



EXAMPLE OF END TO END TEST OF JABRA WMI PROVIDER USING SCCM

Jabra Xpress Project Team - 2015

Jabra®

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SCCM SERVER 2012

Test Setup Environment

- SCCM Server 2012 R2 CU3
- Windows 10
- SQL Server 2012

TEST SETUP

Domain Controller

(Windows 10, SQL Server 2012 and
SCCM Server 2012 R2 CU3 is installed)



Client 1(WIN XP -
32 & 64 bit)



Jabra USB
Devices

Client 2(WIN 7 -
32 & 64 bit)



Jabra USB
Devices

Client 3(WIN 8 -
32 & 64bit)



Jabra USB
Devices

Client 4(WIN 10 -
32 & 64bit)



Jabra USB
Devices

Note: (SCCM client is installed in all Client PCs)

STEPS FOR TEST ENVIRONMENT SETUP

1. Install Windows 10 on a Test PC and configure as domain controller.
2. Install SCCM Server 2012 R2 CU3 in domain controller and configure SCCM.
3. Join the clients (Client 1, Client 2, Client 3 and Client 4) to the server (domain controller).
 - Client 1 : Win XP – 32 / 64 bit
 - Client 2 : Win 7 – 32 / 64 bit
 - Client 3 : Win 8 – 32 / 64 bit
 - Client 4 : Win 10 – 32 / 64 bit
4. Install SCCM client on all client PCs by client push method from server(domain controller).
5. Once the client is pushed from domain controller, all the clients are connected to the domain controller.
6. Install the Jabra WMI Provider on each client PCs.

STEPS FOR TEST ENVIRONMENT SETUP – CONTINUED

Screenshot of System Center 2012 R2 Configuration Manager interface showing the 'All Systems' collection.

The interface includes a ribbon bar with tabs: Selected Object, Folder Tools, Home, Collection, Close, Manage Affinity Requests, Update Membership, Export, Add Resources, Copy, Deploy, Properties, Deployment, Properties, Assets and Compliance, Overview, Devices, All Systems.

The left navigation pane shows the following hierarchy:

- Assets and Compliance
 - Users
 - Devices
 - All Systems
 - User Collections
 - Device Collections
 - AdHoc
 - Endpoint Protection
 - GN
 - Agent Versions
 - Locations
 - Locations servers
 - MAC
 - OSD
 - Power Management
 - Search
 - Settings Management
 - Software Deployment
 - Software Updates
 - Test
 - User State Migration
 - Asset Intelligence
 - Software Metering
 - Compliance Settings
 - Configuration Items
 - Configuration Baselines
 - User Data and Profiles
 - Assets and Compliance
 - Software Library
 - Monitoring
 - Administration

The main content area displays a list of systems under 'All Systems 1000 items':

Icon	Name	Client Type	Client	Site Code	Client Activity
Computer	AUSYDFILE10VM	Computer	Yes	P01	Active
Computer	AUSYDHYPERV10	Computer	Yes	P01	Active
Computer	AUSYDSCCM10VM	Computer	Yes	P01	Active
Computer	BEICCHURR	Computer	Yes	P01	Inactive
Computer	BEIDYAN	Computer	Yes	P01	Active
Computer	BEIJOZHU	Computer	Yes	P01	Active
Computer	BEIWCHANG	Computer	Yes	P01	Active
Computer	BEIWLIU	Computer	Yes	P01	Inactive
Computer	BNJJOLI	Computer	Yes	P01	Active
Computer	BNTZHANGX240	Computer	Yes	P01	Active
Computer	BRESVERBRAEKEN	Computer	Yes	P01	Active
Computer	BREWVERHOVEN8	Computer	Yes	P01	Active
Computer	CNSHNFILE10VM	Computer	Yes	P01	Active
Computer	CNSHNHYPERV10	Computer	Yes	P01	Active
Computer	CNSHNLYNC10VM	Computer	Yes	P01	Active
Computer	CNSHNSCCM10VM	Computer	Yes	P01	Active
Computer	CNSHZFILE10VM	Computer	Yes	P01	Active
Computer	CNSHZHYPERV10	Computer	Yes	P01	Active
Computer	CNSHZLYNC10VM	Computer	Yes	P01	Active
Computer	CNSHZSCCM10VM	Computer	Yes	P01	Active
Computer	CNXMNAPP10VM	Computer	Yes	P01	Active
Computer	CNXMNDPM01	Computer	Yes	P01	Active

The details for the selected system 'AUSYDFILE10VM' are shown:

General Information

Name:	AUSYDFILE10VM
Client Type:	Computer
Client Check Result:	Passed
Remediation:	
Active Directory Site:	AUMMelbourne
Last Logon:	

Client Activity

Policy Request:	03-09-2015 14:44
Heartbeat DDR:	01-09-2015 08:29
Hardware Scan:	28-08-2015 19:01
Software Scan:	
Management Point:	DKCPHS SCCM111VM.CORP.INTRA-GNN.COM
Status Message:	
Days Since Last Communication:	0

Related Objects

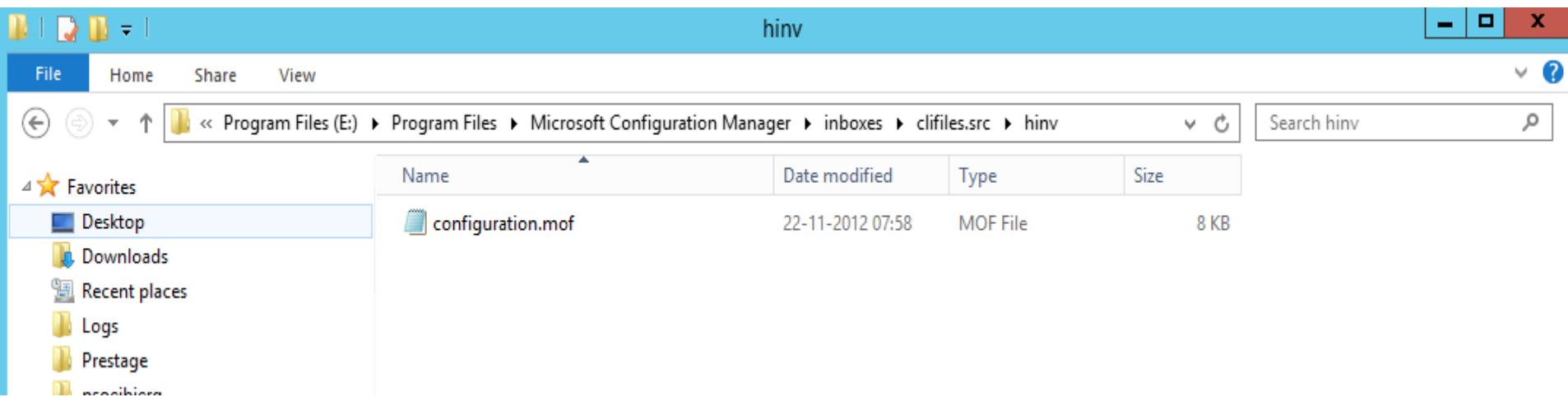
Primary User

(All clients are now connected to domain controller)

CONFIGURATION OF SCCM SERVER W.R.T JABRA WMI PROVIDER

STEPS:

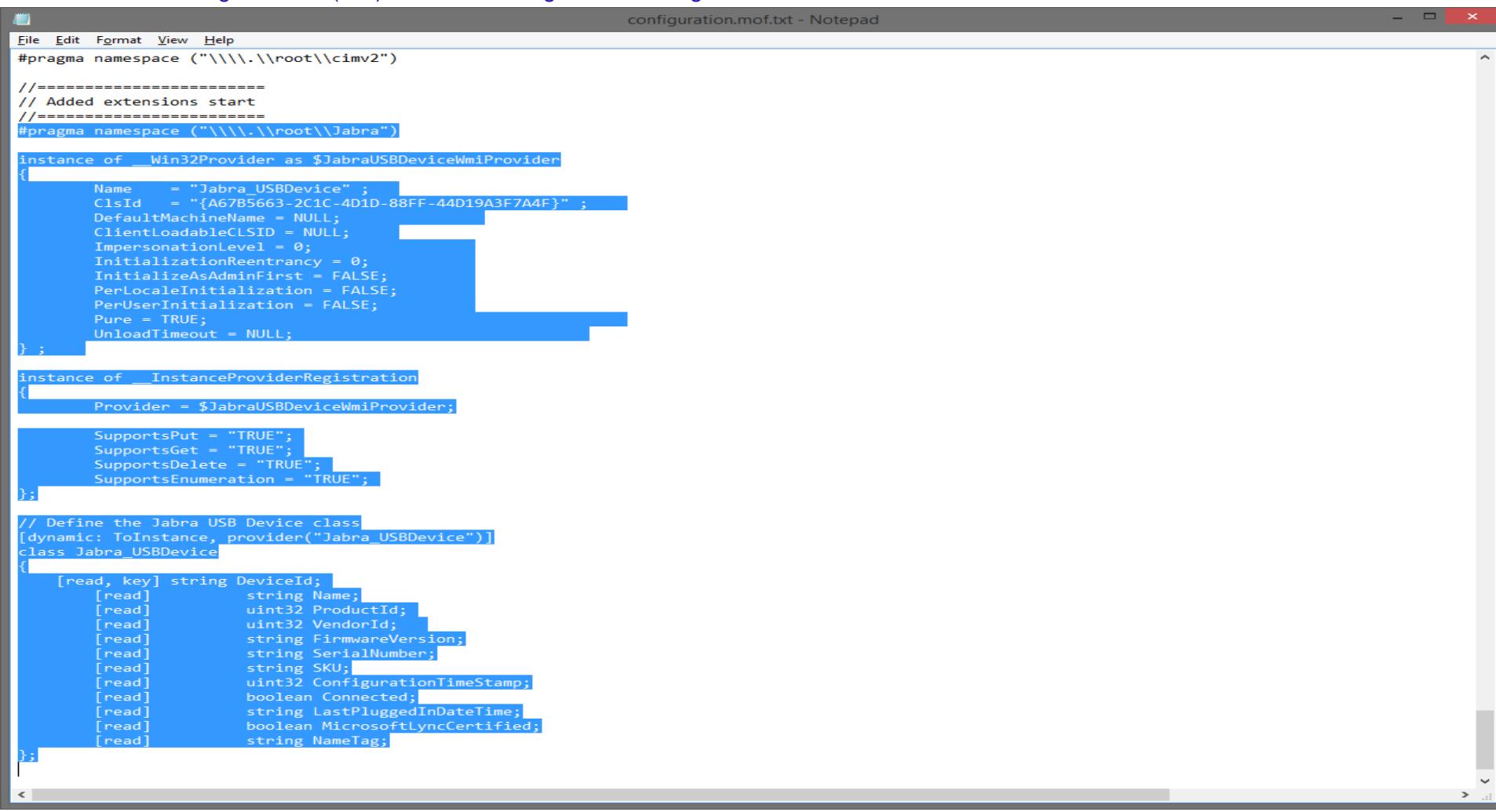
1. Once the above SCCM setup & configuration is done, then open the “[hinv](#)” folder as shown in below print screen.



CONFIGURATION OF SCCM SERVER W.R.T JABRA WMI PROVIDER - CONTINUED

2. Changes made to the configuration files located at the SCCM server

"C:\Program Files (x86)\Microsoft Configuration Manager\inboxes\clifiles.src\hinv".



The screenshot shows a Windows Notepad window titled "configuration.mof.txt - Notepad". The content of the file is a MOF (Management Object Format) script used to define a WMI provider for Jabra USB devices. The script includes pragmas for namespaces, class definitions for Win32Provider and InstanceProviderRegistration, and a class definition for Jabra_USBDevice.

```
File Edit Format View Help configuration.mof.txt - Notepad
#pragma namespace ("\\\\.\\\root\\\\cimv2")

//=====
// Added extensions start
//=====

#pragma namespace ("\\\\.\\\root\\\\Jabra")

instance of __Win32Provider as $JabraUSBDeviceWmiProvider
{
    Name      = "Jabra_USBDevice";
    ClsId     = "{A67B5663-2C1C-88FF-44D19A3F7A4F}";
    DefaultMachineName = NULL;
    ClientLoadableCLSID = NULL;
    ImpersonationLevel = 0;
    InitializationReentrancy = 0;
    InitializeAsAdminFirst = FALSE;
    PerLocaleInitialization = FALSE;
    PerUserInitialization = FALSE;
    Pure = TRUE;
    UnloadTimeout = NULL;
};

instance of __InstanceProviderRegistration
{
    Provider = $JabraUSBDeviceWmiProvider;

    SupportsPut = "TRUE";
    SupportsGet = "TRUE";
    SupportsDelete = "TRUE";
    SupportsEnumeration = "TRUE";
};

// Define the Jabra USB Device class
[dynamic: ToInstance, provider("Jabra_USBDevice")]
class Jabra_USBDevice
{
    [read, key] string DeviceId;
    [read]        string Name;
    [read]        uint32 ProductId;
    [read]        uint32 VendorId;
    [read]        string FirmwareVersion;
    [read]        string SerialNumber;
    [read]        string SKU;
    [read]        uint32 ConfigurationTimeStamp;
    [read]        boolean Connected;
    [read]        string LastPluggedInDateTime;
    [read]        boolean MicrosoftLyncCertified;
    [read]        string NameTag;
};
```

CONFIGURATION OF SCCM SERVER W.R.T JABRA WMI PROVIDER - CONTINUED

```
#pragma namespace ("\\.\root\Jabra")

instance of __Win32Provider as $JabraUSBDeviceWmiProvider
{
    Name = "Jabra_USBDevice";
    ClsId = "{A67B5663-2C1C-4D1D-88FF-44D19A3F7A4F}";
    DefaultMachineName = NULL;
    ClientLoadableCLSID = NULL;
    ImpersonationLevel = 0;
    InitializationReentrancy = 0;
    InitializeAsAdminFirst = FALSE;
    PerLocaleInitialization = FALSE;
    PerUserInitialization = FALSE;
    Pure = TRUE;
    UnloadTimeout = NULL;
};

instance of __InstanceProviderRegistration
{
    Provider = $JabraUSBDeviceWmiProvider;

    SupportsPut = "TRUE";
    SupportsGet = "TRUE";
    SupportsDelete = "TRUE";
    SupportsEnumeration = "TRUE";
};

// Define the Jabra USB Device class
[dynamic: Toinstance, provider("Jabra_USBDevice")]
class Jabra_USBDevice
{
    [read, key] string DeviceId;
        [read] string Name;
        [read] uint32 ProductId;
        [read] uint32 VendorId;
        [read] string FirmwareVersion;
        [read] string SerialNumber;
        [read] string SKU;
        [read] uint32 ConfigurationTimeStamp;
        [read] boolean Connected;
        [read] string LastPluggedInDateTime;
        [read] boolean MicrosoftLyncCertified;
        [read] string NameTag;
};

};
```

