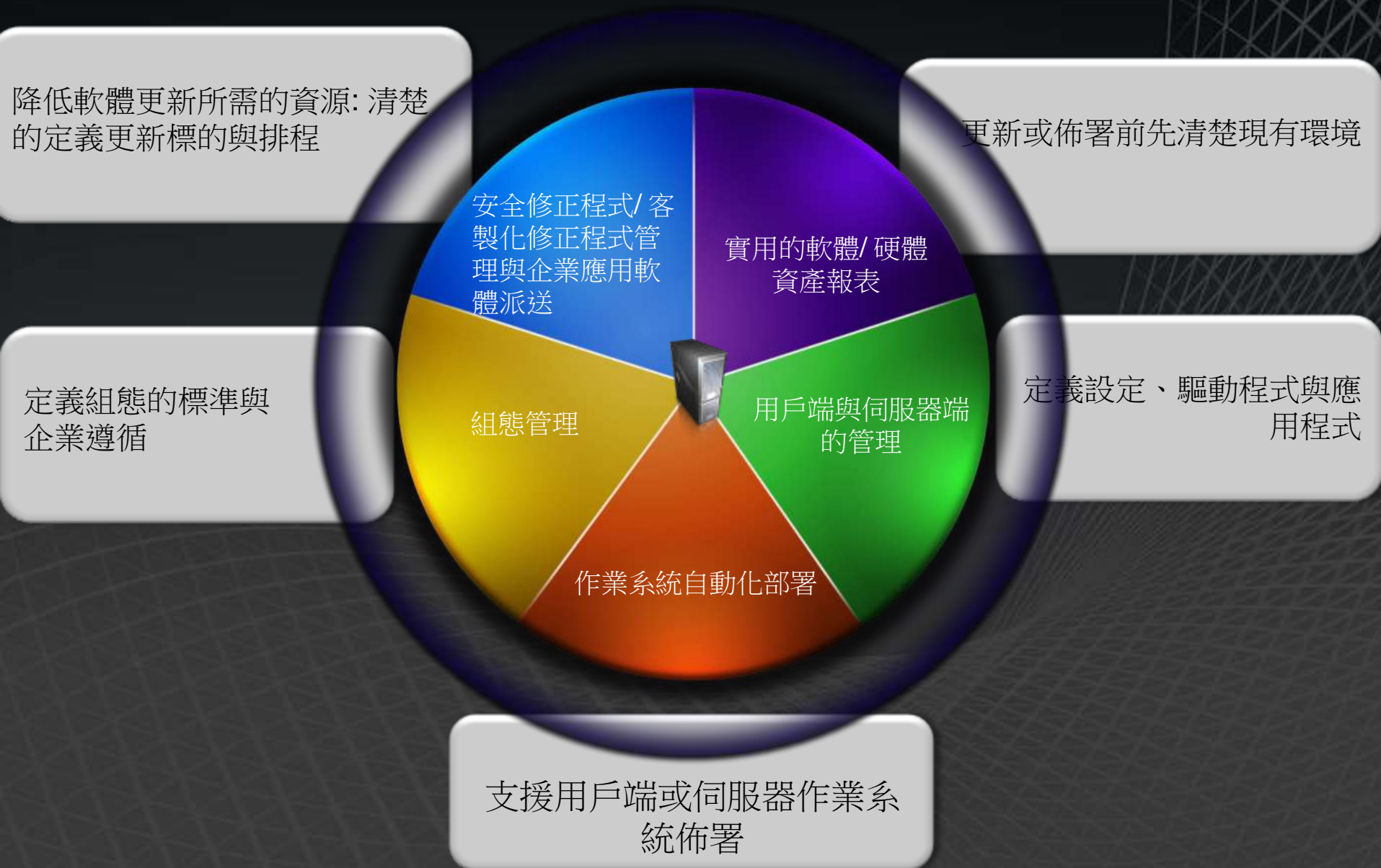Microsoft®
System Center

如何使用Microsoft System Center Configuration Manager 2007 落實資產管理

Microsoft

Agenda

- System Center Configuration Manager 2007 SP1的新功能
  - AI新功能
  - 升級前的準備工作
  - 軟硬體資產管理
- System Center Configuration Manager 2007 R2的新功能
  - 整合虛擬應用程式的管理
  - 強化作業系統佈署
  - 整合報表
  - 整合資訊安全

主要功能

降低軟體更新所需的資源: 清楚的定義更新標的與排程

更新或佈署前先清楚現有環境

定義組態的標準與企業遵循

定義設定、驅動程式與應用程式

安全修正程式/ 客製化修正程式管理與企業應用軟體派送

實用的軟體/ 硬體資產報表

組態管理

用戶端與伺服器端的管理

作業系統自動化部署

支援用戶端或伺服器作業系統佈署

Asset Intelligence的歷史

- 2006年5月，AssetMetrix 加入微軟
  - 提供廣泛的資產清單與報表服務
  - 包含廣泛的智慧資產分類與分級
  - 知識庫包含七千萬種軟體及超過35萬種軟體名稱

- 2007年4月，AI 1.0 提供 SMS 2003 SP3報表
  - 延伸 SMS 2003的資產管理
  - 新的報表簡化資產與軟體授權報表

- 2007年 11月，AI 1.1 內建在 Configuration Manager 2007
  - 改良效能與報表的正確性
  - 新的報表包含用戶端存取授權 CAL 使用狀況，支援 Windows Server (2000+) 及 Exchange (2003+)
  - 增強資產管理的能力，包含硬體變更及應用程式使用率的報表

- 2008年5月，AI 1.5 包含在 Configuration Manager 2007 SP1
  - 新的界面之緣自定軟體類別目錄及軟體授權紀錄
  - SA客戶可依需求或是排程更新資產類別
  - 可匯入授權資訊，顯是軟體使用狀況與採購授權狀態

Asset Intelligence 1.5 的目標

軟體

- 企業內部安裝了哪些軟體授權?
- 安裝軟體的來源及有多少電腦已經安裝?
- 該如何分辨未知或是為核可的軟體?

硬體

- 企業有哪些硬體? 可以支援新版本的軟體嗎?
- 軟體與硬體的匹配問題
- 硬體組態是不是被異動? DVD ROM 有沒有被換成CD ROM?

授權

- 軟體授權採購是否過量或不足?
- 哪些軟體授權經常被使用? 是否有軟體從未被使用的狀況發生?
- AI報表的資訊和軟體授權的關聯?

客製化軟體目錄

- 可否自行群組化軟體名稱及軟體的支援週期?
- 軟體隨時都會有新版本，要如何確保軟體資產管理的準確性?
- 企業自行開發的軟體是否一樣可以分門別類?

專有名詞

Discovery
- 偵測透過目錄服務或是網路存取，可被管理的資訊系統的作業

Discovery data
- 將電腦名稱、作業系統和系統類型資訊回報到 ConfigMgr 的資料

Inventory
- 透過代理程式回報完整的系統資訊，包含硬體資產

Configuration Manager client
- 執行在用戶端或伺服器上的 ConfigMgr 代理程式

AI client side components
- 作為執行在 ConfigMgr 代理程式上蒐集系統資訊的要件

AI server side components
- 資料庫和 ConfigMgr Site Server 的要件

Configuration Manager 和 AI

- AI 是 SC Config Mgr 的功能之一，不是單獨產品
  - 與Config Mgr 可相容於不同語系的 32或64位元作業系統，並共用同一個資料庫
  - 軟硬體需求與Configuration Manager 相同

- AI 與 Configuration Manager 一樣的操控介面
  - 一樣的外觀、對話視窗及精靈協助設定
  - 一樣的資料回報機制

- AI 只能透過 ConfigMgr 一起使用
  - 不允許在ConfigMgr 產品以外使用 AI 的知識
 - 不允許在SDK/ UI以外的功能變更AI的類別庫

AI 1.5
新功能

- 新介面New UI
  - 更新Configuration Manager 的操作介面
  - 新的軟體目錄與授權管理的介面
  - 強化 Asset Intelligence WMI Classes

- System Center Online 連線
  - 依需求或是排程透過線上服務進行軟體目錄同步
  - 新的Configuration Manager 角色: The Asset Intelligence Synchronization Point
  - 上傳軟體目錄到 On-line Service

- 可複製 AI內容到其他 Configuration Manager sites

- 可透過匯入授權資訊及比對資產

Asset Intelligence工作原理

- 全新的操作介面
  - 輕鬆存取Asset Intelligence 的統計資料
  - 可以為企業環境建立客製的軟體目錄

- 連線到 "live" System Center experience.
  - 與 "System Center Online" 整合
  - 可排程或是依需要更新軟體目錄
  - 上傳未定義的軟體名稱

- 與軟體授權報表整合
  - 報表顯示軟體授權的利用率與購買狀態
  - 微軟與非微軟的軟體授權均適用

"System Center Online"

