
| 잉 LogEnabled | REG_DWORD | 0x00000001 (1) |  |
| 앙) LogLevel | REG_DWORD | 0x00000000 (0) |  |
|  | REG_DWORD | 0x00000003 (3) |  |
| 이이잉 LogMaxSize | REG_DWORD | Ox00100000 (1048576) |  |
| $<$ |  |  | > |


| Name |  | Type | Data |  |
| :---: | :---: | :---: | :---: | :---: |
| ab (Default) |  | REG_SZ | (value not set) |  |
| ab Enabled |  | REG_SZ | True |  |
| < | III |  |  | > |

Configuration Manager Properties

| Cache | Configurations | Network |  |
| :---: | :---: | :---: | :---: |
| General | Components | Actions | Site |

Select an action to run a client cycle independently from schedules that are configured in the Configuration Manager console.

Actions:
Application Deployment Evaluation Cycle Discovery Data Collection Cycle
File Collection Cycle Hardware Inventory Cycle Machine Policy Retrieval \& Evaluation Cycle Software Inventory Cycle Software Metering Usage Report Cycle Software Updates Deployment Evaluation Cycle Software Updates Scan Cycle
User Policy Retrieval \& Evaluation Cycle
Windows Installer Source List Update Cycle

Run Now

OK
Cancel
Apply

| $\log$ Text | Component |
| :--- | :--- | :--- |
| Entering ExecQueryAsync for query "select * from CCM AppDeliveryType where (AppDeliveryTypeld = "Scopeld 6E61F03E-E AppDiscovery |  |

Entering ExecQueryAsync for query "select * from CCM_AppDeliveryType where (AppDeliveryTypeld = "Scopeld_6E61F03E-E... AppDiscovery Performing detection of app deployment type http://demo-cm01/Reports - Web Application(Scopeld_6E61F03E-E39A-4C... AppDiscovery +++ Application NOT Discovered [AppDT Id: Scopeld_6E61F03E-E39A-4C19-B84F-5EB567933EFA/DeploymentType_1a9e8fd... AppDiscovery No dependencies for DeploymentType Scopeld_6E61F03E-E39A-4C19-B84F-5EB567933EFA/DeploymentType_1a9e8fd9-d24b... ApplntentEval +++ Did not detect app deployment type http://demo-cm01/Reports - Web Application(Scopeld_6E61F03E-E39A-4C19-B84... AppDiscovery Evaluating Application policies for S-1-5-21-307359223-2356355981-3919538702-1104 AppIntentEval
Scopeld_6E61F03E-E39A-4C19-B84F-5EB567933EFA/DeploymentType_1a9e8fd9-d24b-4e79-ba6f-8eb290cbbea9/1:- Current ... ApplntentEval Scopeld_6E61F03E-E39A-4C19-B84F-5EB567933EFA/Application_ae4df908-2f0d-41b3-a466-03b54b6794b8/4 :- Current State ... ApplntentEval Scopeld_6E61F03E-E39A-4C19-B84F-5EB567933EFA/RequiredApplication_ae4df908-2f0d-41b3-a466-03b54b6794b8/4:- Curre... ApplntentEval +++ Starting Install enforcement for App DT "http://demo-cm01/Reports - Web Application" ApplicationDeliveryType - Sco... AppEnforce The Install action on AppDT "http://demo-cm01/Reports - Web Application" [Scopeld_6E61F03E-E39A-4C19-B84F-5EB56793... AppDiscovery The content path is not specified for DeploymentType Scopeld_6E61F03E-E39A-4C19-B84F-5EB567933EFA/DeploymentTy... AppEnforce A user is logged on to the system. AppEnforce
Performing detection of app deployment type http://demo-cm01/Reports - Web Application(Scopeld_6E61F03E-E39A-4C... AppEnforce +++ Application NOT Discovered [AppDT Id: Scopeld_6E61F03E-E39A-4C19-B84F-5EB567933EFA/DeploymentType_1a9e8fd... AppEnforce