CONFIGURATION OF SCCM SERVER W.R.T JABRA WMI PROVIDER - CONTINUED

- Once the changes made to the configuration file, check the correctness of the .mof files.

```
Administrator: Command Prompt
Microsoft Windows [Version 6.1.7600]
Copyright <c> 2009 Microsoft Corporation. All rights reserved.

C:\Users\Administrator>cd\

C:\>cd C:\Program Files (x86)\Microsoft Configuration Manager\inboxes\clifiles.s
rc\hinv

C:\Program Files (x86)\Microsoft Configuration Manager\inboxes\clifiles.src\hinv>mofcomp -check Configuration.mof
Microsoft (R) MOF Compiler Version 6.1.7600.16385
Copyright (c) Microsoft Corp. 1997-2006. All rights reserved.
Parsing MOF file: Configuration.mof
MOF file has been successfully parsed
Syntax check complete.
WARNING: File Configuration.mof does not contain #PRAGMA AUTORECOVER.
If the WMI repository is rebuilt in the future, the contents of this MOF file will
not be included in the new WMI repository.
To include this MOF file when the WMI Repository is automatically reconstructed, place
the #PRAGMA AUTORECOVER statement on the first line of the MOF file.
Done!
```

CONFIGURATION OF SCCM SERVER W.R.T JABRA WMI PROVIDER - CONTINUED

4. Enable Hardware Inventory for clients at SCCM server

System Center 2012 R2 Configuration Manager (Connected to P01 - Primary Site, GN Copenhagen)

Home

Administration

Client Settings

Client Settings 7 items

Icon	Name	Type	Priority	Deployments
<input checked="" type="checkbox"/>	GN Server Settings	Device	2	1
<input checked="" type="checkbox"/>	Test Remote	Device	5	3
<input checked="" type="checkbox"/>	Properties	Default	10000	0
<input checked="" type="checkbox"/>	GN Workstation Settings	Device	6	1
<input checked="" type="checkbox"/>	Endpoint Protection	Device	1	2
<input checked="" type="checkbox"/>	User and Device Affinity	Device	3	2
<input checked="" type="checkbox"/>	User and Device Affinity	Device	4	1

Assets and Compliance

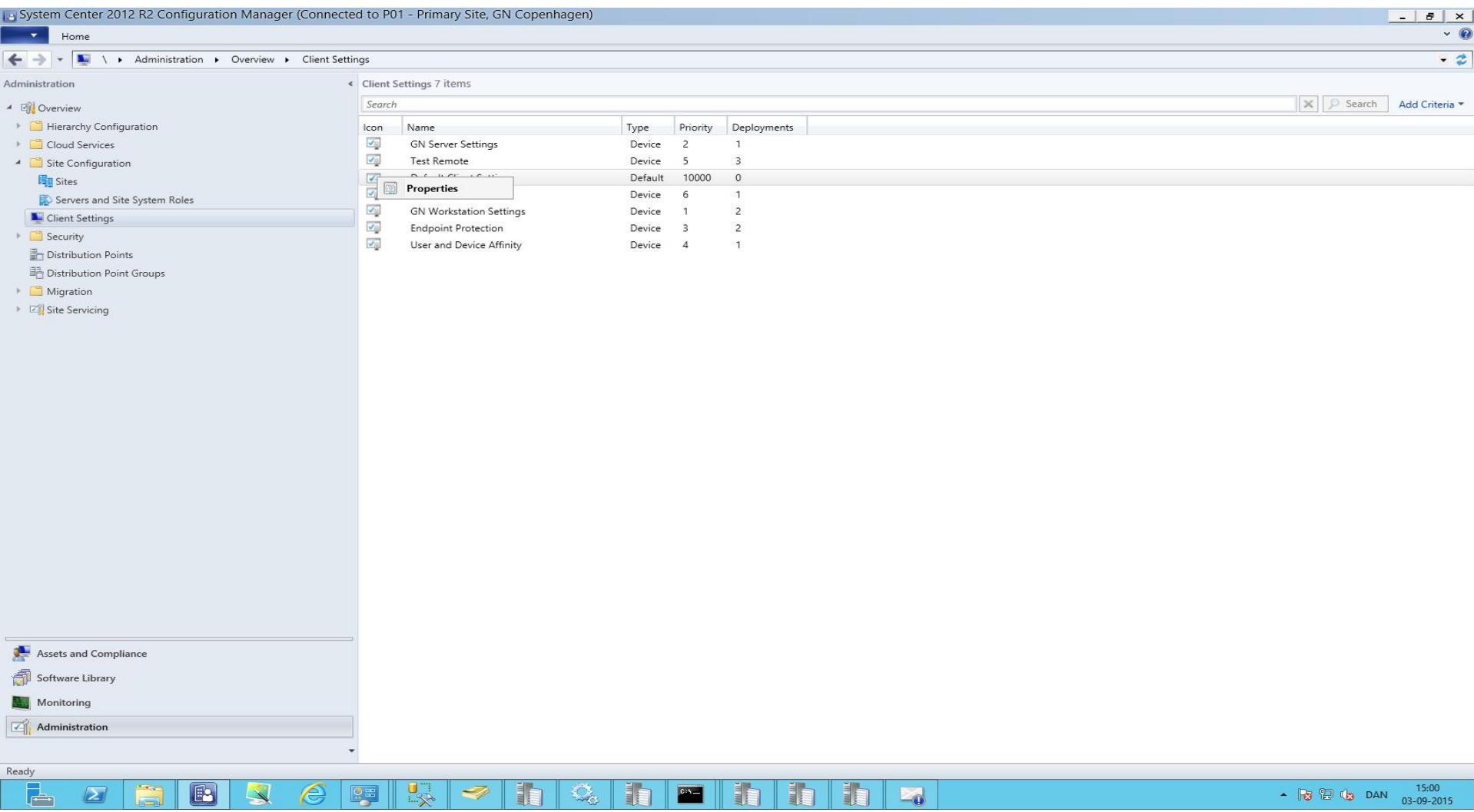
Software Library

Monitoring

Administration

Ready

15:00
03-09-2015 DAN

A screenshot of the System Center 2012 R2 Configuration Manager console. The title bar reads "System Center 2012 R2 Configuration Manager (Connected to P01 - Primary Site, GN Copenhagen)". The left navigation pane shows the "Administration" section with "Client Settings" selected. The main pane displays a table titled "Client Settings 7 items" with columns for Icon, Name, Type, Priority, and Deployments. The table lists several settings, including "Properties" which is highlighted with a red box around its row. The bottom navigation bar includes links for "Assets and Compliance", "Software Library", "Monitoring", and "Administration". The status bar at the bottom right shows the time as "15:00" and the date as "03-09-2015" along with the user name "DAN".

CONFIGURATION OF SCCM SERVER W.R.T JABRA WMI PROVIDER - CONTINUED

System Center 2012 R2 Configuration Manager (Connected to P01 - Primary Site, dkcphscmc110vm)

Home

Administration

Overview

Hierarchy Configuration

Cloud Services

Site Configuration

Sites

Servers and Site System Roles

Client Settings

Security

Distribution Points

Distribution Point Groups

Migration

Site Servicing

Assets and Compliance

Software Library

Monitoring

Administration

Client Settings 7 items

Search

Add Criteria

Icon	Name	Type	Priority	Deployments
	GN Server Settings	Device	2	1
	Test Remote	Device	5	3
	Default Client Settings	Default	10000	0
	GN			
	GN			
	User			

Default Settings

Background Intelligent Transfer
Cloud Services
Client Policy
Compliance Settings
Computer Agent
Computer Restart
Endpoint Protection
Hardware Inventory
Metered Internet Connections
Enrollment
Network Access Protection (NAP)
Power Management
Remote Tools
Software Deployment
Software Inventory
Software Metering
Software Updates
State Messaging
User and Device Affinity

Default Settings

Specify settings that apply to all clients in the hierarchy, and can be modified by custom settings.

Specify hardware inventory settings for client computers.

Device Settings

Enable hardware inventory on clients: Yes

Occurs every 2 days effective 01-02-1970 00:00

Hardware inventory schedule: Schedule ...

Maximum custom MIF file size (KB): 250

Hardware inventory classes: Set Classes ...

Collect MIF files: None

OK Cancel

CONFIGURATION OF SCCM SERVER W.R.T JABRA WMI PROVIDER - CONTINUED

Hardware Inventory Classes

Select the classes that will be collected by hardware inventory

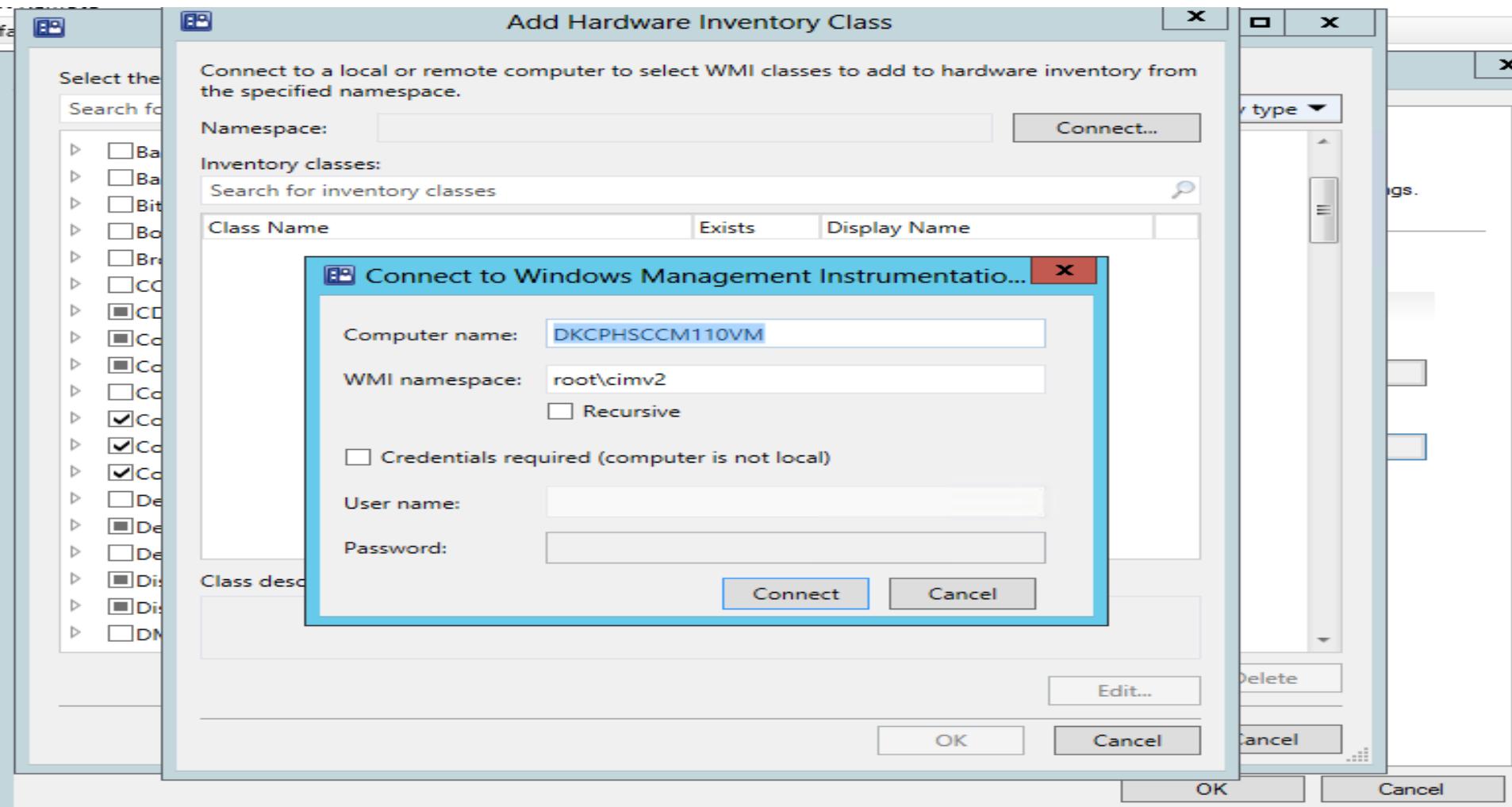
Search for inventory classes Filter by category Filter by type

- ▶ 1394 Controller (Win32_1394Controller)
- ▶ ActiveSync Service (SMS_ActiveSyncService)
- ▶ AMT Agent (SMS_AMTObject)
- ▶ Apple Warranty Info (PMM_AppleWarrantyInfo)
- ▶ AppV Client Application (AppvClientApplication)
- ▶ AppV Client Package (AppvClientPackage)
- ▶ AutoStart Software - Asset Intelligence (SMS_AutoStartSoftware)
- ▶ BaseBoard (Win32_BaseBoard)
- ▶ Battery (Win32_Battery)
- ▶ BitLocker (Win32_EncryptableVolume)
- ▶ Boot Configuration (Win32_BootConfiguration)
- ▶ Browser Helper Object - Asset Intelligence (SMS_BrowserHelperObject)
- ▶ CCM_RAX (CCM_RAXInfo)
- ▶ CDROM Drive (Win32_CDROMDrive)
- ▶ Computer System (Win32_ComputerSystem)
- ▶ Computer System Product (Win32_ComputerSystemProduct)
- ▶ Configuration Manager Client Ports (Win32Reg_SMSAdvancedClientPorts)
- ▶ Configuration Manager Client SSL Configurations (Win32Reg_SMSAdvancedClientSSLConfiguration)
- ▶ Configuration Manager Client State (CCM_InstalledComponent)