蒐集軟體與硬體的資產

資產與授權報表

ConfigMgr Inventory

Catalog KB

- 軟體整合
- 升級計畫
- 授權報表
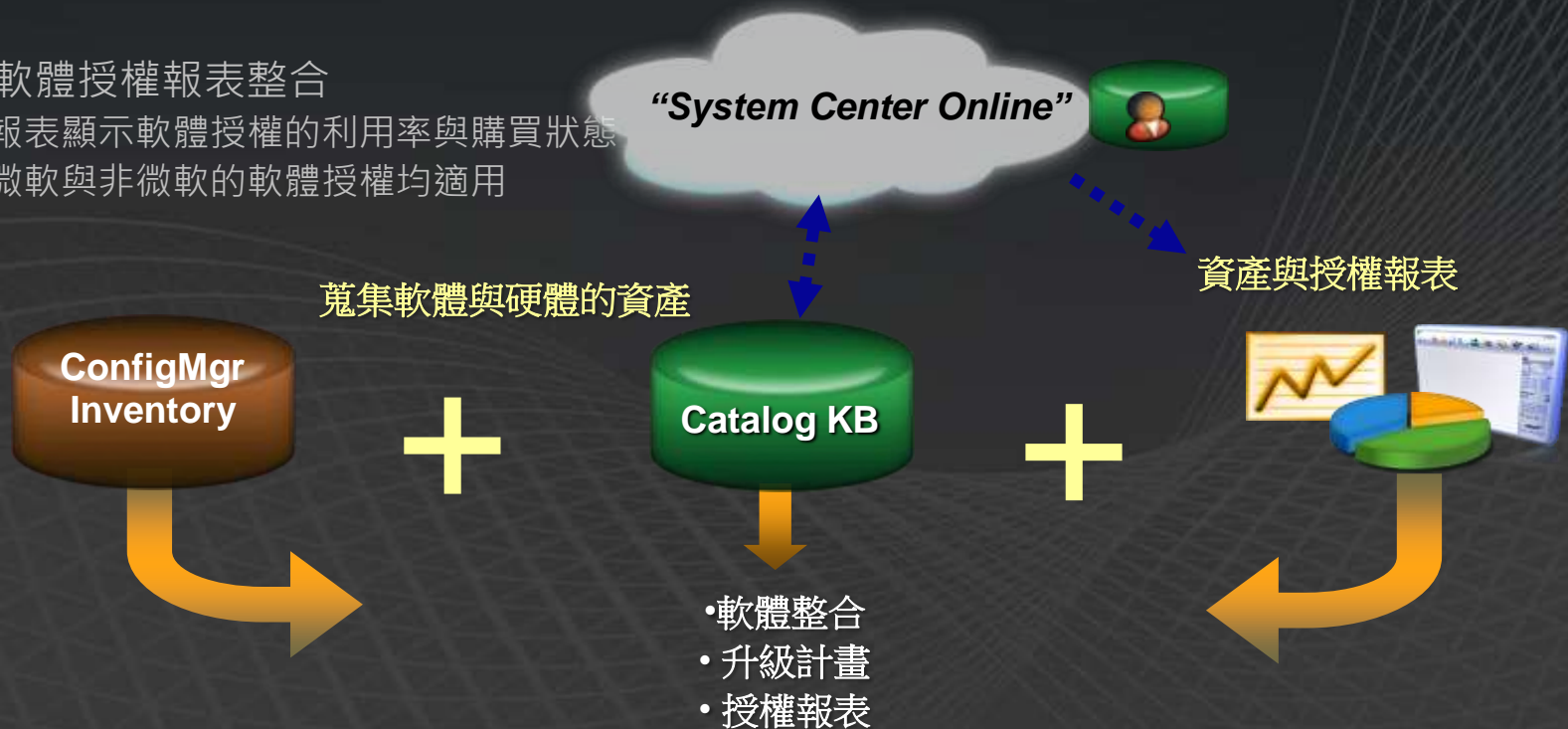
AI 1.5
System Center Online