Performing detection of app deployment type http://demo-cm01/Reports - Web Application(Scopeld_6E61F03E-E39A-4C... AppEnforce ++++++ App enforcement completed (1 seconds) for App DT "http://demo-cm01/Reports - Web Application" [Scopeld_6E... AppEnforce +++ Discovered application [AppDT Id: Scopeld_6E61F03E-E39A-4C19-B84F-5EB567933EFA/DeploymentType_1a9e8fd9-d24... AppEnforce Entering ExecQueryAsync for query "select * from CCM_AppDeliveryType where (AppDeliveryTypeld = "Scopeld_6E61F03E-E... AppDiscovery Performing detection of app deployment type http://demo-cm01/Reports - Web Application(Scopeld_6E61F03E-E39A-4C... AppDiscovery +++ Discovered application [AppDT Id: Scopeld_6E61F03E-E39A-4C19-B84F-5EB567933EFA/DeploymentType_1a9e8fd9-d24... AppDiscovery +++ Detected app deployment type http://demo-cm01/Reports - Web Application(Scopeld_6E61F03E-E39A-4C19-B84F-5EB... AppDiscovery No dependencies for DeploymentType Scopeld_6E61F03E-E39A-4C19-B84F-5EB567933EFA/DeploymentType_1a9e8fd9-d24b... ApplntentEval Evaluating Application policies for S-1-5-21-307359223-2356355981-3919538702-1104 ApplntentEval Scopeld_6E61F03E-E39A-4C19-B84F-5EB567933EFA/DeploymentType_1a9e8fd9-d24b-4e79-ba6f-8eb290cbbea9/1 :- Current ... ApplntentEval Scopeld_6E61F03E-E39A-4C19-B84F-5EB567933EFA/Application_ae4df908-2f0d-41b3-a466-03b54b6794b8/4:- Current State ... ApplntentEval Scopeld_6E61F03E-E39A-4C19-B84F-5EB567933EFA/RequiredApplication_ae4df908-2f0d-41b3-a466-03b54b6794b8/4 :- Curre... ApplntentEval No dependencies for DeploymentType Scopeld_6E61F03E-E39A-4C19-B84F-5EB567933EFA/DeploymentType_1a9e8fd9-d24b... ApplntentEval Evaluating Application policies for S-1-5-21-307359223-2356355981-3919538702-1104 ApplntentEval Scopeld_6E61F03E-E39A-4C19-B84F-5EB567933EFA/DeploymentType_1a9e8fd9-d24b-4e79-ba6f-8eb290cbbea9/1:- Current ... ApplntentEval Scopeld_6E61F03E-E39A-4C19-B84F-5EB567933EFA/Application_ae4df908-2f0d-41b3-a466-03b54b6794b8/4:- Current State ... ApplntentEval Scopeld_6E61F03E-E39A-4C19-B84F-5EB567933EFA/RequiredApplication_ae4df908-2f0d-41b3-a466-03b54b6794b8/4 :- Curre... ApplntentEval

| Issued To | Issued By | Expiratio... | Intended Purposes |
| :--- | :--- | :--- | :--- | Certificate Template



| Error Lookup |  |
| :--- | :--- |
| Error code: $\quad 8007045 \mathrm{~b}$ | Lookup |
| A system shutdown is in progress. |  |
| Source: Windows |  |
| - |  |
|  |  |

## Chapter 4




Database Replication 1 items

| Search |  |  |  |  |  |  |
| :---: | :---: | :---: | :--- | :--- | :--- | :--- |
| Icon | Parent Site | Child Site | Link State | Description |  |  |
|  | CAS | PR1 | Link Failed | Link has failed |  |  |


| Replication Status |  |  |  | $\checkmark$ |
| :---: | :---: | :---: | :---: | :---: |
| Site Replication Status Global Data Replication Status |  |  |  | 1 |
| Parent Site： | CAS | Parent Site to Child Site |  |  |
| Parent Site State： | Replication Active | Global State： | Link Degraded |  |
| Child Site： | PR1 | Parent Site to Child Site |  |  |
| Child Site State： | Replication Active | Global Synchronization |  |  |
|  |  | Time： | 04／03／2015 21：09 |  |
|  |  | Child Site to Parent Site |  |  |
|  |  | Global State： | Link Failed | $\equiv$ |
|  |  | Last Synchronization Time： | 04／03／2015 21：07 |  |
|  |  | Global Data Initialization |  |  |
|  |  | Percentage： | 100\％ |  |
| Site Data Replication Status View related historical traffic data |  |  |  |  |
| Child Site to Parent Site State： <br> Link Failed <br> Child Site to Parent Site <br> Synchronization Time： <br> 04／03／2015 21：01 |  | View related historical traffic data |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Summary | Parent Site | Child Site | Initialization Detail | Replication Detail |
| :--- | :--- | :--- | :--- |

```
40% Save Diagnostic Files
租 Connect to Site
(⿴囗⿻一𠃋十() Replication Link Analyzer
Refresh
F5
```


## Link Properties

```
Parent Database Properties
［圆 Child Database Properties
```

Scanning high priority outbound replication directory．
Did not find any replication files．
Scanning normal priority outbound replication directory．
Found 1 replication files
There may be more replication files coming in，wait 5 seconds and scan again．
Did not find any additional replication files．
Scanning low priority outbound replication directory．
Did not find any additional replication files．
Minijob created．Priority 2，transfer root（<br>BOOK－CAS．demo．local\SMS＿CAS\inboxes\replmgr．box\ready\2＿18dpea．PR1）．
Waiting for outbound replication files．．．