Import... Export... Add... Delete

OK Cancel

CONFIGURATION OF SCCM SERVER W.R.T JABRA WMI PROVIDER - CONTINUED



CONFIGURATION OF SCCM SERVER W.R.T JABRA WMI PROVIDER - CONTINUED

Hardware Inventory Classes

Select the classes that will be collected by hardware inventory

Search for inventory classes Filter by category Filter by type

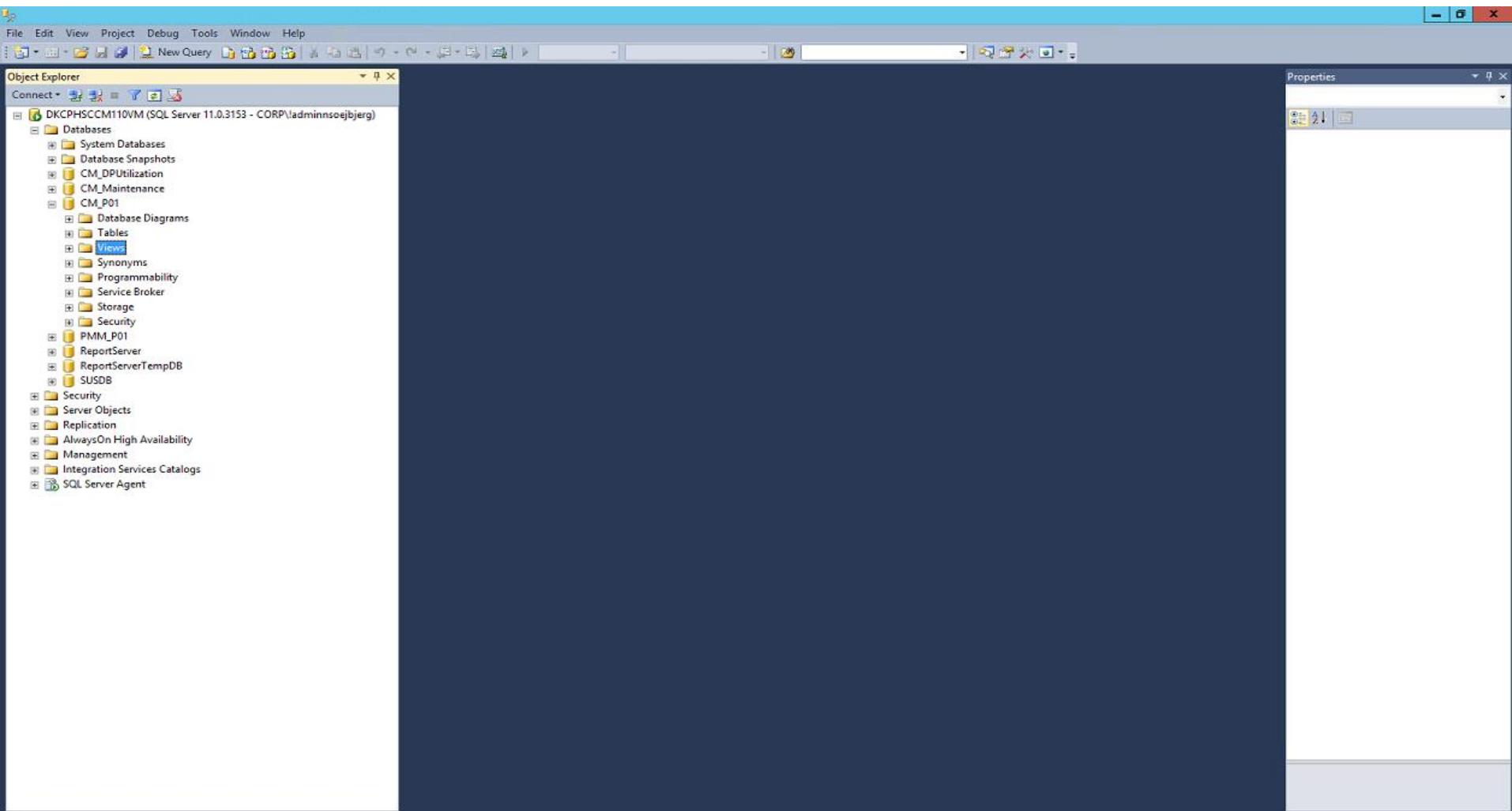
- ▶ Installed Applications (Win32Reg_AddRemovePrograms)
- ▶ Installed Executable - Asset Intelligence (SMS_InstalledExecutable)
- ▶ Installed Software - Asset Intelligence (SMS_InstalledSoftware)
- ▶ IRQ Table (Win32_IRQResource)
- ◀ Jabra_USBDevice (Jabra_USBDevice)
 - DeviceId
 - ConfigurationTimeStamp
 - Connected
 - FirmwareVersion
 - LastPluggedInDateTime
 - MicrosoftLyncCertified
 - Name
 - NameTag
 - ProductId
 - SerialNumber
 - SKU
 - VendorId
- ▶ Keyboard (Win32_Keyboard)
- ▶ Load Order Group (Win32_LoadOrderGroup)
- ▶ Logical Disk /SMS_LogicalDisk

Import... Export... Add... Delete

OK Cancel

CONFIGURATION OF SCCM SERVER W.R.T JABRA WMI PROVIDER - CONTINUED

5. Open **SQL Server Management Studio** and click on **View**.



CONFIGURATION OF SCCM SERVER W.R.T JABRA WMI PROVIDER - CONTINUED

6. Click on database object of Jabra WMI Provider.

The screenshot shows the Microsoft SQL Server Management Studio (SSMS) interface. The title bar reads "Microsoft SQL Server Management Studio (Administrator)".

The Object Explorer pane on the left lists several database objects under the schema "dbo.v_". These objects include various views such as GS_DEVICE_POLICY, GS_DEVICE_POWER, GS_DEVICE_WLAN, GS_DISK, GS_DMA_CHANNEL, GS_DRIVER_VXD, GS_EMBEDDED_DEVICE_INFO, GS_ENCRYPTABLE_VOLUME, GS_ENVIRONMENT, GS_EPDeploymentState, GS_FOLDER_REDIRECTION_HEALTH, GS_IDE_CONTROLLER, GS_INSTALLED_EXECUTABLE, GS_INSTALLED_SOFTWARE, GS_INSTALLED_SOFTWARE_CATEGORIZED, GS_INSTALLED_SOFTWARE_MS, GS_IRQ, and GS_JABRA_USBDEVICE. The "GS_JABRA_USBDEVICE" view is currently selected, as indicated by its expanded state in the tree view.

The Properties pane on the right displays the properties for the selected "GS_JABRA_USBDEVICE" view. It includes sections for General, Script, Columns, Triggers, Indexes, and Statistics.

At the bottom left, the status bar shows the word "Ready".

CONFIGURATION OF SCCM SERVER W.R.T JABRA WMI PROVIDER - CONTINUED

7. Query the Jabra USB Device information by executing the select command.

The screenshot shows the Microsoft SQL Server Management Studio interface. The title bar reads "Solution1 - Microsoft SQL Server Management Studio (Administrator)". The left pane, "Object Explorer", lists several database objects under the schema "dbo.v_". A context menu is open over the table "dbo.v_GS_JABRA_USBDEVICE". The menu items include:

- New View...
- Design
- Select Top 1000 Rows** (highlighted)
- Edit Top 200 Rows
- Script View as
- View Dependencies
- Full-Text index
- Policies
- Facets
- Start PowerShell
- Reports
- Rename
- Delete
- Refresh
- Properties

The "Properties" tab of the "Properties" window is visible on the right side of the screen. The status bar at the bottom shows "Ready" and the system tray includes icons for network, taskbar, and system status.

CONFIGURATION OF SCCM SERVER W.R.T JABRA WMI PROVIDER - CONTINUED

SQLQuery6.sql - DKCPHSCCM110VM.master (CORP\admindnsoejbjerg (87)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Debug Tools Window Help

New Query Execute Debug

master

Object Explorer

SQLQuery6.sql - DKCPHSCCM110VM (87) X

```
***** Script for SelectTopNRows command from SSMS *****/
SELECT TOP 1000 [ResourceID]
      ,[GroupID]
      ,[RevisionID]
      ,[AgentID]
      ,[TimeStamp]
      ,[ConfigurationTimeStamp0]
      ,[Connected0]
      ,[DeviceId0]
      ,[FirmwareVersion0]
      ,[LastPluggedInDateTime0]
      ,[MicrosoftLyncCertified0]
      ,[Name0]
      ,[NameTag0]
      ,[ProductId0]
      ,[SerialNumber0]
      ,[SKU0]
      ,[VendorId0]
  FROM [CM_P01].[dbo].[v_GS_JABRA_USBDEVICE]
```

Properties

Current connection parameters

Aggregate Status	Connection failure
Elapsed time	00:00:00.3408524
Finish time	25-08-2015 09:34:34
Name	DKCPHSCCM110VM
Rows returned	1000
Start time	25-08-2015 09:34:34
State	Open
Connection	Connection name DKCPHSCCM110VM (C
Connection Details	Connection elaps: 00:00:00.3408524
Connection finish	25-08-2015 09:34:34
Connection rows	1000
Connection start t	25-08-2015 09:34:34
Connection state	Open
Display name	DKCPHSCCM110VM
Login name	CORP\admindnsoejbjerg
Server name	DKCPHSCCM110VM
Server version	11.0.3153
Session Tracing ID	
SPID	87

Columns

- ResourceID (int, not null)
- GroupID (int, not null)
- RevisionID (int, not null)
- AgentID (int, null)
- TimeStamp (datetime, not null)
- ConfigurationTimeStamp0 (int, null)
- Connected0 (int, null)
- DeviceId0 (nvarchar(255), null)
- FirmwareVersion0 (nvarchar(255), null)
- LastPluggedInDateTime0 (nvarchar(255), null)
- MicrosoftLyncCertified0 (int, null)
- Name0 (nvarchar(255), null)
- NameTag0 (nvarchar(255), null)
- ProductId0 (int, null)
- SerialNumber0 (nvarchar(255), null)
- SKU0 (nvarchar(255), null)
- VendorId0 (int, null)

Triggers

Indexes

Statistics

dbo.v_GS_KEYBOARD_DEVICE

dbo.v_GS_LastSoftwareScan

dbo.v_GS_LOAD_ORDER_GROUP

dbo.v_GS_LOGICAL_DISK

dbo.v_GS_Mapped_Add_Remove_Programs

Results Messages

Query executed successfully.

DKCPHSCCM110VM (11.0 SP1) | CORP\admindnsoejbjerg ... | master | 00:00:00 | 1000 rows

Ready

Ln 1 Col 1 Ch 1 INS

Name
The name of the connection.

09:34
25-08-2015

CONFIGURATION OF SCCM SERVER W.R.T JABRA WMI PROVIDER - CONTINUED

8. Click on Execute button.

SQLQuery6.sql - DKCPHSCCM110VM.master (CORP\ladminnsoejbjerg (87)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Debug Tools Window Help

New Query Execute Debug

master

Object Explorer

SQLQuery6.sql - DKCPHSCCM110VM (87) X

```
***** Script for SelectTopNRows command from SSMS *****/
SELECT TOP 1000 [ResourceID]
,[GroupID]
```

Results Messages

ResourceID	GroupID	RevisionID	AgentID	TimeStamp	ConfigurationTimeStamp0	Connected0	DeviceId0
1	16777743	1	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2324&MI_03&Co104#8&36c8179c8...
2	16777743	2	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2002&MI_03#8&452d79&0&0000...
3	16777743	3	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_1062&MI_03&Co103#8&635df180...
4	16777743	4	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2301&MI_03&Co104#8&362f658a...
5	16777743	5	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2321&MI_03&Co103#8&212e04b...
6	16777743	6	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2323&MI_03&Co102#8&2bb8a9680...
7	16777743	7	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2322&MI_03&Co101#8&74482e8a...
8	16777743	8	2	2015-08-24 14:09:52.000	0	0	\?\HID#VID_0B0E&PID_0311#f781b6e573a0000#4d1e...
9	16777743	9	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_0410&MI_03&Co103#8&68cd8a80...
10	16777743	10	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2303&MI_03&Co104#8&2be5639b...
11	16777743	11	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2456&MI_03&Co103#8&36e574c5...
12	16777743	12	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2302&MI_03&Co104#8&14da1d158...
13	16777743	13	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2321&MI_03&Co101#8&2f78380...
14	16777743	14	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2304&MI_03&Co104#8&29ea5c7...
15	16777743	15	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2301&MI_03&Co104#8&229d5cf8...
16	16777743	16	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2308&MI_03&Co103#8&34e22518...
17	16777743	17	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2401&MI_03&Co102#8&38c08a1...
18	16777743	18	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2304&MI_03&Co102#8&12d8058a...
19	16777743	19	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2324&MI_03&Co104#8&30d3e1876...
20	16777743	20	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2304&MI_03&Co104#8&2c2d9ef...
21	16777743	21	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2303&MI_03&Co104#8&268312c...
22	16777743	22	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2302&MI_03&Co102#8&aaffed780...
23	16777743	23	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2319&MI_03&Co104#8&3d5552480...
24	16777743	24	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2304&MI_03&Co102#8&19b271280...
25	16777743	25	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2401&MI_03&Co103#8&37e165c0...
26	16777743	26	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2303&MI_03&Co104#8&30408d52...
27	16777743	27	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2304&MI_03&Co104#8&26d59ce38...
28	16777743	28	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2323&MI_03&Co103#8&838dbdc58...
29	16777743	29	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2304&MI_03&Co103#8&21068c0...
30	16777743	30	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2100&MI_03#8&1710e408&000...
31	16777743	31	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2320#f78350aa8e&0&0000#4d1e...
32	16777743	32	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_1900&MI_03#8&b38a66&0&0000...
33	16777743	33	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2303&MI_03&Co104#8&94f72380...
34	16777743	34	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2450&MI_03&Co103#8&8393a248a...
35	16777743	35	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2303&MI_03&Co104#8&35eb6522...
36	16777743	36	2	2015-08-24 14:09:52.000	0	0	\?\HID#VID_0B0E&PID_2300#f783a734#0&1&0000#4d1e...
37	16777743	37	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2321#f783a734#0&1&0000#4d1e...
38	16777743	38	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2300#f783a734#0&1&0000#4d1e...

Properties

Current connection parameters

Aggregate Status

Connection failure

Elapsed time 00:00:00.3408524

Finish time 25-08-2015 09:34:34

Name DKCPHSCCM110VM

Rows returned 1000

Start time 25-08-2015 09:34:34

State Open

Connection

Connection name DKCPHSCCM110VM (CORP\ladminnsoejbjerg)

Connection Details

Connection elaps 00:00:00.3408524

Connection finish 25-08-2015 09:34:34

Connection rows 1000

Connection start t 25-08-2015 09:34:34

Connection state Open

Display name DKCPHSCCM110VM

Login name CORP\ladminnsoejbjerg

Server name DKCPHSCCM110VM

Server version 11.0.3153

Session Tracing ID

SPID 87

Name The name of the connection.

Query executed successfully.