- 免費提供給SA客戶使用
  - 透過SSL 安全，加密的傳輸連線
  - 透過 指定憑證
  - 不會額外增加維護或是訂閱的費用

- 透過選項設定啟用 Configuration Manager site role
  - 上傳及下載
  - 透過精靈簡化設定

- 匯入的軟體授權資訊不會連線到 System Center Online
  - 簡單、手動的方式匯入

- 資產和授權資料
  - 所有上傳的資訊都可以檢視
  - 產品資訊上傳前須經過管理者設定與同意

System Overview

SCCM Admin

Upload Signatures

Download Catalog Updates

System Center Online

Asset Manager

Central

Child Site 1

Child Site 2

Inventory
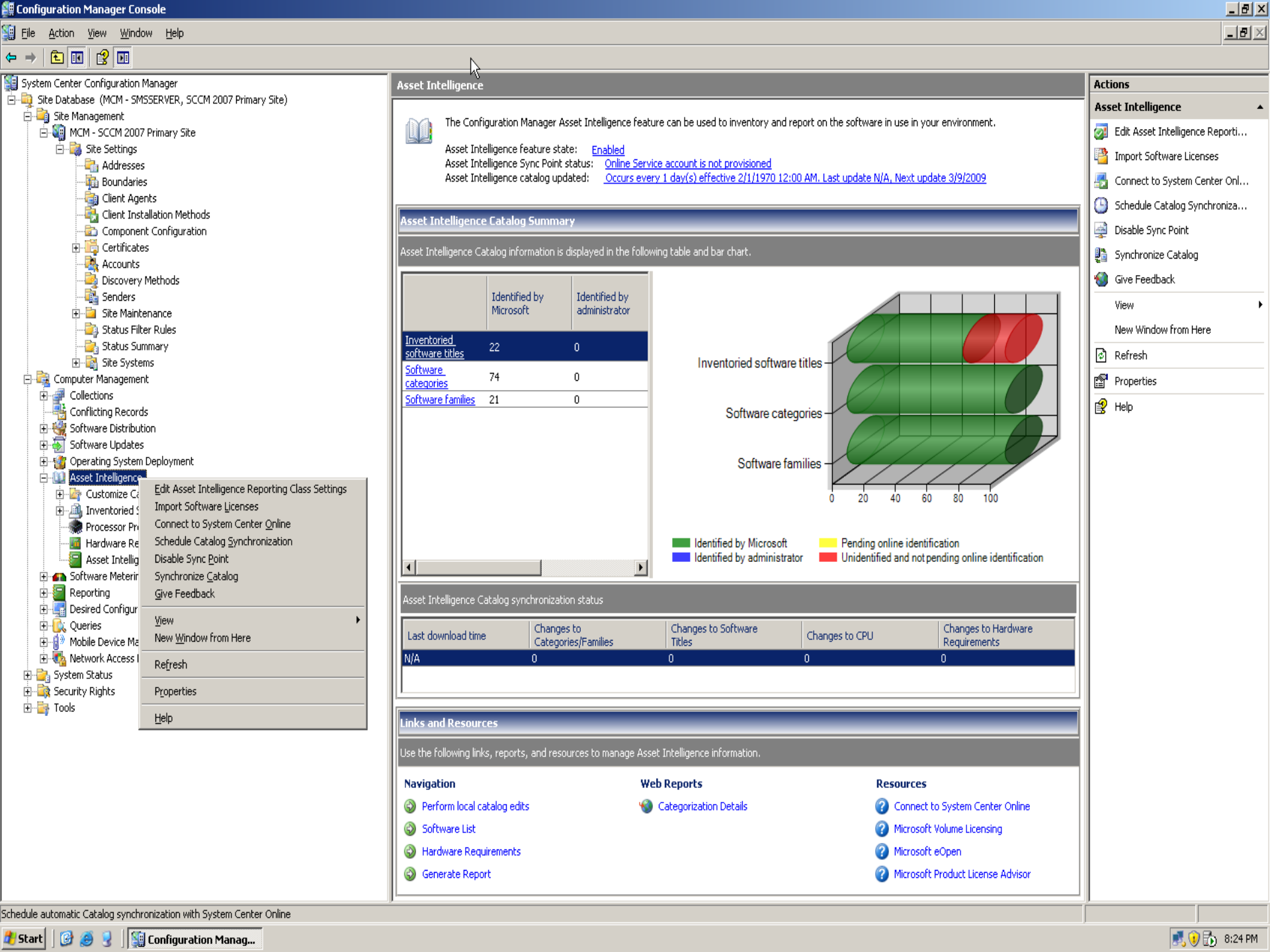
Inventory

Inventory
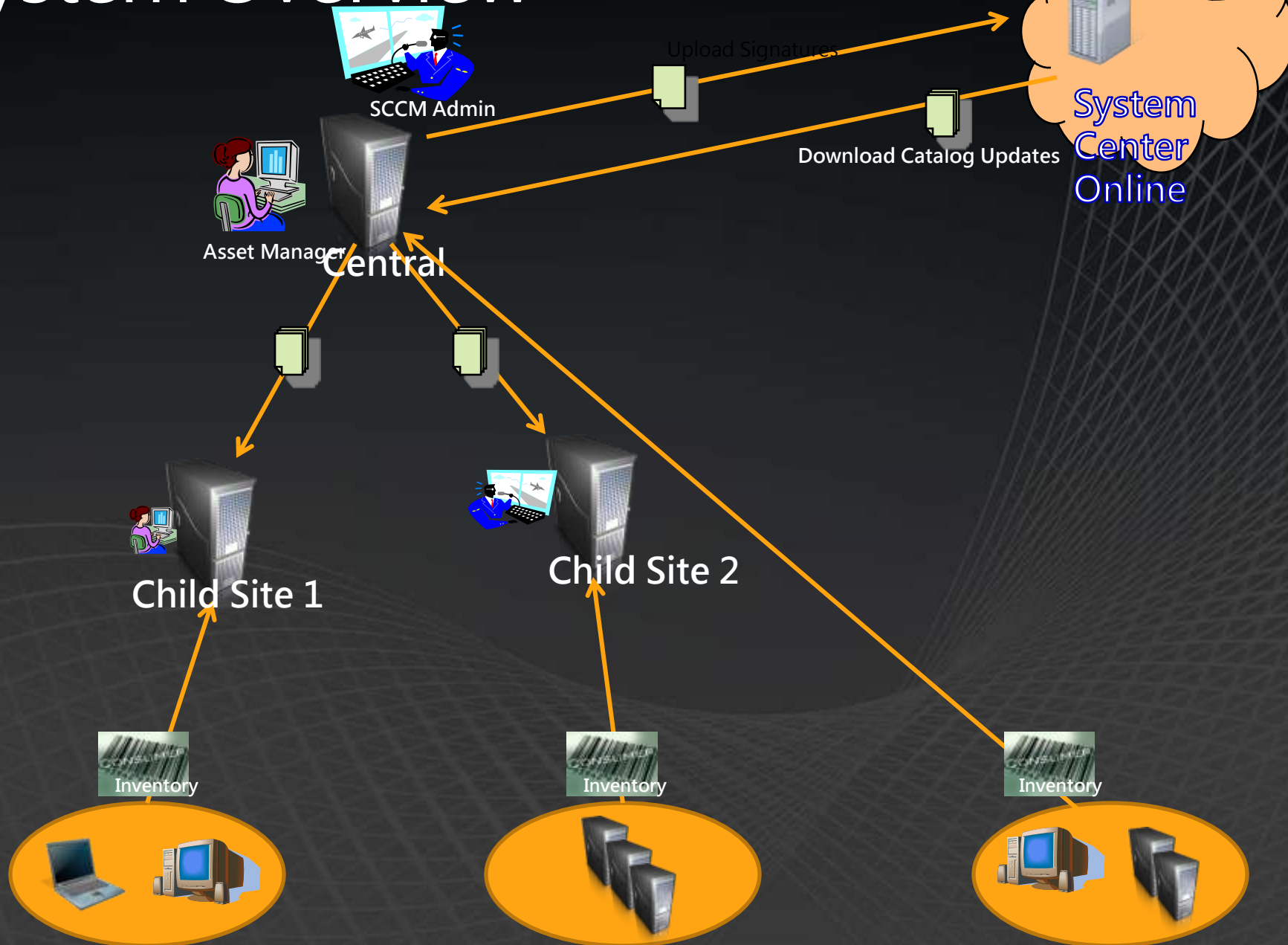
AI 1.5
主要元件

- 用戶端
  - Configuration Manager 的硬體資產回報
  - 資產回報代理程式使用AI 的 AssetAdvisor.dll
  - WMI classes

- 伺服器端
  - 資料庫記載設定、類別和資產資料
  - AI元件執行目錄同步、複製用戶端授權資訊

- 管理主控台
  - 管理 Asset Intelligence 的入口
  - 與ConfigMgr 的管理介面整合
  - MMC 慣用的版面配置

- System Center Online

AI 1.5 –介面與設定

Configuration Manager Console

File Action View Window Help

System Center Configuration Manager
- Site Database (MCM - SMSSERVER, SCCM 2007 Primary Site)
  - Site Management
    - MCM - SCCM 2007 Primary Site
      - Site Settings
        - Addresses
        - Boundaries
        - Client Agents
        - Client Installation Methods
        - Component Configuration
        - Certificates
        - Accounts
        - Discovery Methods
        - Senders
        - Site Maintenance
        - Status Filter Rules
        - Status Summary
        - Site Systems
  - Computer Management
    - Collections
    - Conflicting Records
    - Software Distribution
    - Software Updates
    - Operating System Deployment
    - Asset Intelligence
      - Customize Ca...
      - Inventoried S...
      - Processor Pr...
      - Hardware Re...
      - Asset Intellig...
    - Software Meterin...
    - Reporting
    - Desired Configur...
    - Queries
    - Mobile Device Ma...
    - Network Access I...
  - System Status
  - Security Rights
  - Tools

Right-click context menu
- Edit Asset Intelligence Reporting Class Settings
- Import Software Licenses
- Connect to System Center Online
- Schedule Catalog Synchronization
- Disable Sync Point
- Synchronize Catalog
- Give Feedback
- View
- New Window from Here
- Refresh
- Properties
- Help

Asset Intelligence

The Configuration Manager Asset Intelligence feature can be used to inventory and report on the software in use in your environment.

Asset Intelligence feature state: **Enabled**
Asset Intelligence Sync Point status: **Online Service account is not provisioned**
Asset Intelligence catalog updated: **Occurs every 1 day(s) effective 2/1/1970 12:00 AM. Last update N/A, Next update 3/9/2009**

Asset Intelligence Catalog Summary

Asset Intelligence Catalog information is displayed in the following table and bar chart.

	Identified by Microsoft	Identified by administrator
Inventoried software titles	22	0
Software categories	74	0
Software families	21	0

- ■ Identified by Microsoft
- ■ Identified by administrator
- ■ Pending online identification
- ■ Unidentified and not pending online identification

Asset Intelligence Catalog synchronization status

Last download time	Changes to Categories/Families	Changes to Software Titles	Changes to CPU	Changes to Hardware Requirements
N/A	0	0	0	0

Links and Resources

Use the following links, reports, and resources to manage Asset Intelligence information.

Navigation
- Perform local catalog edits
- Software List
- Hardware Requirements
- Generate Report

Web Reports
- Categorization Details

Resources
- Connect to System Center Online
- Microsoft Volume Licensing
- Microsoft eOpen
- Microsoft Product License Advisor

Actions

Asset Intelligence
- Edit Asset Intelligence Reporti...
- Import Software Licenses
- Connect to System Center Onl...
- Schedule Catalog Synchroniza...
- Disable Sync Point
- Synchronize Catalog
- Give Feedback
- View
- New Window from Here
- Refresh
- Properties
- Help

Schedule automatic Catalog synchronization with System Center Online

Start | Configuration Manag... | 8:24 PM

Configuration Manager Console

Hardware Requirements   84 items found

Look for: [▼]   in [All Columns   ▼]   [Find Now]   [Clear]