SMS＿REPLICATION＿MANAGER SMS＿REPLICATION＿MANAGER SMS＿REPLICATION＿MANAGER SMS＿REPLICATION＿MANAGER SMS＿REPLICATION＿MANAGER SMS＿REPLICATION＿MANAGER SMS＿REPLICATION＿MANAGER SMS＿REPLICATION＿MANAGER SMS＿REPLICATION＿MANAGER SMS＿REPLICATION＿MANAGER



## Chapter 5




## Configuration Manager Client Package

| General |  | Completion Statistics |
| :--- | :--- | :--- |
| Software: | Configuration Manager Client Package |  |
| Type: | Package |  |
| Date Created: | $02 / 10 / 201420: 52$ |  |
| Package ID: | INF0000 |  |
|  |  | 2 Targeted (Last Update: 24/04/2015 10:37) View Status |
|  |  |  |



## Chapter 6

| Name | Type | Data |
| :---: | :---: | :---: |
| $\mathrm{ab}^{\mathrm{b}}$ (Default) | REG_SZ | (value not set) |
| ab AdminUlLog | REG_SZ | C:\Program Files\SMS_CCM\CMApplicationCatalogSvc\Logs $\backslash$ |
| 앙잉 LogMaxHistory | REG_DWORD | Ox00000001 (1) |
| 앙융NaxFileSize | REG_DWORD | 0x007a1200 (8000000) |


| System Center Endpoint Protection | $\mathbf{x}$ |
| :--- | :--- |
| System Center Endpoint Protection |  |

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System information:
Antimalware Client Version: 4.5.216.0
Engine Version: 1.1.12300.0
Antivirus definition: 1.211.1525.0
Antispyware definition: 1.211.1525.0
Policy Name: Default Client Antimalware Policy
Endpoint Protection Hyper-V Host
Policy Applied: 01/12/2015 at 14:47

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## Enrollment Profile

Create or select an enrollment profile for mobile devices or Mac computers. Users associated with a profile can enroll their mobile devices and Mac computers to be managed by Configuration Manager. An enrollment profile defines the site that manages the mobile device or Mac computers and the certificate details used for enrollment and renewal.

Enrollment profiles for mobile devices or Mac computers:


| Create... | Edit Selected ... | Delete Selected |
| :---: | :---: | :---: |

Details:
Profile Name: Mac Enrollment
Description: Enrollment Profile for Apple Macs
Assigned Site Code: INF
Certification Authority: DEMO-DC01.infdemo com Vinfdemo-CA
Certificate Template: Mac Enrollment



## Reporting

4 Navigation Index

Reports: View and manage reports, create report subscriptions, and Subscriptions: View and manage report configure report options.

4 Links

Use the following links to connect directly to SQL Reporting Services:

Report Manager
http://demo-cm01/Reports (Default)

Report Server
http://demo-cm01/ReportServer (Default)

## Service connection point Properties

General

Select a mode for the service connection point:

Service connection point mode
© Online, persistent connection (recommended)
Creates a persistent connection to the Configuration Manager cloud service and proactively notifies you of updates. This option enables the connection point to automatically query for and download Configuration Manager updates, which you can then choose to install.Offline, on-demand connection
Requires you to run the Service Connection Tool to set the initial configuration of the role and configure notifications.

Learn more about service connection point role and its modes

## Usage Data

Select which level of data you would like to send Microsoft.

## Basic

This level includes data about your hierarchy and is required to help improve your installation or upgrade experience, as well as help determine which Configuration Manager updates are applicable. Examples of data collected includes site data (operating system version, time zone), site roles (site \#, SSL State), database performance metrics (CPU count), and the Configuration Manager features that are enabled.
(-) Enhanced
This level includes data collected in the "Basic" level as well as feature-specific data (frequency and duration of use). Configuration Manager client settings (component name, state and certain settings like polling intervals), and basic information about software updates. This level is recommended because it provides Microsoft with the minimum data required to make useful improvements in future versions of products and services. This level does not collect object names (sites, users, computer, or objects), details of security-related objects, or vulnerabilities like counts of systems requiring software updates.

## Full

The "Full" level includes all data collected in "Basic" and "Enhanced" levels. This level also collects additional information about endpoint protection (number of devices in different EP states), update compliance percentages, and software updates. This level can also include advanced diagnostic information like system files and memory snapshots which may include personal information that existed in memory or log files at the time of capture. Microsoft will not use this information to identify you, contact you, or for advertising purposes.