DKCPHSCCM110VM (11.0 SP1) | CORP\ladminnsoejbjerg ... | master | 00:00:00 | 1000 rows

Ready

Ln 19 Col 26 Ch 26 INS

9:35 25-08-2015

CONFIGURATION OF SCCM SERVER W.R.T JABRA WMI PROVIDER - CONTINUED

SQLQuery6.sql - DKCPHSCCM110VM.master (CORP\admindnsoejbjerg (87)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Debug Tools Window Help

New Query Execute Debug

master

Object Explorer

SQLQuery6.sql - DKCPHSCCM110VM (87) X

```
***** Script for SelectTopNRows command from SSMS *****/
SELECT TOP 1000 [ResourceID]
      ,[GroupID]
      ,[RevisionID]
      ,[AgentID]
      ,[TimeStamp]
      ,[ConfigurationTimeStamp0]
      ,[Connected0]
      ,[DeviceId0]
      ,[FirmwareVersion0]
      ,[LastPluggedInDateTime0]
      ,[MicrosoftLyncCertified0]
      ,[Name0]
      ,[NameTag0]
      ,[ProductId0]
      ,[SerialNumber0]
      ,[SKU0]
      ,[VendorId0]
  FROM [CM_P01].[dbo].[v_gs_JABRA_USBDEVICE]
```

Properties

Current connection parameters

Aggregate Status	Connection failure
Elapsed time	00:00:00.3408524
Finish time	25-08-2015 09:34:34
Name	DKCPHSCCM110VM
Rows returned	1000
Start time	25-08-2015 09:34:34
State	Open
Connection	Connection name DKCPHSCCM110VM (CORP\admindnsoejbjerg)
Connection Details	Connection elaps: 00:00:00.3408524 Connection finish: 25-08-2015 09:34:34 Connection rows: 1000 Connection start t: 25-08-2015 09:34:34 Connection state: Open Display name: DKCPHSCCM110VM Login name: CORP\admindnsoejbjerg Server name: DKCPHSCCM110VM Server version: 11.0.3153 Session Tracing ID: 87

Results Messages

	ConfigurationTimeStamp0	Connected0	DeviceId0	FirmwareVersion0	LastPluggedInDateTime0	MicrosoftLyncCertified0
1	0	0	\\?HID#VID_0B0E&PID_2324&MI_03&Col04#8&36c8179c...	1.6	22/06/2015 11:37:36 AM	0
2	0	0	\\?HID#VID_0B0E&PID_2002&MI_03#8&452d7980&0000#...	2.8	20/01/2015 07:49:50 AM	0
3	0	0	\\?HID#VID_0B0E&PID_1062&MI_03&Col03#8&35ddf1a0...	2.13	20/06/2015 04:23:06 PM	0
4	0	0	\\?HID#VID_0B0E&PID_2301&MI_03&Col04#8&362f65a...	2.1	01/06/2015 06:19:59 PM	0
5	0	0	\\?HID#VID_0B0E&PID_2321&MI_03&Col03#8&212e0b...	1.0	20/08/2015 12:51:53 AM	0
6	0	0	\\?HID#VID_0B0E&PID_2323&MI_03&Col02#8&bb8a96&...	1.5	20/06/2015 09:57:54 AM	0
7	0	0	\\?HID#VID_0B0E&PID_2322&MI_03&Col01#8&74482ea...	1.0	20/01/2015 07:49:50 AM	0
8	0	0	\\?HID#VID_0B0E&PID_0311#781b6573&0&0000#4d1e...	1.56	21/08/2015 04:39:25 PM	0
9	0	0	\\?HID#VID_0B0E&PID_0410&MI_03&Col03#8&8ecd8a&...	1.8	21/08/2015 02:47:16 PM	0
10	0	0	\\?HID#VID_0B0E&PID_2303&MI_03&Col04#8&2e56d39b...	2.1	28/04/2015 11:28:13 AM	0
11	0	0	\\?HID#VID_0B0E&PID_2456&MI_03&Col03#8&36e574c5...	1.0	21/08/2015 05:47:00 PM	0
12	0	0	\\?HID#VID_0B0E&PID_2302&MI_03&Col04#8&14da1d5...	2.1	03/06/2015 04:33:10 PM	0

Query executed successfully.

DKCPHSCCM110VM (11.0 SP1) | CORP\admindnsoejbjerg ... | master | 00:00:00 | 1000 rows

Ready Ln 19 Col 26 Ch 26 INS

Name The name of the connection.

09:35 25-08-2015

CONFIGURATION OF SCCM SERVER W.R.T JABRA WMI PROVIDER - CONTINUED

9. Query only offline device information.

SQLQuery6.sql - DKCPHSCCM110VM.master (CORP\adminnsoejbjerg (87)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Debug Tools Window Help

New Query Execute Debug

master

Object Explorer

Connect

- dbo.v_GS_DEVICE_POLICY
- dbo.v_GS_DEVICE_POWER
- dbo.v_GS_DEVICE_WINDOWSECURITYPOLICY
- dbo.v_GS_DEVICE_WLAN
- dbo.v_GS_DISK
- dbo.v_GS_DMA_CHANNEL
- dbo.v_GS_DRIVER_VXD
- dbo.v_GS_EMBEDDED_DEVICE_INFO
- dbo.v_GS_ENCRYPTABLE_VOLUME
- dbo.v_GS_ENVIRONMENT
- dbo.v_GS_EPDeploymentState
- dbo.v_GS_FOLDER_REDIRECTION_HEALTH
- dbo.v_GS_IDE_CONTROLLER
- dbo.v_GS_INSTALLED_EXECUTABLE
- dbo.v_GS_INSTALLED_SOFTWARE
- dbo.v_GS_INSTALLED_SOFTWARE_CATEGORIZED
- dbo.v_GS_INSTALLED_SOFTWARE_MS
- dbo.v_GS_IRQ
- dbo.v_GS_JABRA_USBDEVICE
- Columns
 - ResourceID (int, not null)
 - GroupId (int, not null)
 - RevisionID (int, not null)
 - AgentID (int, null)
 - TimeStamp (datetime, not null)
 - ConfigurationTimeStamp0 (int, null)
 - Connected0 (int, null)
 - DeviceId0 (nvarchar(255), null)
 - FirmwareVersion0 (nvarchar(255), null)
 - LastPluggedInDateTimo0 (nvarchar(255), null)
 - MicrosoftLyncCertified0 (int, null)
 - Name0 (nvarchar(255), null)
 - NameTag0 (nvarchar(255), null)
 - Productid0 (int, null)
 - SerialNumber0 (nvarchar(255), null)
 - SKU0 (nvarchar(255), null)
 - VendorId0 (int, null)
- Triggers
- Indexes
- Statistics
- dbo.v_GS_KEYBOARD_DEVICE
- dbo.v_GS_LastSoftwareScan
- dbo.v_GS_LOAD_ORDER_GROUP
- dbo.v_GS_LOGICAL_DISK
- dbo.v_GS_Mapped_Add_Remove_Programs

Properties

Current connection parameters

Aggregate Status

Connection failure

- Elapsed time 00:00:3510621
- Finish time 25-08-2015 09:36:32
- Name DKCPHSCCM110VM
- Rows returned 1000
- Start time 25-08-2015 09:36:32
- State Open

Connection

Connection name DKCPHSCCM110VM (CORP\adminnsoejbjerg)

Connection Details

- Connection elapsed 00:00:3510621
- Connection finish 25-08-2015 09:36:32
- Connection rows 1000
- Connection start t 25-08-2015 09:36:32
- Connection state Open
- Display name DKCPHSCCM110VM
- Login name CORP\adminnsoejbjerg
- Server name DKCPHSCCM110VM
- Server version 11.0.3153
- Session Tracing ID
- SPID 87

SQLQuery6.sql - DKCPHSCCM110VM.master (CORP\adminnsoejbjerg (87))*

```
/****** Script for SelectTopNRows command from SSMS *****/
SELECT TOP 1000 [ResourceId]
      ,[GroupId]
      ,[RevisionID]
      ,[AgentID]
      ,[TimeStamp]
      ,[ConfigurationTimeStamp0]
      ,[Connected0]
      ,[DeviceId0]
      ,[FirmwareVersion0]
      ,[LastPluggedInDateTimo0]
      ,[MicrosoftLyncCertified0]
      ,[Name0]
      ,[NameTag0]
      ,[Productid0]
      ,[SerialNumber0]
      ,[SKU0]
      ,[VendorId0]
  FROM [CH_P01].[dbo].[v_GS_JABRA_USBDEVICE] where Connected0 = 0
```

Results Messages

ResourceId	GroupId	RevisionID	AgentID	TimeStamp	ConfigurationTimeStamp0	Connected0	DeviceId0
1	16777743	1	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2324&MI_03&Co04#836c8179c&
2	16777743	2	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2002&MI_03#8&452d79&0&0000#.
3	16777743	3	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_1062&MI_03&Co03#8&635dcf1&0
4	16777743	4	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2301&MI_03&Co04#836c2f65a&
5	16777743	5	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2321&MI_03&Co03#8&2f12e04&
6	16777743	6	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2323&MI_03&Co02#8&b2b8a9680
7	16777743	7	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2322&MI_03&Co01#8&74482ea&
8	16777743	8	2	2015-08-24 14:09:52.000	0	0	\?\HID#VID_0B0E&PID_0311f781b6573&0&0000#4d1e...
9	16777743	9	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_0410&MI_03&Co03#8&68ec08&
10	16777743	10	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2303&MI_03&Co04#8&2e56d39b&
11	16777743	11	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2456&MI_03&Co03#8&836c574c5&
12	16777743	12	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2302&MI_03&Co04#8&14da1d15&

Query executed successfully.

DKCPHSCCM110VM (11.0 SP1) | CORP\adminnsoejbjerg ... | master | 00:00:00 | 1000 rows

Name
The name of the connection.

Ln 19 Col 66 Ch 66 OVR

Ready

File Edit View Insert Query Project Tools Window Help

New Query Execute Debug

master

Properties

Current connection parameters

Aggregate Status

Connection failure

- Elapsed time 00:00:3510621
- Finish time 25-08-2015 09:36:32
- Name DKCPHSCCM110VM
- Rows returned 1000
- Start time 25-08-2015 09:36:32
- State Open

Connection

Connection name DKCPHSCCM110VM (CORP\adminnsoejbjerg)

Connection Details

- Connection elapsed 00:00:3510621
- Connection finish 25-08-2015 09:36:32
- Connection rows 1000
- Connection start t 25-08-2015 09:36:32
- Connection state Open
- Display name DKCPHSCCM110VM
- Login name CORP\adminnsoejbjerg
- Server name DKCPHSCCM110VM
- Server version 11.0.3153
- Session Tracing ID
- SPID 87

SQLQuery6.sql - DKCPHSCCM110VM.master (CORP\adminnsoejbjerg (87))*

```
/****** Script for SelectTopNRows command from SSMS *****/
SELECT TOP 1000 [ResourceId]
      ,[GroupId]
      ,[RevisionID]
      ,[AgentID]
      ,[TimeStamp]
      ,[ConfigurationTimeStamp0]
      ,[Connected0]
      ,[DeviceId0]
  FROM [CH_P01].[dbo].[v_GS_JABRA_USBDEVICE] where Connected0 = 0
```

Results Messages

ResourceId	GroupId	RevisionID	AgentID	TimeStamp	ConfigurationTimeStamp0	Connected0	DeviceId0
1	16777743	1	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2324&MI_03&Co04#836c8179c&
2	16777743	2	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2002&MI_03#8&452d79&0&0000#.
3	16777743	3	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_1062&MI_03&Co03#8&635dcf1&0
4	16777743	4	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2301&MI_03&Co04#836c2f65a&
5	16777743	5	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2321&MI_03&Co03#8&2f12e04&
6	16777743	6	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2323&MI_03&Co02#8&b2b8a9680
7	16777743	7	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2322&MI_03&Co01#8&74482ea&
8	16777743	8	2	2015-08-24 14:09:52.000	0	0	\?\HID#VID_0B0E&PID_0311f781b6573&0&0000#4d1e...
9	16777743	9	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_0410&MI_03&Co03#8&68ec08&
10	16777743	10	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2303&MI_03&Co04#8&2e56d39b&
11	16777743	11	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2456&MI_03&Co03#8&836c574c5&
12	16777743	12	1	2015-08-22 10:36:53.000	0	0	\?\HID#VID_0B0E&PID_2302&MI_03&Co04#8&14da1d15&

Query executed successfully.

DKCPHSCCM110VM (11.0 SP1) | CORP\adminnsoejbjerg ... | master | 00:00:00 | 1000 rows

Name
The name of the connection.

Ln 19 Col 66 Ch 66 OVR

CONFIGURATION OF SCCM SERVER W.R.T JABRA WMI PROVIDER - CONTINUED

10. Query only online device information.

SQLQuery6.sql - DKCPHSCCM110VM.master (CORP\admindnsoejbjerg (87)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Debug Tools Window Help

New Query Execute Debug

master

Object Explorer

Script for SelectTopNRows command from SSMS *****

```
SELECT TOP 1000 [ResourceID]
      ,[GroupID]
      ,[RevisionID]
      ,[AgentID]
      ,[TimeStamp]
      ,[ConfigurationTimeStamp0]
      ,[Connected0]
      ,[DeviceId0]
      ,[FirmwareVersion0]
      ,[LastPluggedInDateTime0]
      ,[MicrosoftLyncCertified0]
      ,[Name0]
      ,[NameTag0]
      ,[ProductId0]
      ,[SerialNumber0]
      ,[SKU0]
      ,[VendorId0]
  FROM [CM_P01].[dbo].[v_GS_JABRA_USBDEVICE] where Connected0 = 1
```

Properties

Current connection parameters

Aggregate Status	Connection failure
Elapsed time	00:00:00.1210002
Finish time	25-08-2015 09:36:53
Name	DKCPHSCCM110VM
Rows returned	8
Start time	25-08-2015 09:36:52
State	Open
Connection	Connection name DKCPHSCCM110VM (C
Connection Details	Connection elaps: 00:00:00.1210002
Connection finish	25-08-2015 09:36:53
Connection rows	8
Connection start	25-08-2015 09:36:52
Connection state	Open
Display name	DKCPHSCCM110VM
Login name	CORP\admindnsoejbjerg
Server name	DKCPHSCCM110VM
Server version	11.0.3153
Session Tracing ID	
SPID	87

Results Messages

ResourceID	GroupID	RevisionID	AgentID	TimeStamp	ConfigurationTimeStamp0	Connected0	DeviceId0	Firm
1	1677743	77	1	1	2015-08-24 14:09:52.000	0	\\\?hid#vid_0b0e&pid_a330&mi_03&col03#8&3579c0d8...	1.3
2	16778512	212	3	1	2015-08-24 02:47:41.000	0	\\\?hid#vid_0b0e&pid_a346&mi_03&col02#8&86718480...	1.2
3	16778829	590	4	1	2015-08-24 09:11:03.000	0	\\\?hid#vid_0b0e&pid_1042&mi_03&col02#9&730f14480...	3.1
4	16781622	18	1	1	2015-08-24 13:52:24.000	0	\\\?hid#vid_0b0e&pid_a345&mi_03&col02#7&92a1fe&0...	1.2
5	16782410	133	1	1	2015-08-24 16:38:57.000	0	\\\?hid#vid_0b0e&pid_030c&mi_03&col02#8&549528...	1.5
6	16782985	1	3	1	2015-08-24 09:44:40.000	0	\\\?hid#vid_0b0e&pid_0306&mi_03&col02#7&27e81e3d...	1.1
7	16782985	9	3	1	2015-08-24 09:44:40.000	0	\\\?hid#vid_0b0e&pid_1042&mi_03&col02#8&3759b5a...	3.8
8	16784172	32	37	1	2015-08-24 08:20:47.000	0	\\\?hid#vid_0b0e&pid_a346&mi_03&col02#8&397d08d2...	1.2

Name
The name of the connection.

Query executed successfully.