Software Title	Minimum CPU (...	Minimum RAM (KB)	Minimum Disk Space (KB)	Minimum Disk Size (KB)	Validat...
Adobe Acrobat 3D	500	524288	1677722	1048576	Validated
Adobe Acrobat 8 Professional	500	262144	880640	1048576	Validated
Adobe Acrobat 8 Standard	500	262144	481280	1048576	Validated
Adobe After Effects 7.0	2000	524288	512000	1048576	Validated
Adobe ColdFusion MX 7.0	500	524288	512000	1048576	Validated
Adobe Creative Suite 3 Standard	2000	1048576	4194304	1048576	Validated
Adobe Flex 2	2000	524288	307200	1048576	Validated
Adobe FrameMaker 7.2	500	262144	389120	1048576	Validated
Adobe illustrator CS2	500	262144	839680	1048576	Validated
Adobe illustrator CS3	2000	524288	2097152	1048576	Validated
Adobe InCopy CS2	500	262144	420250	1048576	Validated
Adobe InDesign CS2	500	262144	870400	1048576	Validated
Adobe Pagemaker 7.0	300	32768	179200	1048576	Validated
Adobe Photoshop CS2	2400	327680	665600	1048576	Validated
Adobe Photoshop Elements 5.0	1300	524288	4194304	1048576	Validated
Adobe Premiere Elements 3.0	1300	524288	4194304	1048576	Validated
Adobe Reader 8	500	131072	174080	262144	Validated
Adobe RoboHelp 6	300	131072	409600	1048576	Validated
Macromedia FreeHand MX 11	300	65536	71680	1048576	Validated
Macromedia Studio 8	800	262144	1887437	1048576	Validated
Microsoft Dynamics CRM 3.0 Professional Edition	1800	524288	8192000	20480000	Validated
Microsoft Dynamics CRM 3.0 Small Business Edi...	1800	524288	8192000	20480000	Validated
Microsoft Exchange Server 2003 Enterprise Edi...	133	262144	512000	10240000	Validated
Microsoft Exchange Server 2003 Standard Edi...	133	262144	512000	10240000	Validated
Microsoft Exchange Server 2007	2400	2048000	1228800	40960000	Validated
Microsoft Expression Blend	1000	524288	358400	10240000	Validated
Microsoft Expression Design	1000	524288	153600	10240000	Validated
Microsoft Expression Media	1000	524288	102400	10240000	Validated
Microsoft Expression Studio	1000	1024000	1536000	10240000	Validated
Microsoft Expression Web	700	524288	1536000	10240000	Validated
Microsoft MapPoint 2006 Standard Edition	500	65536	512000	1024000	Validated
Microsoft Office Access 2007	500	262144	1536000	20480000	Validated
Microsoft Office Accounting 2007	1000	524288	2048000	20480000	Validated
Microsoft Office Basic 2007	500	262144	1536000	20480000	Validated
Microsoft Office Enterprise 2007	500	262144	2048000	20480000	Validated
Microsoft Office Excel 2007	500	262144	1536000	20480000	Validated
Microsoft Office Groove 2007	500	262144	1024000	20480000	Validated
Microsoft Office Home and Student 2007	500	262144	1536000	20480000	Validated
Microsoft Office InfoPath 2003	233	131072	102400	10240000	Validated
Microsoft Office Infopath 2007	500	262144	1536000	20480000	Validated
Microsoft Office Multi-Language Pack 2007	500	262144	2048000	20480000	Validated
Microsoft Office OneNote 2007	500	262144	1024000	20480000	Validated
Microsoft Office Outlook 2007	500	262144	1536000	20480000	Validated
Microsoft Office PowerPoint	500	262144	1024000	20480000	Validated
Microsoft Office Professional 2007	500	262144	2048000	20480000	Validated
Microsoft Office Professional Edition 2003	233	131072	409600	10240000	Validated
Microsoft Office Professional Plus 2007	500	262144	2048000	20480000	Validated
Microsoft Office Project Professional 2003	233	131072	133120	10240000	Validated
Microsoft Office Project Standard 2003	233	131072	133120	10240000	Validated
Microsoft Office Publisher 2007	500	262144	1536000	20480000	Validated

Navigation Tree

- System Center Configuration Manager
  - Site Database (MCM - SMSSERVER, SCCM 2007 Primary Site)
    - Site Management
      - MCM - SCCM 2007 Primary Site
        - Site Settings
          - Addresses
          - Boundaries
          - Client Agents
          - Client Installation Methods
          - Component Configuration
          - Certificates
          - Accounts
          - Discovery Methods
          - Senders
          - Site Maintenance
          - Status Filter Rules
          - Status Summary
          - Site Systems
    - Computer Management
      - Collections
      - Conflicting Records
      - Software Distribution
      - Software Updates
      - Operating System Deployment
      - Asset Intelligence
        - Customize Catalog
        - Inventoried Software Titles
        - Processor Properties
        - Hardware Requirements
        - Asset Intelligence Reports
      - Software Metering
      - Reporting
      - Desired Configuration Management
      - Queries
      - Mobile Device Management
      - Network Access Protection
    - System Status
    - Security Rights
    - Tools

Actions

Hardware Requirements
- New Hardware Requirements
- Give Feedback
- View
- New Window from Here
- Refresh
- Properties
- Help

Adobe After Effects 7.0
- Refresh
- Properties
- Help

Description
Adobe After Effects 7.0

File Edit View Favorites Tools Help

Back | | Search | Favorites | | | | | |

Address http://sccm-root/SMSReporting%5FMGT/Report.asp?ReportID=389&CollectionID=SMS00001 Go Links

Copy || Export || Print || Add to Favorites || E-mail

Report Name: Hardware 01A - Summary of computers in a specific collection
Category: Asset Intelligence
Comment: This reports provides an asset manager   summary view of a collection of computers
Parameters: Collection | SMS00001

2008/8/13 下午 07:12:45   (Number of Records: 8)

	Resource ID	Computer Name	Domain/Workgroup	SMS Site Name	Top Console User	Operating System	Service Pack Level	Serial Number	Asset Tag	Manufacturer	Model	Memory (KBytes)	Processor (GHz)	Disk Space (MB)	Free Disk Space (MB)
	10	CLIENT-CHILD	CHILD	USA001	Unknown	Microsoft(R) Windows (R) Server 2003, Enterprise Edition	Service Pack 1	2222-2234-6233-8095-2163-4353-83	2222-2234-6233-8095-2163-4353-83	Microsoft Corporation	Virtual Machine	261608	3000	16370	12859
	9	CLIENT-ROOT	CONTOSO	tpe	contoso\administrator	Microsoft(R) Windows (R) Server 2003, Enterprise Edition	Service Pack 1	0965-7235-9903-5319-4565-2952-74	0965-7235-9903-5319-4565-2952-74	Microsoft Corporation	Virtual Machine	523752	3000	16370	8076
	5	DPMHOL-DC	CONTOSO	tpe	contoso\adrepl	Microsoft(R) Windows (R) Server 2003, Enterprise Edition	Service Pack 1	1205-6427-2587-5214-0192-7984-92	1205-6427-2587-5214-0192-7984-92	Microsoft Corporation	Virtual Machine	523752	3000	16370	11043
	6	DPMHOL-DPM	CONTOSO	tpe	Unknown	Microsoft(R) Windows (R) Server 2003, Enterprise Edition	Service Pack 2	6490-1431-8869-2952-4792-3417-73	6490-1431-8869-2952-4792-3417-73	Microsoft Corporation	Virtual Machine	1048040	3000	16370	5022
	8	GWS	CONTOSO	tpe	contoso\administrator	Microsoft(R) Windows (R) Server 2003, Enterprise Edition	Service Pack 2	5610-4187-4424-9879-3227-7395-56	5610-4187-4424-9879-3227-7395-56	Microsoft Corporation	Virtual Machine	2096616	3000	146411	121934
	3	SCCM-CHILD	CHILD	USA001	Unknown	Microsoft(R) Windows (R) Server 2003, Enterprise Edition	Service Pack 1	6072-8486-7858-7277-3960-5782-70	6072-8486-7858-7277-3960-5782-70	Microsoft Corporation	Virtual Machine	523752	3000	146411	130998
	17	W2K3SRVCHT	CONTOSO	tpe	w2k3srvcht\administrator	Microsoft(R) Windows (R) Server 2003, Enterprise Editi...	Service Pack 1	0934-1511-9035-...	0934-1511-9035-3801-...	Microsoft Corporation	Virtual Machine	523752	3000	16370	12384