## ■ <br> Software Update Point Component Properties

| Sync Settings | Classifications | Products | Sync Schedule | Supersedence Rules | Languages |
| :--- | :--- | :--- | :--- | :--- | :--- |

Select the synchronization source for this software update point.

- Synchronize from Microsoft Update

When there is an upstream software update point, this option is unavailable.Synchronize from an upstream data source location (URL)
Example: http://WSUSServer:80 or https://WSUSServer:8531
$\square$Do not synchronize from Microsoft Update or upstream data source
Select this option if you manually synchronize software updates on this software update point. Typically. you use manual synchronizing when the software update point is disconnected from Microsoft Update or the upstream software update point.

## WSUS reporting events

You can configure the Windows Update Agent on client computers to create event messages for Windows Server Update Services (WSUS) reporting. Configuration Manager does not use these events, you should not create them unless you require them for other uses.

- Do not create WSUS reporting eventsCreate only WSUS status reporting eventsCreate all WSUS reporting events




## Chapter 7

| ${ }^{10}$ a Configuration Manager Properties |  |  |  |
| :---: | :---: | :---: | :---: |
| Cache | Config |  |  |
| General | Components | Actions | Site |
| View and configure the client properties for System Center Corfiguration Manager. |  |  |  |
| Client properties: |  |  |  |
| Property Value <br> Assigned management poi... smart-cm.ergo,smartbusinessje <br> Client certficate: Self-signed <br> Connection Type: Currently intranet <br> Ste code: SMS:EGD <br> Unique identfier: GUID:F15E342A-9908-4EB9-930C-4013. <br> Version: 5.00 .8239 .1000 |  |  |  |


| F Configuration Manager Properties |  |  |  |
| :---: | :---: | :---: | :---: |
| Cache | Corfigu |  | ork |
| General | Components | Actions | Ste |
| Select an action to run a client cycle independertly from schedules that are corfigured in the Configuration Manager console. |  |  |  |
| Actions: |  |  |  |
| Applcation Deployment Evaluation Cycle <br> Discovery Data Collection Cycle <br> File Collection Cycle <br> Hardware Inventory Cycle <br> Machine Policy Retrieval \& Evaluation Cycle <br> Software Inventory Cycle <br> Software Metering Usage Report Cycle <br> Software Updates Deployment Evaluation Cycle <br> Software Updates Scan Cycle <br> User Policy Retrieval \& Evaluation Cycle <br> Windows Installer Source List Update Cycle |  |  |  |
| Run Now |  |  |  |
| OK Canc |  |  | App |

## Chapter 8





## 5ystem Center 2012 R2 Configuration Manager Setup wizard

## Site Server and Database Recovery Options

|  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |

You can recover a site server from an existing Configuration Manager backup set or reinstall the site server. If setup has detected an existing site installation on this computer, site server recovery settings are disabled.

- Recover this site server using an existing backup

Example: <br>Fileserver\Backupshare\XYZBackup or Z:\Backup\XYZBackup


C Reinstall this site server

You can recover the site database from an existing Configuration Manager backup set or create a new database for this site. Alternatively, you can specify that the site database was manually recovered by using a different method, or you can skip database recovery when the site database was unaffected by the disaster.
(- Recover the site database using the backup set at the following location:
Example: <br>Fileserver\Backupshare\XYZBackup or Z:\Backup\XYZBackup
Path:
$C$ Create a new database for this site
C Use a site database that has been manually recovered
C Skip database recovery (Use this option if the site database was unaffected)

## Chapter 9





```
SQLQuery1.sq| - (l...GO\admingerry (89))* }
    DBCC Showcontig
```



```
    - Extents Scanned...............................................}
```



```
    - Avg. Pages per Extent..................................}0.
    - Scan Density [Best Count:Actual Count].......: 100.00% [0:0]
    - Extent Scan Fragmentation ...................... 0.00% 0.0.0
    - Avg. Bytes Free per Page...............................0.0
    - Avg. Page Density (full)...............................0.00%
    DBCC SHOWCONTIG scanning 'spt_fallback_usg' table...
    Table: 'sot fallback usg' (149575571): index ID: 0. database ID
```

```
S C:\Users\admingerry> get-help Invoke-WsusServerCleanup
JAME
    Invoke-WsusServerCleanup
YNTAX
    Invoke-WsusServerGleanup [-UpdateServer <IUpdateSeruer>] [-CleanupObsoleteGomputers] [-CleanupObsoleteUpdates ] 
    [-Confirm] [<CommonParameters>]
```