DKCPHSCCM110VM (11.0 SP1) | CORP\admindnsoejbjerg ... | master | 00:00:00 | 8 rows

Ln 19 Col 66 Ch 66 OVR

Ready

File Edit View Insert Query Project Tools Window Help

New Query Execute Debug

master

Object Explorer

Script for SelectTopNRows command from SSMS *****

```
SELECT TOP 1000 [ResourceID]
      ,[GroupID]
      ,[RevisionID]
      ,[AgentID]
      ,[TimeStamp]
      ,[ConfigurationTimeStamp0]
      ,[Connected0]
      ,[DeviceId0]
      ,[FirmwareVersion0]
      ,[LastPluggedInDateTime0]
      ,[MicrosoftLyncCertified0]
      ,[Name0]
      ,[NameTag0]
      ,[ProductId0]
      ,[SerialNumber0]
      ,[SKU0]
      ,[VendorId0]
  FROM [CM_P01].[dbo].[v_GS_JABRA_USBDEVICE] where Connected0 = 1
```

Properties

Current connection parameters

Aggregate Status	Connection failure
Elapsed time	00:00:00.1210002
Finish time	25-08-2015 09:36:53
Name	DKCPHSCCM110VM
Rows returned	8
Start time	25-08-2015 09:36:52
State	Open
Connection	Connection name DKCPHSCCM110VM (C
Connection Details	Connection elaps: 00:00:00.1210002
Connection finish	25-08-2015 09:36:53
Connection rows	8
Connection start	25-08-2015 09:36:52
Connection state	Open
Display name	DKCPHSCCM110VM
Login name	CORP\admindnsoejbjerg
Server name	DKCPHSCCM110VM
Server version	11.0.3153
Session Tracing ID	
SPID	87

Results Messages

ResourceID	GroupID	RevisionID	AgentID	TimeStamp	ConfigurationTimeStamp0	Connected0	DeviceId0	Firm
1	1677743	77	1	2015-08-24 14:09:52.000	0	1	\\\?hid#vid_0b0e&pid_a330&mi_03&col03#8&3579c0d8...	1.3
2	16778512	212	3	1	2015-08-24 02:47:41.000	0	\\\?hid#vid_0b0e&pid_a346&mi_03&col02#8&86718480...	1.2
3	16778829	590	4	1	2015-08-24 09:11:03.000	0	\\\?hid#vid_0b0e&pid_1042&mi_03&col02#9&730f14480...	3.1
4	16781622	18	1	1	2015-08-24 13:52:24.000	0	\\\?hid#vid_0b0e&pid_a345&mi_03&col02#7&92a1fe&0...	1.2
5	16782410	133	1	1	2015-08-24 16:38:57.000	0	\\\?hid#vid_0b0e&pid_030c&mi_03&col02#8&549528...	1.5
6	16782985	1	3	1	2015-08-24 09:44:40.000	0	\\\?hid#vid_0b0e&pid_0306&mi_03&col02#7&27e81e3d...	1.1
7	16782985	9	3	1	2015-08-24 09:44:40.000	0	\\\?hid#vid_0b0e&pid_1042&mi_03&col02#8&3759b5a...	3.8
8	16784172	32	37	1	2015-08-24 08:20:47.000	0	\\\?hid#vid_0b0e&pid_a346&mi_03&col02#8&397d08d2...	1.2

Name
The name of the connection.

Query executed successfully.

DKCPHSCCM110VM (11.0 SP1) | CORP\admindnsoejbjerg ... | master | 00:00:00 | 8 rows

Ln 19 Col 66 Ch 66 OVR

CONFIGURATION OF SCCM SERVER W.R.T JABRA WMI PROVIDER - CONTINUED

11. Save the reports/ results .

SQLQuery6.sql - DKCPHSCCM110VM.master (CORP\admindnsoejbjerg (87)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Debug Tools Window Help

New Query Execute Debug

master

Object Explorer

Properties

Current connection parameters

Aggregate Status

Connection failure
Elapsed time 00:00:00.1210002
Finish time 25-08-2015 09:36:53
Name DKCPHSCCM110VM
Rows returned 8
Start time 25-08-2015 09:36:52
State Open

Connection

Connection name DKCPHSCCM110VM (C...
Connection elaps... 00:00:00.1210002
Connection finish 25-08-2015 09:36:53
Connection rows 8
Connection start t 25-08-2015 09:36:52
Connection state Open
Display name DKCPHSCCM110VM
Login name CORP\admindnsoejbjerg
Server name DKCPHSCCM110VM
Server version 11.0.3153
Session Tracing IC
SPID 87

SQLQuery6.sql - DK...minsoejbjerg (87)*

```
***** Script for SelectTopNRows command from SSMS *****/
SELECT TOP 1000 [ResourceID]
    ,[GroupID]
    ,[RevisionID]
    ,[AgentID]
    ,[TimeStamp]
    ,[ConfigurationTimeStamp0]
    ,[Connected0]
    ,[DeviceId0]
    ,[FirmwareVersion0]
    ,[LastPluggedInDateTime0]
    ,[MicrosoftLyncCertified0]
    ,[Name0]
    ,[NameTag0]
    ,[ProductId0]
    ,[SerialNumber0]
    ,[SKU0]
    ,[VendorId0]
FROM [CM_P01].[dbo].[v_GS_JABRA_USBDEVICE] where Connected0 = 1
```

Results Messages

	TimeStamp	ConfigurationTimeStamp0	Connected0	DeviceId0	Firm...	
1	2015-08-24 14:09:52.000	0	1	\?\hid#vid_0b0e&pid_a330&mi_03&col03#8&35f79c0d&...	1.3	
2	2015-08-24 02:47:41.000	0	1	\?\hid#vid_0b0e&pid_a346&mi_03&col02#8&867118480...	1.24	
3	2015-08-24 09:11:03.000	0	1	\?\hid#vid_0b0e&pid_1042&mi_03&col02#94730f14480...	3.11	
4	2015-08-24 13:52:24.000	0	1	\?\hid#vid_0b0e&pid_a345&mi_03&col02#7f2a1fe&...	1.24	
5	2015-08-24 16:38:57.000	0	1	\?\hid#vid_0b0e&pid_030c&mi_03&col02#8854945288...	1.57	
6	2015-08-24 09:44:40.000	0	1	\?\hid#vid_0b0e&pid_0306&mi_03&col02#7f27a1e3d...	1.16	
7	2015-08-24 09:44:40.000	0	1	\?\hid#vid_0b0e&pid_1042&mi_03&col02#8&3759bb5a...	3.8	
8	16784172	32	37	1	\?\hid#vid_0b0e&pid_a346&mi_03&col02#8&397e08d2...	1.24

Query executed successfully.

DKCPHSCCM110VM (11.0 SP1) | CORP\admindnsoejbjerg ... | master | 00:00:00 | 8 rows

Name
The name of the connection.

Ready

Ln 1 Col 1

09:37 25-08-2015

WMI QUERY RESULTS EXPORTED TO EXCEL – ONLY CONNECTED DEVICES (ONLINE)

WMI - Query.csv - Excel

Sanju Mannare Sarasan

1	ResourceID	GroupId	RevisionID	AgentID	TimeStamp	Configured	Connected	DeviceId0	FirmwareVersion	LastPluggedInDate	MicrosoftLyncName0	NameTag0	ProductId0	SerialNumber0	SKU0	VendorId0
2	16777743	77	1	1	2015-08-24 14:09:52.000	0	1	\?\hid#vid_0b0e&pid_a330&mi_03&col03#&1.3.0	24-08-2015 17:09	0	Jabra A330		41776	19.15.78F50E		2830
3	16778512	212	3	1	2015-08-24 02:47:41.000	0	1	\?\hid#vid_0b0e&pid_a346&mi_03&col02#&1.24.0	24-08-2015 09:05	0	Jabra LINK 360		41798	1C48F9BD40C7	10-00038	2830
4	16778829	590	4	1	2015-08-24 09:11:03.000	0	1	\?\hid#vid_0b0e&pid_1042&mi_03&col02#&9.13.1	24-08-2015 08:05	1	Jabra PRO 9470	NULL	4162	0297BF4F80	9465-29-804-102	2830
5	16781622	18	1	1	2015-08-24 13:52:24.000	0	1	\?\hid#vid_0b0e&pid_a345&mi_03&col02#7&1.24.0		1	Jabra LINK 360	NULL	41797	1C48F99EC0D5	03-02155	2830
6	16782410	133	1	1	2015-08-24 16:38:57.000	0	1	\?\hid#vid_0b0e&pid_030c&mi_03&col02#8&1.57	24-08-2015 10:15	1	Jabra EVOLVE 65	NULL	780	1C48F9A1061B013900		2830
7	16782985	1	3	1	2015-08-24 09:44:40.000	0	1	\?\hid#vid_0b0e&pid_0306&mi_03&col02#7&1.16.0		0	Jabra EVOLVE LINK	NULL	774	00002B5CEC7C	7899-829-209	2830
8	16782985	9	3	1	2015-08-24 09:44:40.000	0	1	\?\hid#vid_0b0e&pid_1042&mi_03&col02#8&3.8.2		1	Jabra PRO 9460	NULL	4162	025EDFFF8	9460-29-707-101	2830
9	16784172	32	37	1	2015-08-24 08:20:47.000	0	1	\?\hid#vid_0b0e&pid_a346&mi_03&col02#8&1.24.0	24-08-2015 09:37	0	Jabra LINK 360	NULL	41798	1C48F9C1D1D8		2830
10																
11																
12																
13																
14																
15																
16																
17																
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24																
25																
26																



WMI QUERY RESULTS EXPORTED TO EXCEL – ONLY DISCONNECTED DEVICES (OFFLINE)



SCCM SERVER 2007

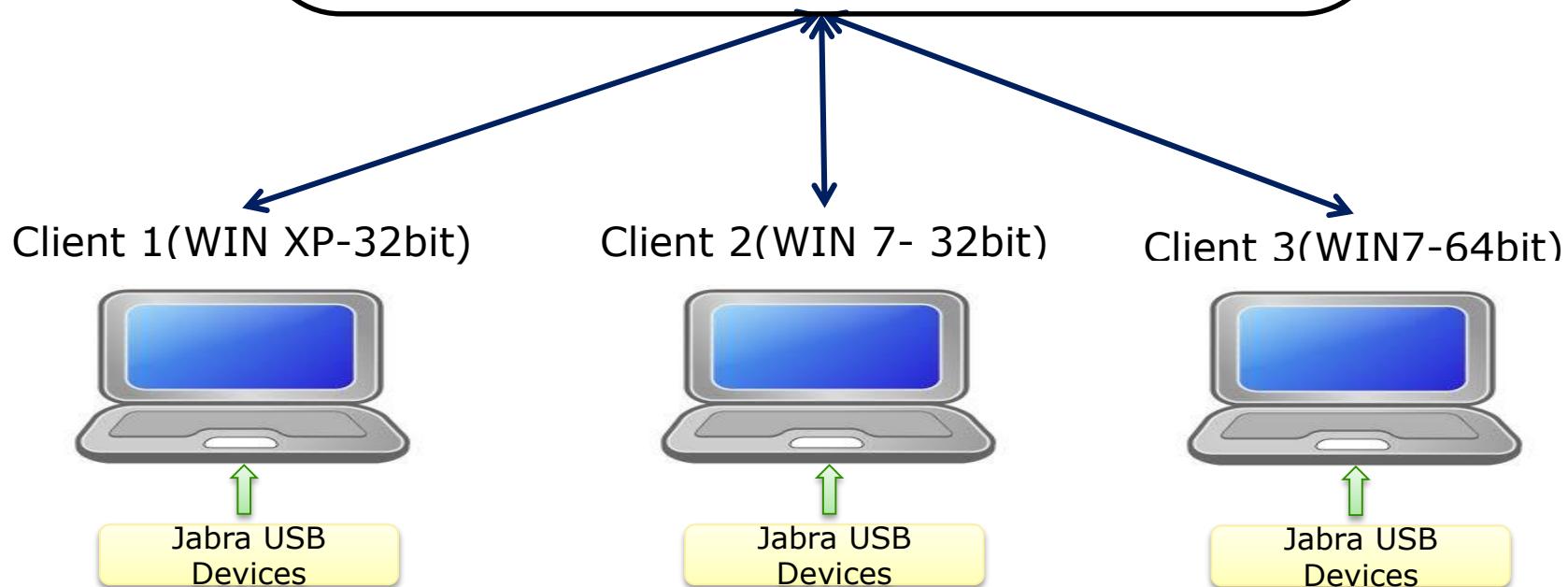
Test Setup Environment

- SCCM Server 2007 SP2
- Windows server 2008 R2 Enterprise
- SQL Server 2008 Enterprise + SP1

TEST SETUP

Domain Controller

(Windows Server 2008 R2, SQL Server 2008
and SCCM Server 2007 SP2 is installed)



Note: (SCCM client is installed in all Client PCs)

STEPS FOR TEST ENVIRONMENT SETUP

1. Install Windows Server 2008 R2 on a Test PC and configure as domain controller.
2. Install SCCM Server 2007 SP2 in domain controller and configure SCCM.
3. Join the clients (Client 1, Client 2 and Client 3) to the server (domain controller).
 - Client 1 : Win XP -32 bit
 - Client 2 : Win 7 – 32 bit
 - Client 3 : Win 7 – 64 bit
4. Install SCCM client on all client PCs by client push method from server.(domain controller)
5. Once the client is pushed from domain controller, all the clients are connected to the domain controller.
6. Install the Jabra WMI Provider on each client PCs.

STEPS FOR TEST ENVIRONMENT SETUP – CONTINUED

The screenshot shows the Configuration Manager Console interface. The left pane displays a navigation tree with various management categories like Client Installation Methods, 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, Software Metering, Reporting, Desired Configuration Management, and Queries. The right pane shows a table titled "All Systems" with the message "4 items found". The table has columns: Name, Resource Type, Domain, Site Code, Client, and Approved. The data is as follows:

Name	Resource Type	Domain	Site Code	Client	Approved
WIN-MU5RQKG2VE0	System	JABRA	WIN	Yes	Approved
A2MD16861	System	JABRA	WIN	Yes	Approved
A2MD16868	System	JABRA	WIN	Yes	Approved
A2MD16863	System	JABRA	WIN	Yes	Approved