Done   Trusted sites

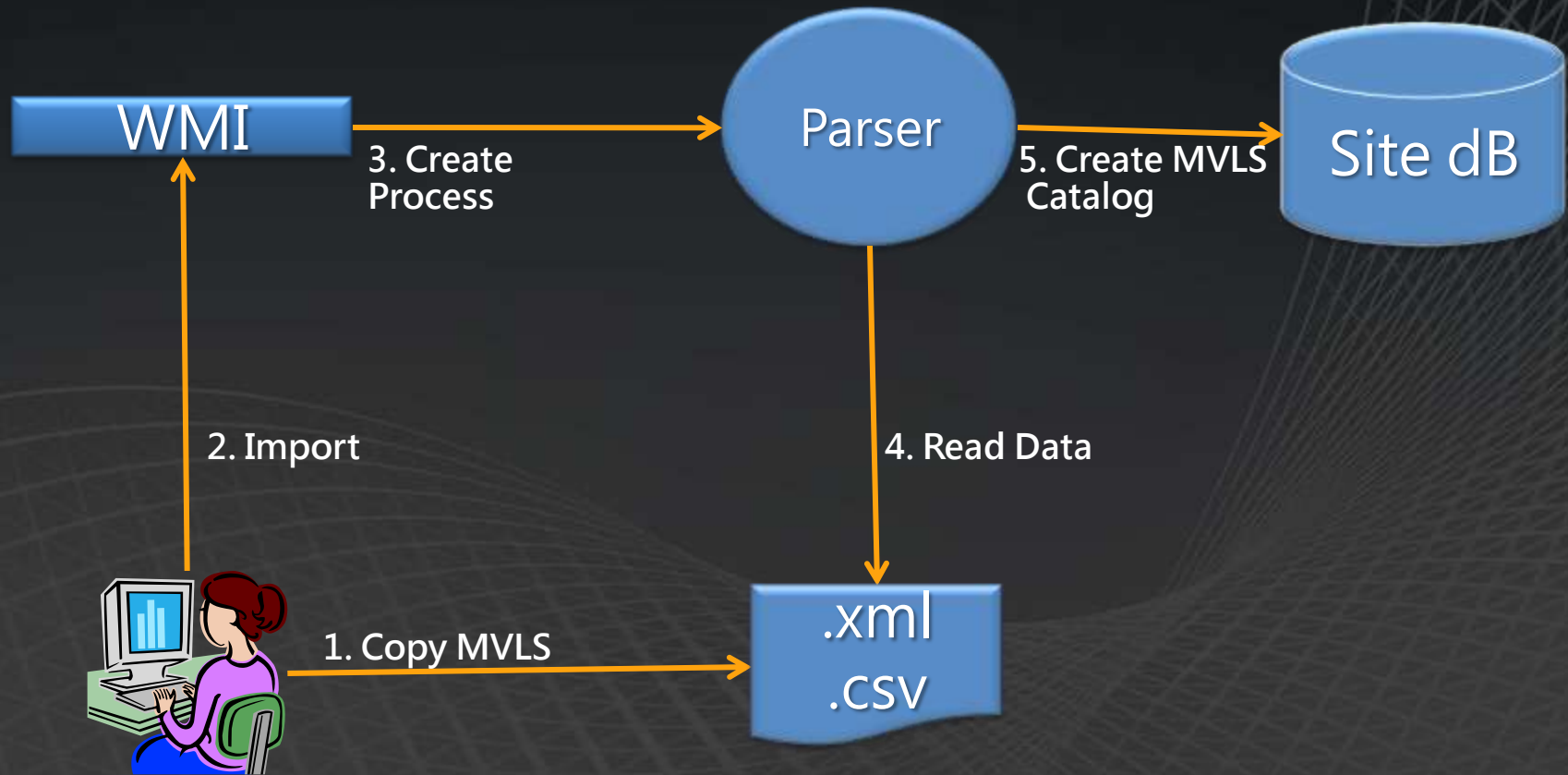Start | Computer Management | Configuration Manager C... | View ConfigMgr Reports ... | ConfigMgr Report - Micro...   EN 下午 07:13

File   Edit   View   Favorites   Tools   Help

Back | Search | Favorites

Address http://sccm-root/SMSReporting%5FMGT/Report.asp?ReportID=396&CollectionID=SMS00001&Product=Windows%20Server%202003%20R2   Go   Links »

Copy || Export || Print || Add to Favorites || E-mail

Report Name: Hardware 08A - Hardware that is not ready for a software upgrade
Category: Asset Intelligence
Comment: This report shows hardware that does not meet the minimum hardware requirements

Parameters:		
Collection	SMS00001
Product	Windows Server 2003 R2

2008/8/13 下午 08:29:23 (Number of Records: 1)

		Product	CPU Max Clock Speed (Mhz)	Total Physical Memory (MB)	Free Disk Space (MB)	Total Disk Space (MB)
	Product Minimum Requirements	Windows Server 2003 R2	550	1128	1280	10240

2008/8/13 下午 08:29:23 (Number of Records: 7)

	Computer Name	SMS Site Name	Top Console User	Serial Number	Asset Tag	Manufacturer	Model	CPU Requirement	CPU Max Clock Speed (Mhz)	Memory Requirement	Total Physical Memory (MB)	Free Disk Requirement	Free Disk Space (MB)	Total Disk Requirement	Total Disk Space (MB)
	CLIENT-CHILD	USA001		2222-2234-6233-8095-2163-4353-83	2222-2234-6233-8095-2163-4353-83	Microsoft Corporation	Virtual Machine	+	2976	-	255	+	12859	+	16370
	CLIENT-ROOT	tpe	contoso\administrator	0965-7235-9903-5319-4565-2952-74	0965-7235-9903-5319-4565-2952-74	Microsoft Corporation	Virtual Machine	+	3004	-	511	+	8076	+	16370
	DPMHOL-DC	tpe	contoso\adrepl	1205-6427-2587-5214-0192-7984-92	1205-6427-2587-5214-0192-7984-92	Microsoft Corporation	Virtual Machine	+	3031	-	511	+	11043	+	16370
	DPMHOL-DPM	tpe		6490-1431-8869-2952-4792-3417-73	6490-1431-8869-2952-4792-3417-73	Microsoft Corporation	Virtual Machine	+	3019	-	1023	+	5022	+	16370
	SCCM-CHILD	USA001		6072-8486-7858-7277-3960-5782-70	6072-8486-7858-7277-3960-5782-70	Microsoft Corporation	Virtual Machine	+	3000	-	511	+	2552	+	16370
	W2K3SRVCHT	tpe	w2k3srvcht\administrator	0934-1511-9035-3801-4929-2200-34	0934-1511-9035-3801-4929-2200-34	Microsoft Corporation	Virtual Machine	+	3017	-	511	+	12384	+	16370
	XP	tpe	contoso\administrator	7220-1642-8087-8825-5339-1014-54	7220-1642-8087-8825-5339-1014-54	Microsoft Corporation	Virtual Machine	+	2995	-	255	+	63895	+	65522

Done   Trusted sites

Start | Computer Management | Configuration Manager C... | View ConfigMgr Reports ... | ConfigMgr Report - Micro... | ConfigMgr Report - Micro... | EN   下午 08:29

遵守授權

- 追蹤使用者及裝置的用戶端授權使用狀況
- 以Windows 安全稽核記錄為基礎
- 伺服器有執行以下服務
  Windows Server, Exchange, SQL
- 以SCCM的用戶端與伺服器的資產管理作業
- 從用戶端授權與授權目錄取得資產報表
- 支援微軟大量授權的資產遵循
- 支援其他非微軟的軟體
- 其他
  - 提供視覺的報表，協助遵守軟體授權

匯入授權

Computer Details

Copy || Export || Print || E-mail

電腦名稱 | 程式名稱 | 檔案名稱 | 版本 | 最後使用時間

Computer Name (Reduce Values set with wildcard He%lo W_rld%)

SMSCLIENT

Values...

(Number of Records: 42)

Reports
  Asset Intelligence
    Hardware 05A - Console users on a specific computer
    Hardware 07D - USB devices on a specific computer
    License 01D - Microsoft license ledger products on a specific computer
    License 02C - License information on a specific computer
    Software 02E - Installed software on a specific computer
    Software 04C - Auto-Start Software on a specific computer
    Software 05C - Browser