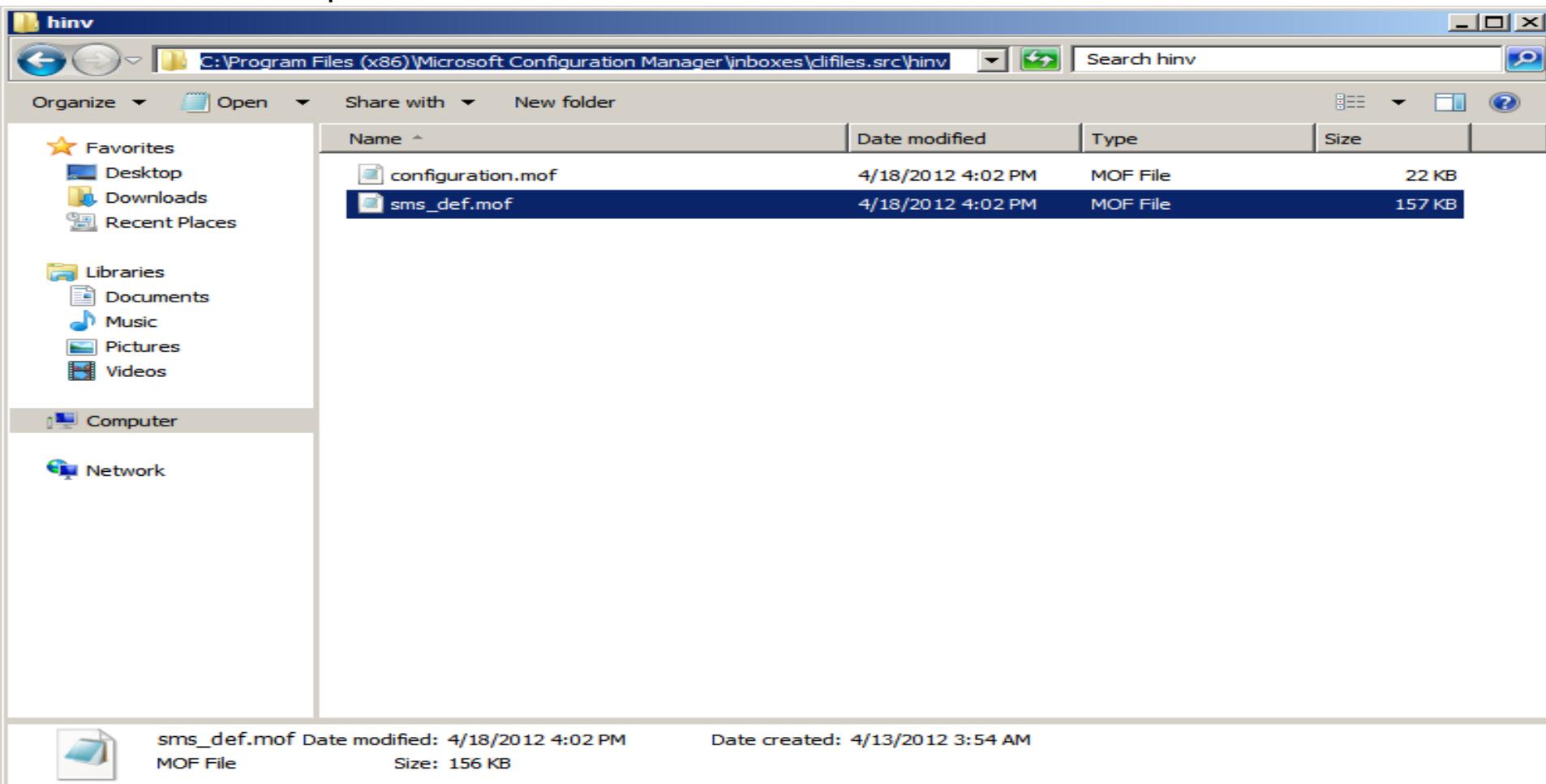
The Actions pane on the right lists various administrative actions: Show ..., Update ..., Install ..., Export..., New, Delete..., Distrib..., Transf..., Clear ..., Adver..., Assign..., Modify..., Out of..., Give F..., View, New ..., Delete, Refresh, Proper..., Help.

(All 3 clients are now connected to domain controller)

CONFIGURATION OF SCCM SERVER W.R.T JABRA WMI PROVIDER

STEPS:

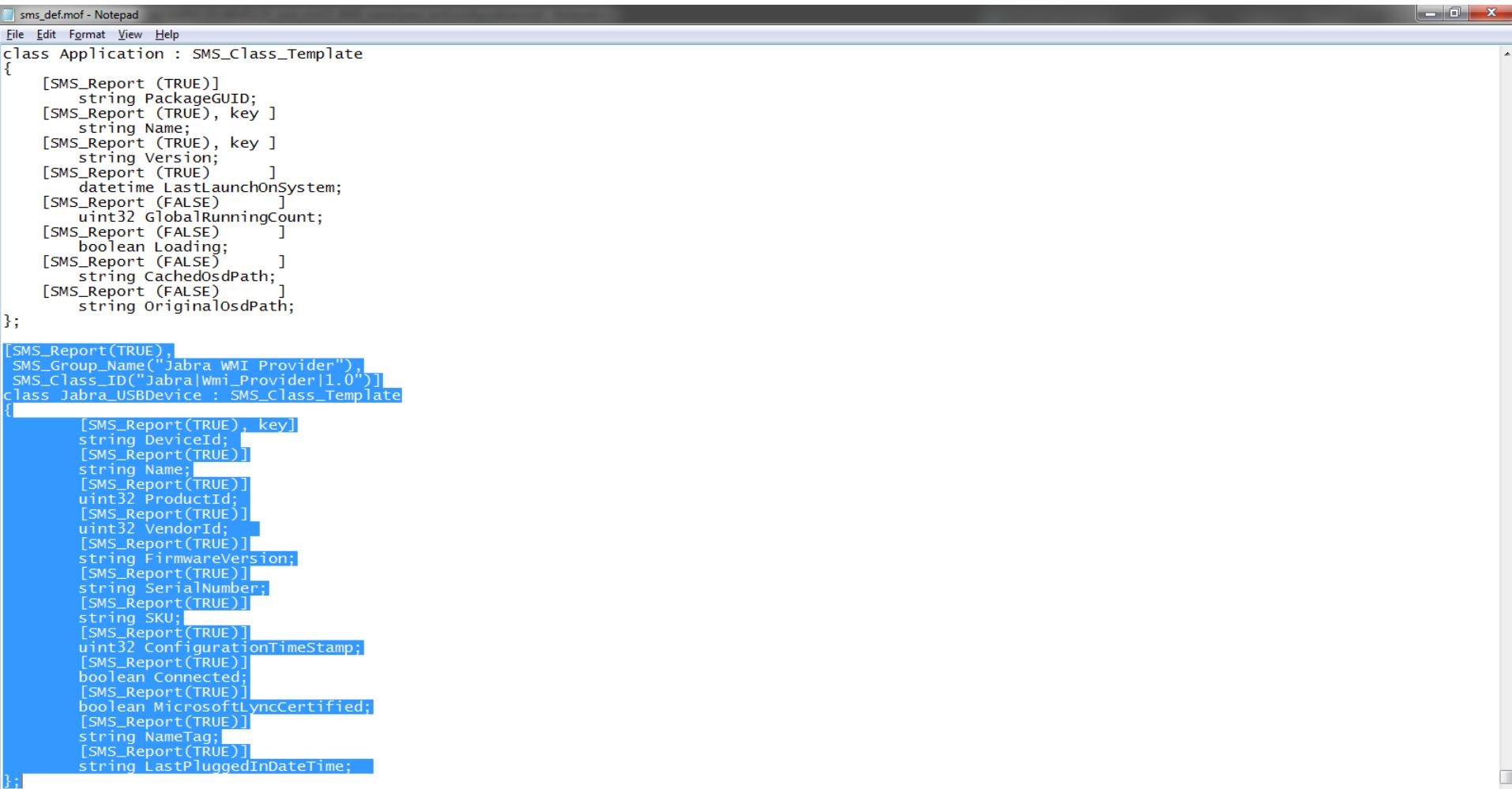
1. Once the above SCCM setup & configuration is done, then open the “[hinv](#)” folder as shown in below print screen.



CONFIGURATION OF SCCM SERVER W.R.T JABRA WMI PROVIDER - CONTINUED

2. Changes made to the configuration files located at the SCCM server

“C:\Program Files (x86)\Microsoft Configuration Manager\inboxes\clifiles.src\hinv”.



The screenshot shows a Windows Notepad window titled "sms_def.mof - Notepad". The content of the file is a MOF (Management Object Format) script defining two classes: "Application" and "Jabra_USBDevice".

```
File Edit Format View Help
class Application : SMS_Class_Template
{
    [SMS_Report (TRUE)]
    string PackageGUID;
    [SMS_Report (TRUE), key ]
    string Name;
    [SMS_Report (TRUE), key ]
    string Version;
    [SMS_Report (TRUE)      ]
    datetime LastLaunchOnSystem;
    [SMS_Report (FALSE)   ]
    uint32 GlobalRunningCount;
    [SMS_Report (FALSE)   ]
    boolean Loading;
    [SMS_Report (FALSE)   ]
    string CachedosdPath;
    [SMS_Report (FALSE)   ]
    string OriginalosdPath;
};

[SMS_Report(TRUE),
SMS_Group_Name("Jabra_WMI Provider"),
SMS_Class_IDC"Jabra\Wmi_Provider|1.0")]
class Jabra_USBDevice : SMS_Class_Template
{
    [SMS_Report(TRUE), key]
    string DeviceId;
    [SMS_Report(TRUE)]
    string Name;
    [SMS_Report(TRUE)]
    uint32 ProductId;
    [SMS_Report(TRUE)]
    uint32 VendorId;
    [SMS_Report(TRUE)]
    string FirmwareVersion;
    [SMS_Report(TRUE)]
    string SerialNumber;
    [SMS_Report(TRUE)]
    string SKU;
    [SMS_Report(TRUE)]
    uint32 ConfigurationTimeStamp;
    [SMS_Report(TRUE)]
    boolean Connected;
    [SMS_Report(TRUE)]
    boolean MicrosoftLyncCertified;
    [SMS_Report(TRUE)]
    string NameTag;
    [SMS_Report(TRUE)]
    string LastPluggedInDateTime;
};
```

CONFIGURATION OF SCCM SERVER W.R.T JABRA WMI PROVIDER - CONTINUED

```
[SMS_Report(TRUE),
SMS_Group_Name("Jabra WMI Provider"),
SMS_Class_ID("Jabra|Wmi_Provider|1.0"),
namespace ("\\\\\\\\\\\\.\\\\\\root\\\\\\Jabra")]
class Jabra_USBDevice : SMS_Class_Template
{
    [SMS_Report(TRUE), key]
    string DeviceId;
    [SMS_Report(TRUE)]
    string Name;
    [SMS_Report(TRUE)]
    uint32 ProductId;
    [SMS_Report(TRUE)]
    uint32 VendorId;
    [SMS_Report(TRUE)]
    string FirmwareVersion;
    [SMS_Report(TRUE)]
    string SerialNumber;
    [SMS_Report(TRUE)]
    string SKU;
    [SMS_Report(TRUE)]
    uint32 ConfigurationTimeStamp;
    [SMS_Report(TRUE)]
    boolean Connected;
    [SMS_Report(TRUE)]
    boolean MicrosoftLyncCertified;
    [SMS_Report(TRUE)]
    string NameTag;
    [SMS_Report(TRUE)]
    string LastPluggedInDateTime;
};
```

CONFIGURATION OF SCCM SERVER W.R.T JABRA WMI PROVIDER - CONTINUED

```
configuration.mof - Notepad
File Edit Format View Help
// Added extensions start
//=====
#pragma namespace ("\\\\.\Root\\cimv2")

instance of __Win32Provider as $JabraUSBDeviceWmiProvider
{
    Name      = "Jabra_USBDevice" ;
    ClsId     = "{A67B5663-2C1C-4D1D-88FF-44D19A3F7A4F}" ;
    DefaultMachineName = NULL;
    ClientLoadableCLSID = NULL;
    ImpersonationLevel = 0;
    InitializationReentrancy = 0;
    InitializeAsAdminFirst = FALSE;
    PerLocaleInitialization = FALSE;
    PerUserInitialization = FALSE;
    Pure = TRUE;
    UnloadTimeout = NULL;
};

instance of __InstanceProviderRegistration
{
    Provider = $JabraUSBDeviceWmiProvider;

    SupportsPut = "TRUE";
    SupportsGet = "TRUE";
    SupportsDelete = "TRUE";
    SupportsEnumeration = "TRUE";
};

// Define the Jabra USB Device class
[dynamic: ToInstance, provider("Jabra_USBDevice")]
class Jabra_USBDevice
{
    [read, key] string DeviceId;
    [read]      string Name;
    [read]      uint32 ProductId;
    [read]      uint32 VendorId;
    [read]      string FirmwareVersion;
    [read]      string SerialNumber;
    [read]      string SKU;
    [read]      uint32 ConfigurationTimeStamp;
    [read]      boolean Connected;
    [read]      boolean MicrosoftLyncCertified;
    [read]      string NameTag;
    [read]      string LastPluggedInDateTime;
};

//=====
// Added extensions end
//=====
```

CONFIGURATION OF SCCM SERVER W.R.T JABRA WMI PROVIDER - CONTINUED

```
#pragma namespace ("\\.\root\Jabra")

instance of __Win32Provider as $JabraUSBDeviceWmiProvider
{
    Name = "Jabra_USBDevice";
    ClsId = "{A67B5663-2C1C-4D1D-88FF-44D19A3F7A4F}";
    DefaultMachineName = NULL;
    ClientLoadableCLSID = NULL;
    ImpersonationLevel = 0;
    InitializationReentrancy = 0;
    InitializeAsAdminFirst = FALSE;
    PerLocaleInitialization = FALSE;
    PerUserInitialization = FALSE;
    Pure = TRUE;
    UnloadTimeout = NULL;
};

instance of __InstanceProviderRegistration
{
    Provider = $JabraUSBDeviceWmiProvider;

    SupportsPut = "TRUE";
    SupportsGet = "TRUE";
    SupportsDelete = "TRUE";
    SupportsEnumeration = "TRUE";
};

// Define the Jabra USB Device class
[dynamic: Toinstance, provider("Jabra_USBDevice")]
class Jabra_USBDevice
{
    [read, key] string DeviceId;
        [read] string Name;
        [read] uint32 ProductId;
        [read] uint32 VendorId;
        [read] string FirmwareVersion;
        [read] string SerialNumber;
        [read] string SKU;
        [read] uint32 ConfigurationTimeStamp;
        [read] boolean Connected;
        [read] boolean MicrosoftLyncCertified;
        [read] string NameTag;
        [read] string LastPluggedInDateTime;
};

};
```