	Computer Name	Application	File Description	File Name	File Version	Publisher	Associated with an Installer	Time Last Used (GMT)	Last
	SMSCLIENT			uninstall.exe			N	11/4/2007 7:46:00 AM	SMSDOMA
	SMSCLIENT			wrar360tc.exe			N	11/4/2007 7:46:00 AM	SMSDOMA
	SMSCLIENT			SaveAsPDFandXPS.exe	12.0.4518.1014	Microsoft Corporation	N	11/4/2007 11:38:00 AM	SMSDOMA
	SMSCLIENT	Microsoft BackInfo	BackInfo	BackInfo.exe	1, 13, 0, 0	Microsoft	N	11/6/2007 11:02:00 PM	SMSDOMA
	SMSCLIENT	Microsoft BackInfo	BackInfo	BackInfo.exe	1, 13, 0, 0	Microsoft	N	9/17/2007 3:59:00 PM	SMSDOMA
	SMSCLIENT	Microsoft® Windows® Operating System	CTF Loader	ctfmon.exe	5.1.2600.2180 (xpsp_sp2_rtm.040803-2158)	Microsoft Corporation	N	11/7/2007 5:59:00 PM	SMSDOMA
	SMSCLIENT	Microsoft® Windows® Operating System	FIXMAPI 1.0 MAPI Repair Tool	fixmapi.exe	5.1.2600.0 (XPClient.010817-1148)	Microsoft Corporation	N	11/4/2007 7:30:00 AM	SMSDOMA
	SMSCLIENT	Groove Migrator Utility	Groove Migrator Utility	GrooveMigrator.exe	12.0.4518.1014	Microsoft Corporation	N	11/7/2007 12:34:00 AM	SMSDOMA
	SMSCLIENT	GrooveMonitor Utility	GrooveMonitor Utility	GrooveMonitor.exe	12.0.4518.1014	Microsoft Corporation	N	11/7/2007 5:59:00 PM	SMSDOMA
	SMSCLIENT	Microsoft® Windows® Operating System	Internet Explorer	IEXPLORE.exe	6.00.2900.2180 (xpsp_sp2_rtm.040803-2158)	Microsoft Corporation	N	11/4/2007 7:32:00 AM	SMSDOMA
	SMSCLIENT	Microsoft® Windows® Operating System	Microsoft Management Console	mmc.exe	5.1.2600.2180 (xpsp_sp2_rtm.040803-2158)	Microsoft Corporation	N	11/7/2007 5:59:00 PM	SMSDOMA
	SMSCLIENT	2007 Microsoft Office system	Microsoft Office Access	MSACCESS.EXE	12.0.4518.1014	Microsoft Corporation	N	11/7/2007 1:08:00 AM	SMSDOMA
	SMSCLIENT	Microsoft Office Enterprise 2007	Microsoft Office Groove	GROOVE.EXE	12.0.4518.1014	Microsoft Corporation	Y	11/7/2007 5:59:00 PM	SMSDOMA
	SMSCLIENT	Microsoft Office Hotfix Installer	Microsoft Office Hotfix Installer	OHotfix.exe	10.0.4604.0	Microsoft Corporation	N	11/4/2007 7:38:00 AM	SMSDOMA
	SMSCLIENT	Microsoft Office Enterprise 2007	Microsoft Office InfoPath 2007	INFOPATH.EXE	12.0.4518.1014	Microsoft Corporation	Y	11/7/2007 1:09:00 AM	SMSDOMA
	SMSCLIENT	Microsoft Office Enterprise 2007	Microsoft Office OneNote	ONENOTE.EXE	12.0.4518.1014	Microsoft Corporation	Y	11/7/2007 1:06:00 AM	SMSDOMA
	SMSCLIENT	Microsoft Office Enterprise 2007	Microsoft Office OneNote Quick Launcher	ONENOTEM.EXE	12.0.4518.1014	Microsoft Corporation	Y	11/7/2007 5:59:00 PM	SMSDOMA
	SMSCLIENT	Microsoft Office Outlook	Microsoft Office Outlook	OUTLOOK.EXE	12.0.6014.5000	Microsoft Corporation	N	11/7/2007 1:08:00 AM	SMSDOMA
	SMSCLIENT	Microsoft Office Enterprise 2007	Microsoft Office PowerPoint	POWERPNT.EXE	12.0.4518.1014	Microsoft Corporation	Y	11/7/2007 1:08:00 AM	SMSDOMA
	SMSCLIENT	Microsoft Office Enterprise 2007	Microsoft Office Publisher	MSPUB.EXE	12.0.4518.1014	Microsoft Corporation	Y	11/7/2007 1:08:00 AM	SMSDOMA
	SMSCLIENT	Microsoft Office XP	Microsoft Office Setup Bootstrapper	SETUP.EXE	10.0.2627	Microsoft Corporation	N	11/4/2007 7:46:00 AM	SMSDOMA
	SMSCLIENT	Microsoft Office Enterprise 2007	Microsoft Office Word	WINWORD.EXE	12.0.4518.1014	Microsoft Corporation	Y	11/7/2007 1:06:00 AM	SMSDOMA
	SMSCLIENT	Microsoft Office XP Professional with FrontPage	Microsoft Office XP component	OSA.EXE	10.0.2609	Microsoft Corporation	Y	11/6/2007 11:02:00 PM	SMSDOMA
	SMSCLIENT	Microsoft Setup Bootstrapper	Microsoft Setup Bootstrapper	setup.exe	12.0.4518.1014	Microsoft Corporation	N	11/4/2007 7:35:00 PM	SMSDOMA
	SMSCLIENT	Microsoft Systems Management Server Installer	Microsoft Systems Management Server Installer	back-hol.exe	2.0.000.1	Microsoft Corporation	N	9/17/2007 3:59:00 PM	SMSDOMA
	SMSCLIENT	Microsoft® Windows® Operating System	Microsoft(C) Register Server	regsvr32.exe	5.1.2600.2180 (xpsp_sp2_rtm.040803-2158)	Microsoft Corporation	N	11/4/2007 11:37:00 AM	SMSDOMA
	SMSCLIENT	Microsoft® Windows® Operating System	Microsoft® Group Policy Refresh Utility	gpupdate.exe	5.1.2600.0 (xpclient.010817-1148)	Microsoft Corporation	N	11/7/2007 12:16:00 AM	SMSDOMA
	SMSCLIENT	Microsoft® Windows® Operating System	Notepad	NOTEPAD.EXE	5.1.2600.2180 (xpsp_sp2_rtm.040803-2158)	Microsoft Corporation	N	9/17/2007 4:21:00 PM	SMSDOMA
	SMSCLIENT	Office Source Engine	Office Source Engine	ose.exe	12.0.4518.1014	Microsoft Corporation	N	11/4/2007 10:56:00 AM	SMSDOMA
	SMSCLIENT	Office Source Engine	Office Source Engine	ose00000.exe	12.0.4518.1014	Microsoft Corporation	N	11/4/2007 12:33:00 PM	SMSDOMA
	SMSCLIENT	System Center Configuration Manager	RCServer.exe	RCServer.exe	4.00.5931.0000 (SCCM.070816-2325)	Microsoft Corporation	N	11/6/2007 11:01:00 PM	SMSDOMA
	SMSCLIENT	Microsoft® Windows® Operating System	RDP Clip Monitor	rdpclip.exe	5.1.2600.2180 (xpsp_sp2_rtm.040803-2158)	Microsoft Corporation	N	11/6/2007 11:02:00 PM	SMSDOMA

Open the target

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Address　http://sccm-root/SMSReporting%5FMGT/Report.asp?ReportID=391&SystemConsoleUser=contoso%5Cadministrator　| Go　Links

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Report Name: **Hardware 03B - Computers for a specific primary console user**
Category: **Asset Intelligence**
Comment: List all computers for which a supplied user is the primary console user
Parameters: | System Console User | contoso\administrator |
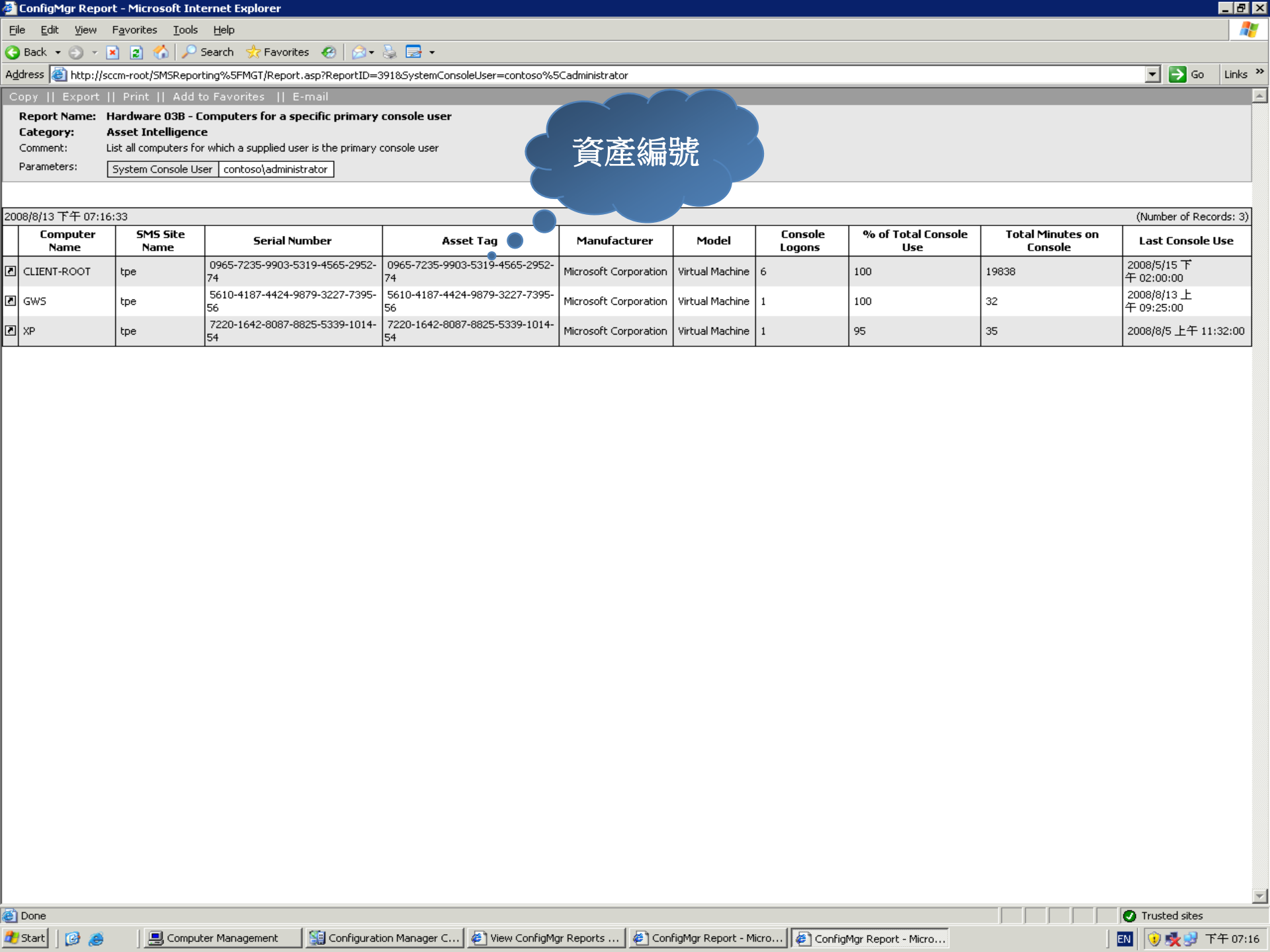
資產編號

2008/8/13 下午 07:16:33　(Number of Records: 3)

Computer Name	SMS Site Name	Serial Number	Asset Tag	Manufacturer	Model	Console Logons	% of Total Console Use	Total Minutes on Console	Last Console Use
CLIENT-ROOT	tpe	0965-7235-9903-5319-4565-2952-74	0965-7235-9903-5319-4565-2952-74	Microsoft Corporation	Virtual Machine	6	100	19838	2008/5/15 下午 02:00:00
GWS	tpe	5610-4187-4424-9879-3227-7395-56	5610-4187-4424-9879-3227-7395-56	Microsoft Corporation	Virtual Machine	1	100	32	2008/8/13 上午 09:25:00
XP	tpe	7220-1642-8087-8825-5339-1014-54	7220-1642-8087-8825-5339-1014-54	Microsoft Corporation	Virtual Machine	1	95	35	2008/8/5 上午 11:32:00

Done　Trusted sites

Start | Computer Management | Configuration Manager C... | View ConfigMgr Reports ... | ConfigMgr Report - Micro... | ConfigMgr Report - Micro... | EN | 下午 07:16

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Address http://smsserver/SMSReporting%5FMCM/Report.asp?ReportID=384&CollectionID=SMS00001   Go   Links »

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Report Name: License 06A - Processor counts for per-processor licensed products

Category: Asset Intelligence

Comment: This report provides the number of processors on computers using Microsoft products that support per-processor licensing. Accuracy of install quantities and license information may vary given complex dependencies and limitations. Do not rely solely on these reports for determining your license compliance. See help for additional information.

Parameters: Collection   SMS00001

3/8/2009 7:48:52 PM (Number of Records: 1)

Product Name	1 Processor Servers	2 Processor Servers	4 Processor Servers	8 Processor Servers	16 Processors Server	Total Processors	Collection
Microsoft SQL Server 2005	1	0	0	0	0	1	SMS00001

3/8/2009 7:48:52 PM (Number of Records: 1)

Additional Information:

http://go.microsoft.com/fwlink/?LinkId=113754

授權種類

Trusted sites

Start | Configuration Manager C... | View ConfigMgr Reports ... | ConfigMgr Report - Mi... | 7:49 PM

軟體安裝來源

File Edit View Favorites Tools Help

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Address | http://sccm-root/SMSReporting%5FMGT/Report.asp?ReportID=420&CollectionID=SMS00001&NumberOfRows=100&Publisher= | Go Links

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Report Name: Software 01A - Summary of installed software in a specific collection
Category: Asset Intelligence
Comment: This report provides a summary of installed software ordered by the number of instances found from inventory.

Parameters:	Collection	SMS00001
	Specify the number of rows to return	100
	Publisher (Optional)	

2008/8/13 下午 08:53:44 (Number of Records: 78)

	Product Name	Publisher	Version	Family Name	Category Name	Instance Count	Software ID
	MSXML 6.0 Parser	Microsoft	6.10.1129.0	Application Development	Development Tools	6	9555F4D0-8156-4272-8761-640518238725
	Microsoft Windows Imaging Application Platform Interface 1.0						3912B--4550--8BD7AB99
	RDC						3F464--48C7--91A8177D
	Virtual Machine Additions						248B0--419C--BC9EDB71
	Microsoft .NET Framework 2.0						51655-1372-
	Microsoft(R) Windows(R) Server 2003, Enterprise E						F28009
	Configuration Manager Client						85--422E-
	Adobe Reader 8 - Chinese Traditional						B0AE1AFF
	Microsoft SQL Server 2005 Setup Support Files						769BB--4E28-
	Microsoft SQL Server Native Client						ED37BA38
	Microsoft SQL Server VSS Writer						E6AEF7BA

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Report Name: Software 02D - Computers with a specific software product
Category: Asset Intelligence
Comment: This is extended from the previous report. This report shows all the computers that have a specific software product

Parameters:	Collection	SMS00001
	Software ID	B7E769BB-BB2F-4E28-B396-BE4FED37BA38
	Software Properties Hash (Optional):	c0af68bcca818c563f8243eeae896083

軟體名稱

數量

	...me	Computer Manufacturer	Computer Model	Product Name		...ID
	CLIENT-ROOT	Microsoft Corporation	Virtual Machine	Adobe Reader 8 - Chinese Traditional	none	
	DPMHOL-DC	Microsoft Corporation	Virtual Machine	Adobe Reader 8 - Chinese Traditional	none	
	DPMHOL-DPM	Microsoft Corporation	Virtual Machine	Adobe Reader 8 - Chinese Traditional	none	
	GWS	Microsoft Corporation	Virtual Machine	Adobe Reader 8 - Chinese Traditional	none	

Start | Computer Management | Configuration Manager C... | View ConfigMgr Reports ... | ConfigMgr Report - Micro... | ConfigMgr Report - Micro... | EN | 下午 08:55

File　Edit　View　Favorites　Tools　Help

Address　http://sccm-root/SMSReporting%5FMGT/Report.asp?ReportID=361&ProductCodeOnly=Y&CollectionID=SMS00001　Go　Links

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Report Name: Software 08A - Recently used executables by number of users
Category: Asset Intelligence
Comment: This report displays executables that have been used recently with a count of users that have most recently used them. The Software Metering client must be enabled for this site to view this report.

Parameters:

Only display items associated with an installer (Y/N)	Y
Collection	SMS00001

2008/8/13 下午 09:44:52　(Number of Records: 16)

Application	File Description	File Name	Associated with an Installer	Number of Users	Collection ID
Virtual Machine Additions	Virtual Machine User Services	VMUSrvc.exe	Y	10	SMS00001
Adobe Reader 8 - Chinese Traditional		AdobeCollabSync.exe	Y	5	SMS00001
Adobe Reader 8 - Chinese Traditional	Adobe Acrobat SpeedLauncher	reader_sl.exe	Y	5	SMS00001
Configuration Manager Client	SMS Remote Client UI Local Server	SMSCliUI.exe	Y	5	SMS00001
Microsoft .NET Framework 2.0	Microsoft Common Language Runtime native compiler	ngen.exe	Y	4	SMS00001
Microsoft .NET Framework 2.0	Visual C# Command Line Compiler	csc.exe	Y	4	SMS00001
Microsoft .NET Framework 2.0	MicrosoftR Resource File To COFF Object Conversion Utility	cvtres.exe	Y	3	SMS00001
Microsoft .NET Framework 2.0	Microsoft .NET Services Installation Utility	RegSvcs.exe	Y	3	SMS00001
Microsoft SQL Server 2005 Express Edition	SQL Server Windows NT	sqlservr.exe	Y	2	SMS00001
Microsoft SQL Server Setup Support Files (English)	SQL Server Setup	setup.exe	Y	2	SMS00001
Microsoft Visual Studio 2005 Premier Partner Edition - ENU	Microsoft Application Error Reporting	DW20.EXE	Y	1	SMS00001
Microsoft Visual Studio 2005 Premier Partner Edition - ENU	Microsoft Visual Studio 2005	devenv.exe	Y	1	SMS00001
Adobe Reader 8 - Chinese Traditional	Adobe Reader 8.0	AcroRd32Info.exe	Y	1	SMS00001
Microsoft .NET Framework 2.0	Visual Basic Command Line Compiler	vbc.exe	Y	1	SMS00001
Microsoft Application Error Reporting	Watson Subscriber for SENS Network Notifications	DWTRIG20.EXE	Y	1	SMS00001
Microsoft DPM System Recovery Tool	RMTask	RMTask.exe	Y	1	SMS00001

Trusted sites

Start | Computer Manage... | Configuration Mana... | View ConfigMgr Re... | ConfigMgr Report - ... | ConfigMgr Report - ... | ConfigMgr Report - ... | ConfigMgr Report - ... | EN | 下午 09:44

File   Edit   View   Favorites   Tools   Help

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Address   http://smsserver/SMSReporting%5FMCM/Report.asp?ReportID=359&ComputerName=SMSSERVER&ClassName=all&Inserts=Y&Deletes=Y&Updates=N&StartDate=20090101&EndDate=20090208 | Go   Links »