CONFIGURATION OF SCCM SERVER W.R.T JABRA WMI PROVIDER - CONTINUED

- Once the changes made to the configuration file, check the correctness of the .mof files.

```
Administrator: Command Prompt
Microsoft Windows [Version 6.1.7600]
Copyright <c> 2009 Microsoft Corporation. All rights reserved.

C:\Users\Administrator>cd\

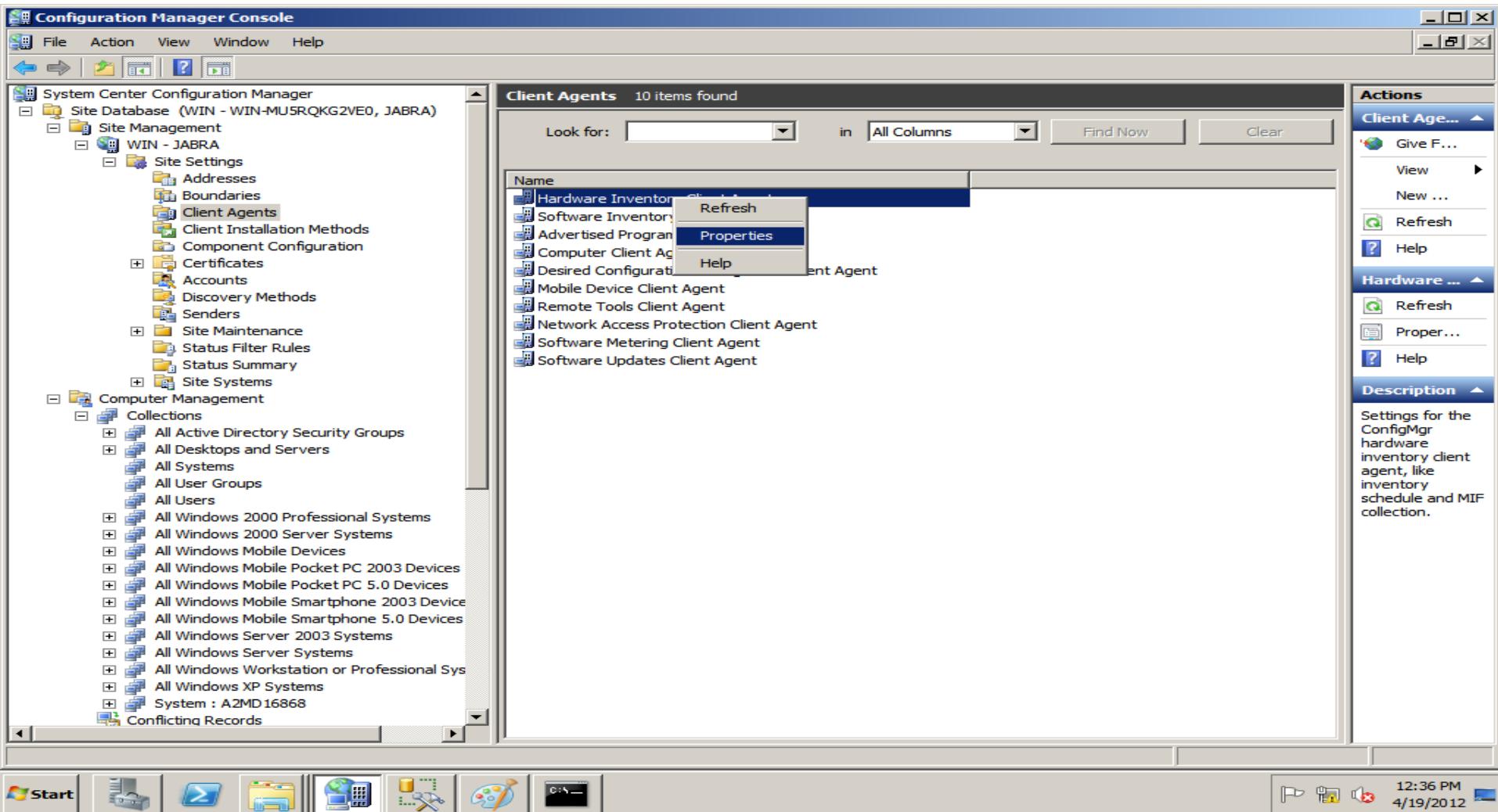
C:\>cd C:\Program Files (x86)\Microsoft Configuration Manager\inboxes\clifiles.src\hinv

C:\Program Files (x86)\Microsoft Configuration Manager\inboxes\clifiles.src\hinv>mofcomp -check sms_def.mof
Microsoft (R) MOF Compiler Version 6.1.7600.16385
Copyright (c) Microsoft Corp. 1997-2006. All rights reserved.
Parsing MOF file: sms_def.mof
MOF file has been successfully parsed
Syntax check complete.
WARNING: File sms_def.mof does not contain #PRAGMA AUTORECOVER.
If the WMI repository is rebuilt in the future, the contents of this MOF file will not be included in the new WMI repository.
To include this MOF file when the WMI Repository is automatically reconstructed, place the #PRAGMA AUTORECOVER statement on the first line of the MOF file.
Done!

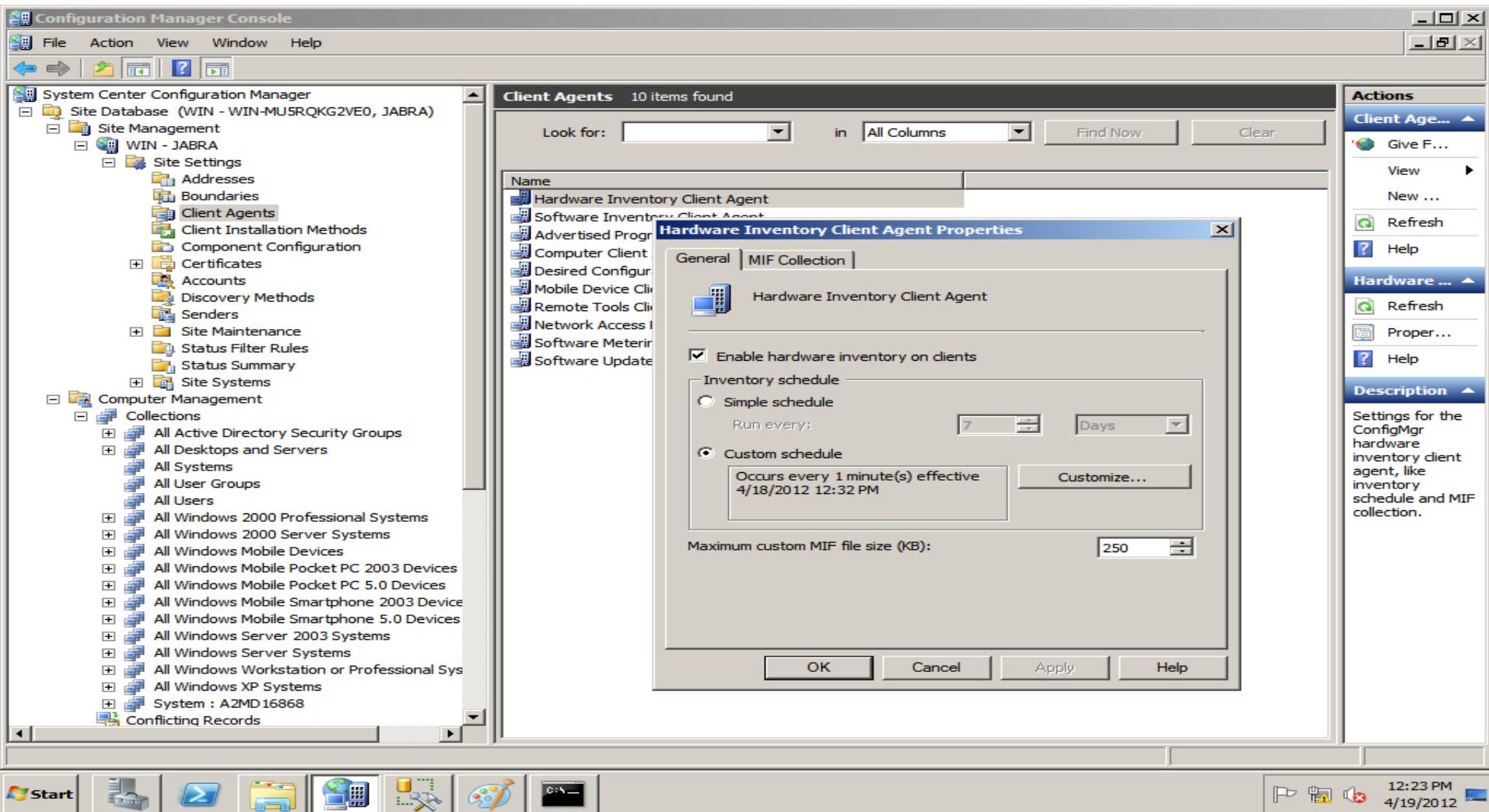
C:\Program Files (x86)\Microsoft Configuration Manager\inboxes\clifiles.src\hinv>
```

CONFIGURATION OF SCCM SERVER W.R.T JABRA WMI PROVIDER - CONTINUED

4. Enable Hardware Inventory for clients at SCCM server

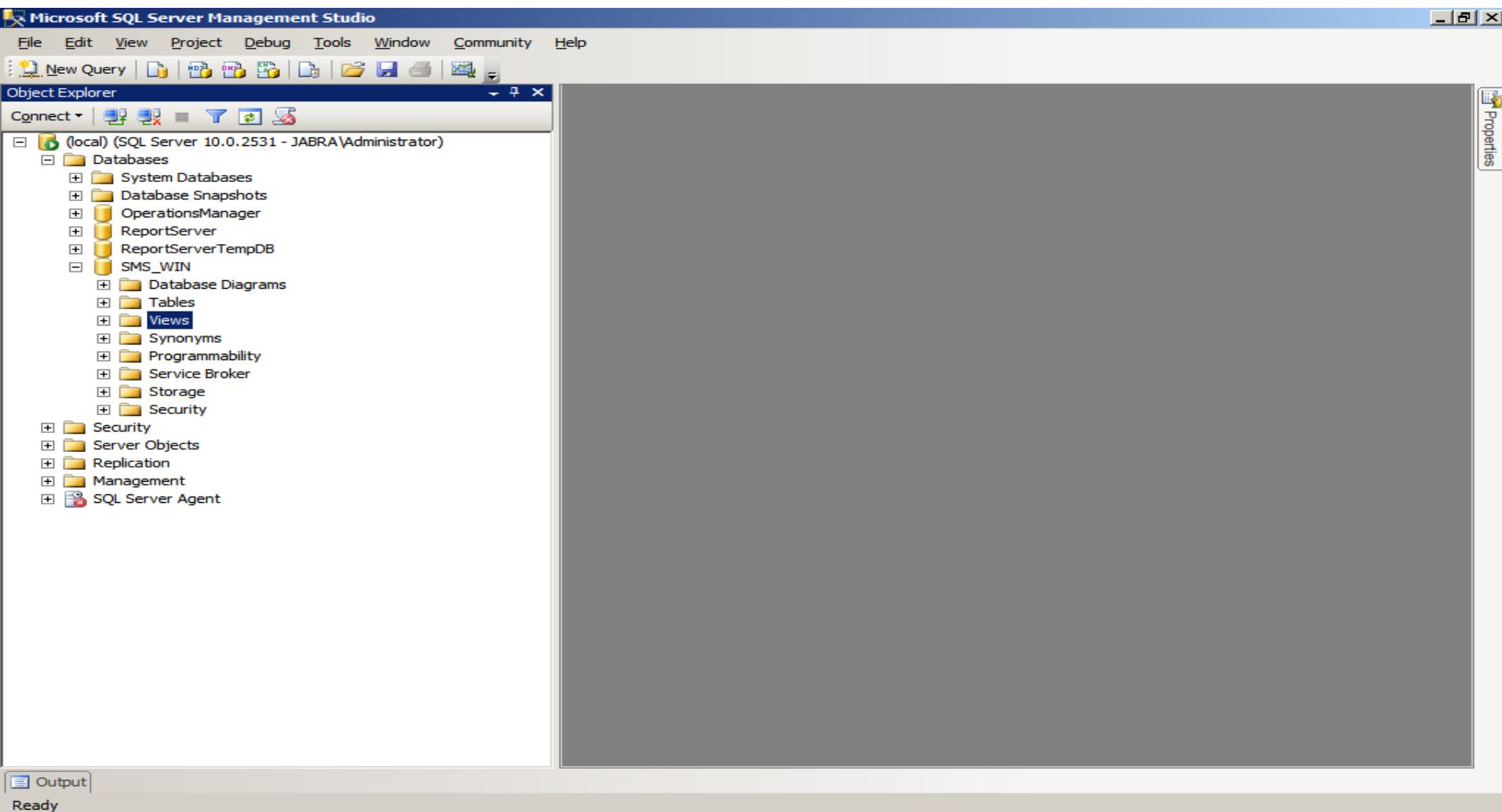


CONFIGURATION OF SCCM SERVER W.R.T JABRA WMI PROVIDER - CONTINUED



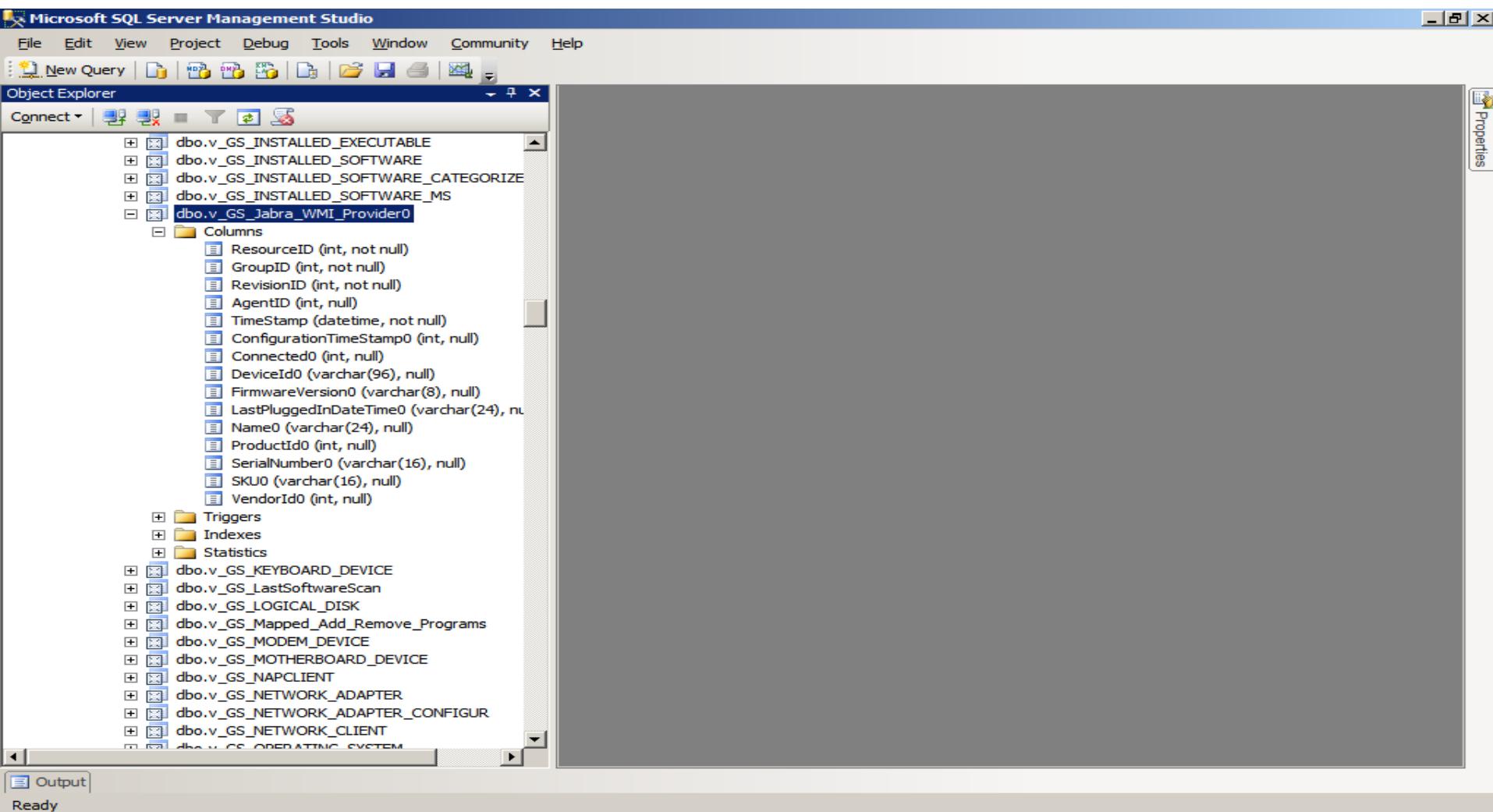
CONFIGURATION OF SCCM SERVER W.R.T JABRA WMI PROVIDER - CONTINUED

5. Open **SQL Server Management Studio** and click on **View**.



CONFIGURATION OF SCCM SERVER W.R.T JABRA WMI PROVIDER - CONTINUED

6. Click on database object of Jabra WMI Provider.



CONFIGURATION OF SCCM SERVER W.R.T JABRA WMI PROVIDER - CONTINUED

7. Query the Jabra USB Device information by executing the select command.

The screenshot shows the Microsoft SQL Server Management Studio interface. The title bar reads "Microsoft SQL Server Management Studio". The menu bar includes File, Edit, View, Project, Debug, Tools, Window, Community, and Help. The toolbar has icons for New Query, Connect, Object Explorer, Task List, Properties, and other management tools. The Object Explorer pane on the left lists several database objects under the schema "dbo": v_GS_INSTALLED_EXECUTABLE, v_GS_INSTALLED_SOFTWARE, v_GS_INSTALLED_SOFTWARE_CATEGORIZE, v_GS_INSTALLED_SOFTWARE_MS, and v_GS_Jabra_WMI_Provider. The v_GS_Jabra_WMI_Provider object is expanded, showing its columns: ResourceID, GroupID, RevisionID, AgentID, TimeStamp, ConfigurationTime, Connected0, DeviceId0, FirmwareVersion0, LastPluggedInDate, Name0, ProductId0, SerialNumber0, SKU0, and VendorId0. A context menu is open over the v_GS_Jabra_WMI_Provider view, with "Select Top 1000 Rows" highlighted. Other options in the menu include New View..., Design, Edit Top 200 Rows, Script View as, View Dependencies, Full-Text index, Policies, Facets, Start PowerShell, Reports, Rename, Delete, Refresh, and Properties. The status bar at the bottom shows "Ready" and the system tray indicates the date and time as 12:29 PM on 4/19/2012.