Copy || Export || Print || Add to Favorites || E-mail

Report Name: Hardware 10B - Changes on a specified computer within a time range

Category: Asset Intelligence

Comment: Displays the classes that have changed on a specified computer within a specified time range. (Change Type: A=All, I=Insert, U=Update, D=Delete)

Parameters:	
Computer Name	SMSSERVER
Name of the changed class (ALL = All classes)	all
Track items that have been inserted into the database (Y/N)	Y
Track items that have been deleted from the database (Y/N)	Y
Track items that have been updated in the database (Y/N)	N
Start date of change window (yyyymmdd)	20090101
End date of the change window (yyyymmdd)	20090208

3/8/2009 7:39:02 PM   (Number of Records: 3)

	Start Date	End Date	Computer Name	Class Changed	Change Type	Latest Change	Number of Changes
	20090101	20090208	SMSSERVER	Installed Software	D	1/27/2009 10:27:25 AM	1
	20090101	20090208	SMSSERVER	Installed Software MS	D	1/27/2009 10:27:25 AM	1
	20090101	20090208	SMSSERVER	Services	D	1/26/2009 11:24:51 PM	1

Trusted sites

Start | Configuration Manager C... | View ConfigMgr Reports ... | ConfigMgr Report - Mi... | 7:39 PM

設定軟體的最小硬體需求

SCCM R2新功能

ConfigMgr 2007 R2的新功能

- 虛擬化應用程式管理
- 用戶端狀態報表
- 新的作業系統佈署支援功能 (including multicast support on WDS)
- 整合 SQL Reporting Service
- 整合 Forefront Client security

SCCM 2007 R2 虛擬化應用程式管理

- System Center Configuration Manager 2007 R2 整合 Application Virtualization 4.5 管理功能
- 新的 Configuration Manager 2007 R2
  - 虛擬化應用程式管理功能
  - 透過 Configuration Manager 2007 佈署與管理虛擬化應用程式
  - 管理虛擬化應用程式跟實體應用程式一樣簡單
- SoftGrid virtualization 的管理
  - 版本檢查、使用者和傳送狀態

應用情境

包裝與派送虛擬化應用程式	建立虛擬化應用程式封裝，並複製到SCCM 的 distribution points
佈署虛擬化應用 程式到用戶端電腦	通知用戶端電腦下載軟體封裝
啟動和執行虛擬化應用程式	用戶端電腦收到通知並佈署完成，使用者即可在本機執行虛擬化應用程式
虛擬化應用程式資產與報表	系統管理者可以透過Configuration Manager i 回報虛擬應用程式的資產報表及使用狀況

主要功能

- 透過HTTP + Streaming 傳遞到 Configuration Manager distribution points
- 本機傳遞透過傳統的 Configuration Manager 的方式下載與執行
- 佈署方式
 - 軟體公告透過Configuration Manager 的 collections
  - 可以透過電腦或使用者的 collections
- 移除使用者電腦的程式
- 虛擬化應用程式的資產報表與 AI1.5整合

用戶端執行虛擬化應用程式
支援使用者漫遊

Streaming-
Enabled DP

User launches
and application

Management
Point

Application Shortcut

Adv Client hands
off to App Virt
client for vapp
streaming

Shortcut
calls SCCM
launcher

launcher talks to the
Advanced Client

Advanced Client
talks to MP and
performs a
location request

App Virt 4.5
Client

Launcher
(SCCM)

SCCM Advanced
Client

Once the DP location is established, the Advanced Client
sets the source URL for the package via SFTMIME

強化作業系統佈署

- 空機佈署
  - 透過匯入的方式取得電腦資訊
  - 支援媒體開機與網路開機 (boot media and PXE boot)

  - 支援兩種電腦型態
    - x86 Unknown Computer
    - x64 Unknown Computer

強化作業系統佈署
The Task Sequencer

- 作業系統佈署的核心機制
- Delivered to clients as policy via MP
- 依照安裝順序執行
  - 安裝作業系統的先後順序
- 完全自動化的作業系統佈署流程
  - 內建針對不同版本需要的工作
  - 可客製化的工作命令，支援 command line
    Vbscript, Batch etc.
- Task Sequence 可以作:
  - 佈署相關性應用程式
  - 需要系統管理者介入的複雜動作

強化作業系統佈署
控制 Task Sequence Steps

Condition
選項符合即開始執行，
若不符合就跳過

Action
提供命令執行，比如
執行命令列或是安裝
軟體…等等

Continue-on-Error flag
管理命令執行完成後
的錯誤回報

強化作業系統佈署

- 在Line task sequence 的命令列中指定帳號認證
  - 提供 "Run As" 命令

  - 譬如SQL Server，須指定足夠權限帳號才可以成功安裝

強化作業系統佈署

- 多重傳送(Multicast)的方式支援作業系統佈署
  - 不會用在其他軟體配送與原機升級
  - 透過Multicast傳送到DP
    - 需要 DP安裝在 Windows Server 2008，並啟動 WDS
    - 利用WDS 的機置作ConfigMgr 的多重傳送

  - 製作作業系統影像檔時須選取 multicast選項
  - 透過 WDS 模式，可排程與自動
  - 建議只使用在LAN的環境 (well-connected LANs)
    - 不建議使用在WAN的環境

整合SQL報表服務

- 新的角色 -- "Reporting Services Point"
- 可轉換或是複製舊有的 報表發佈到 Reporting Services point
  - 可選取全部或是特定報表
- 新物件
  - 在管理介面新增的報表管理物件
- 可以在ConfigMgr Console管理、瀏覽和執行 Configuration Manager 報表

整合 FCS

- Forefront Client Security
  - 提供用戶端電腦與伺服器一個制式的惡意攻擊防護
  - 視覺化的弱點與威脅回報

- Forefront Client Security 與 Configuration Manager 2007 R2 的整合
  - FCS 組態套件與SCCM 2007 R2 代理程式整合，確保用戶端的狀態
  - 管理者可以透過組態管理 (DCM)報表了解FCS在用戶端的狀態

Summary

- AI 1.5提供更多的軟體與硬體的資產管理協助
- 自動化更新軟體目錄機制，減少系統管理者管理軟體的煩惱
- Configuration Manager 2007 SP1與 R2 提供更新的功能簡化管理
  - 更詳細的資訊資產報表
  - 虛擬化應用程式管理
  - 更彈性的報表訂閱功能
- 網站已可以下載安裝體驗 connect.microsoft.com
- Configuration Manager R2 2008 12月RTM

Resources

- http://forums.microsoft.com/TechNet/ShowForum.aspx?ForumID=1816&SiteID=17

Configuration Manager – Asset Intelligence

Discussion on the Asset Intelligence feature for System Center Configuration Manager

New Thread

Subscribe to RSS

Thread	Last Post	Replies	Views
Announcements and FAQs			
Welcome to the Asset Intelligence forum by Dan Boldo [MSFT] 11 Sep 2007, 3:33 PM UTC	by Dan Boldo [MSFT] 14 Dec 2007 5:24 PM UTC	-	842
Topics			
Rating Forum posts: Why should I do it? by Dan Boldo [MSFT] 17 Apr 2008, 2:36 PM UTC	by Dan Boldo [MSFT] 17 Apr 2008 2:39 PM UTC	-	29
Recognizing Forum contributors by Dan Boldo [MSFT] 26 Mar 2008, 7:37 PM UTC	by Dan Boldo [MSFT] 11 Apr 2008 6:00 PM UTC	1	130
How and where is AI data collected on the client *Helpful* by Dan Boldo [MSFT] 14 Mar 2008, 10:07 PM UTC	by Dan Boldo [MSFT] 31 Mar 2008 4:33 PM UTC	7	703
What new topics should we cover? by Dan Boldo [MSFT] 19 Mar 2008, 11:56 PM UTC	by Dan Boldo [MSFT] 20 Mar 2008 2:12 PM UTC	1	135
Security access based on role in AI 1.5 by Dan Boldo [MSFT] 14 Mar 2008, 10:39 PM UTC	by Dan Boldo [MSFT] 17 Mar 2008 3:14 PM UTC	3	235
Nice article about AI 1.5 (beta) by Dan Boldo [MSFT] 05 Mar 2008, 7:06 PM UTC	by Dan Boldo [MSFT] 05 Mar 2008 7:11 PM UTC	1	267
Coming Soon: Customizing the Catalog with Asset Intelligence 1.5 by Dan Boldo [MSFT] 04 Dec 2007, 4:26 PM UTC	by Dan Boldo [MSFT] 04 Dec 2007 4:30 PM UTC	-	601
Coming Soon: Asset Intelligence 1.5 *Helpful* by Dan Boldo [MSFT] 03 Oct 2007, 5:32 PM UTC	by Dan Boldo [MSFT] 02 Nov 2007 4:20 PM UTC	4	2,231

Resources

http://microsoft.com/taiwan/technet

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Developer's Kit, Licenses, and MORE!