CONFIGURATION OF SCCM SERVER W.R.T JABRA WMI PROVIDER - CONTINUED

Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Community Help

New Query Execute

master

Object Explorer

SQLQuery5.sql (Administrator (54))

```
/* ***** Script for SelectTopNRows command from SSMS ***** */
SELECT TOP 1000 [ResourceID]
    , [GroupID]
    , [RevisionID]
    , [AgentID]
    , [TimeStamp]
    , [ConfigurationTimeStamp0]
    , [Connected0]
    , [DeviceId0]
    , [FirmwareVersion0]
    , [LastPluggedInDateTime0]
    , [Name0]
    , [ProductId0]
    , [SerialNumber0]
    , [SKU0]
    , [VendorId0]
FROM [SMS_WIN].[dbo].[v_GS_Jabra_WMI_Provider0]
```

Results Messages

Query executed successfully. (local) (10.0 SP1) JABRA\Administrator (54) master 00:00:00 15 rows

Ln 1 Col 1 Ch 1 INS

Start Output Ready

12:29 PM 4/19/2012

The screenshot shows the Microsoft SQL Server Management Studio interface. The left pane displays the Object Explorer with the 'master' database selected. Under the 'dbo' schema, several views are listed, including 'dbo.v_GS_INSTALLED_EXECUTABLE', 'dbo.v_GS_INSTALLED_SOFTWARE', 'dbo.v_GS_INSTALLED_SOFTWARE_CATEGORIZE', 'dbo.v_GS_INSTALLED_SOFTWARE_MS', and 'dbo.v_GS_Jabra_WMI_Provider0'. The 'dbo.v_GS_Jabra_WMI_Provider0' view is expanded, showing its columns: ResourceID, GroupID, RevisionID, AgentID, TimeStamp, ConfigurationTimeStamp0, Connected0, DeviceId0, FirmwareVersion0, LastPluggedInDateTime0, Name0, ProductId0, SerialNumber0, SKU0, and VendorId0. The right pane contains a query window titled 'SQLQuery5.sql (Administrator (54))' with the following T-SQL code:

```
/* ***** Script for SelectTopNRows command from SSMS ***** */
SELECT TOP 1000 [ResourceID]
    , [GroupID]
    , [RevisionID]
    , [AgentID]
    , [TimeStamp]
    , [ConfigurationTimeStamp0]
    , [Connected0]
    , [DeviceId0]
    , [FirmwareVersion0]
    , [LastPluggedInDateTime0]
    , [Name0]
    , [ProductId0]
    , [SerialNumber0]
    , [SKU0]
    , [VendorId0]
FROM [SMS_WIN].[dbo].[v_GS_Jabra_WMI_Provider0]
```

The status bar at the bottom indicates the query was executed successfully on the local instance (10.0 SP1) by JABRA\Administrator (54) in the master database, taking 00:00:00 and returning 15 rows.

CONFIGURATION OF SCCM SERVER W.R.T JABRA WMI PROVIDER - CONTINUED

8. Click on Execute button.

The screenshot shows the Microsoft SQL Server Management Studio interface. The title bar reads "Microsoft SQL Server Management Studio". The menu bar includes File, Edit, View, Query, Project, Debug, Tools, Window, Community, and Help. The toolbar has various icons for file operations like New Query, Open, Save, and Print. The Object Explorer on the left lists database objects such as tables (dbo.v_GS_INSTALLED_EXECUTABLE, dbo.v_GS_INSTALLED_SOFTWARE, etc.) and stored procedures (dbo.v_GS_Jabra_WMI_Provider0). The central pane displays the results of a query named "CopyQuery5.sql" run under the "Administrator (54)" context. The results grid shows 15 rows of data with columns: ResourceID, GroupID, RevisionID, AgentID, TimeStamp, ConfigurationTimeStamp0, Connected0, and DeviceId0. The "TimeStamp" column contains dates like "2012-04-19 10:26:12.000" and "2012-04-19 11:09:03.000". The "DeviceId0" column contains device identifiers starting with "\\\?\\HID#VID_0B01". The status bar at the bottom indicates "Query executed successfully." and provides session details: "(local) (10.0 SP1) JABRA\Administrator (54) master 00:00:00 15 rows". The bottom taskbar includes standard Windows icons for Start, Task View, File Explorer, Internet Explorer, Control Panel, and Task Manager, along with the date and time "12:34 PM 4/19/2012".

	ResourceID	GroupID	RevisionID	AgentID	TimeStamp	ConfigurationTimeStamp0	Connected0	DeviceId0
1	3	5	5	1	2012-04-19 10:26:12.000	0	0	\\\?\\HID#VID_0B01
2	3	7	8	1	2012-04-19 10:26:12.000	1234	0	\\\?\\hid#vid_0b0e&
3	3	8	7	1	2012-04-19 10:26:12.000	0	0	\\\?\\hid#vid_0b0e&
4	3	9	6	1	2012-04-19 10:26:12.000	30583	0	\\\?\\hid#vid_0b0e&
5	3	10	7	1	2012-04-19 10:26:12.000	0	0	\\\?\\hid#vid_0b0e&
6	3	11	3	1	2012-04-19 10:26:12.000	0	0	\\\?\\HID#VID_0B01
7	3	12	2	1	2012-04-19 11:06:39.000	0	0	\\\?\\hid#vid_0b0e&
8	4	6	14	1	2012-04-19 10:32:12.000	0	1	\\\?\\hid#vid_0b0e&
9	4	8	9	1	2012-04-19 10:25:01.000	0	0	\\\?\\hid#vid_0b0e&
10	4	9	9	1	2012-04-19 10:25:01.000	0	0	\\\?\\hid#vid_0b0e&
11	4	10	9	1	2012-04-19 10:25:01.000	0	0	\\\?\\hid#vid_0b0e&
12	4	11	9	1	2012-04-19 10:25:01.000	0	0	\\\?\\HID#VID_0B01
13	5	1	1	1	2012-04-19 11:09:03.000	30583	0	\\\?\\hid#vid_0b0e&
14	5	2	1	1	2012-04-19 11:09:03.000	0	0	\\\?\\HID#VID_0B01
15	5	3	1	1	2012-04-19 11:42:36.000	0	1	\\\?\\hid#vid_0b0e&

CONFIGURATION OF SCCM SERVER W.R.T JABRA WMI PROVIDER - CONTINUED

The screenshot shows the Microsoft SQL Server Management Studio (SSMS) interface. The top menu bar includes File, Edit, View, Project, Debug, Tools, Window, Community, and Help. The toolbar contains icons for New Query, Connect, Execute, and various database management functions.

The Object Explorer on the left lists several database objects under the schema [dbo]. These include views like v_GS_INSTALLED_EXECUTABLE, v_GS_INSTALLED_SOFTWARE, v_GS_INSTALLED_SOFTWARE_CATEG, v_GS_INSTALLED_SOFTWARE_MS, and v_GS_Jabra_WMI_Provider, along with their corresponding columns and triggers.

The central pane displays a query window titled "SQLQuery5.sql - [administrator (54)]". The query retrieves data from the view [v_GS_Jabra_WMI_Provider0] in the [SMS_WIN].[dbo] schema. The results are shown in a table format:

	ConfigurationTimeStamp0	Connected0	DeviceId0	FirmwareVersion0	LastPluggedInDateTime0
1	0	0	\\?\HID#VID_0B0E&PID_2007&MI_03&Col01#7&10e70d95&0&0...	1.00	18/04/2012 12:34:56
2	1234	0	\\?\hid#vid_0b0e&pid_1017&mi_03&col02#7&1ca00ba5&0&0001...	1.14.0	18/04/2012 12:34:56
3	0	0	\\?\hid#vid_0b0e&pid_1017&mi_03&col02#7&283cc038&0&0001...	1.50.0	18/04/2012 12:34:56
4	30583	0	\\?\hid#vid_0b0e&pid_a340&mi_03&col02#7&1c5c6523&0&0001...	4.5.8	18/04/2012 12:34:56
5	0	0	\\?\hid#vid_0b0e&pid_091c&mi_03&col02#7&2810fd02&0&0001...	1.30.2	18/04/2012 12:34:56
6	0	0	\\?\HID#VID_0B0E&PID_2007&MI_03&Col01#7&293b21b4&0&0...	1.00	18/04/2012 12:34:56
7	0	0	\\?\hid#vid_0b0e&pid_a340&mi_03&col02#7&109320de&0&0001...	4.5.8	19/04/2012 12:34:56
8	0	1	\\?\hid#vid_0b0e&pid_a340&mi_03&col03#7&2e2cd064&0&0002...	3.2.4	19/04/2012 12:34:56
9	0	0	\\?\hid#vid_0b0e&pid_0412&mi_03&col02#7&27605b56&0&0001...	1.3.0	18/04/2012 12:34:56
10	0	0	\\?\hid#vid_0b0e&pid_1041&mi_03&col02#7&218c5c40&0&0001...	3.6.0	18/04/2012 12:34:56
11	0	0	\\?\hid#vid_0b0e&pid_a340&mi_03&col02#7&1660eb8&0&0001...	4.5.8	18/04/2012 12:34:56
12	0	0	\\?\HID#Vid_0b0e&Pid_9350&MI_03#7&1b1d95ac&0&0000#(4d...)	1.00	18/04/2012 12:34:56
13	30583	0	\\?\hid#vid_0b0e&pid_a340&mi_03&col02#7&e1ec9c2&0&0001...	4.5.8	04/05/2012 12:34:56
14	0	0	\\?\HID#VID_0R0F&PID_2007&MI_03&Col02#7&20f58fc&0&00	1.00	11/05/2012 12:34:56

The status bar at the bottom indicates the query was executed successfully, with details: (local) (10.0 SP1), JABRA\Administrator (54), master, 00:00:00, 15 rows.

CONFIGURATION OF SCM SERVER W.R.T JABRA WMI PROVIDER - CONTINUED

9. Query only offline device information.

Screenshot of Microsoft SQL Server Management Studio (SSMS) showing a query results window.

The query executed is:

```
SELECT TOP 1000 [ResourceId]
      ,[GroupID]
      ,[RevisionID]
      ,[AgentID]
      ,[TimeStamp]
      ,[ConfigurationTimeStamp0]
      ,[Connected0]
      ,[DeviceId0]
      ,[FirmwareVersion0]
      ,[LastPluggedInDateTime0]
      ,[Name0]
      ,[ProductId0]
      ,[SerialNumber0]
      ,[SKU0]
      ,[VendorId0]
  FROM [SMS_WIN].[dbo].[v_GS_Jabra_WMI_Provider0] where Connected0=0
```

The results table shows the following data:

	ConfigurationTimeStamp0	Connected0	DeviceId0	FirmwareVersion0	LastPluggedInDateTime0
1	0	0	\\?\HID#VID_0B0E&PID_2007&MI_03&Col01#7&10e70d95...	1.00	18/04/...
2	1234	0	\\?\hid#vid_0b0e&pid_1017&mi_03&col02#7&1ca00ba5&0...	1.14.0	18/04/...
3	0	0	\\?\hid#vid_0b0e&pid_1017&mi_03&col02#7&283cc038&0...	1.50.0	18/04/...
4	30583	0	\\?\hid#vid_0b0e&pid_a340&mi_03&col02#7&1c5c652380...	4.5.8	18/04/...
5	0	0	\\?\hid#vid_0b0e&pid_091c&mi_03&col02#7&2810fd02&0...	1.30.2	18/04/...
6	0	0	\\?\HID#VID_0B0E&PID_2007&MI_03&Col01#7&293b21b4...	1.00	18/04/...
7	0	0	\\?\hid#vid_0b0e&pid_a340&mi_03&col02#7&109320de&0...	4.5.8	19/04/...
8	0	0	\\?\hid#vid_0b0e&pid_0412&mi_03&col02#7&27605b56&0...	1.3.0	18/04/...

Message bar at the bottom: "Query executed successfully."

System tray icons: Start button, Taskbar, and Date/Time (12:54 PM, 4/19/2012).

CONFIGURATION OF SCCM SERVER W.R.T JABRA WMI PROVIDER - CONTINUED

10. Query only online device information.

The screenshot shows the Microsoft SQL Server Management Studio (SSMS) interface. The left pane displays the Object Explorer with various database objects like tables and stored procedures. The right pane shows a query window titled 'SQLQuery5.sql' with the following script:

```
***** Script for SelectTopNRows command from SSMS *****/
SELECT TOP 1000 [ResourceID]
    , [GroupID]
    , [RevisionID]
    , [AgentID]
    , [TimeStamp]
    , [ConfigurationTimeStamp0]
    , [Connected0]
    , [DeviceId0]
    , [FirmwareVersion0]
    , [LastPluggedInDateTime0]
    , [Name0]
    , [ProductId0]
    , [SerialNumber0]
    , [SKU0]
    , [VendorId0]
FROM [SMS_WIN].[dbo].[v_GS_Jabra_WMI_Provider0] WHERE Connected0=1
```

The results pane shows two rows of data:

	ResourceID	GroupID	RevisionID	AgentID	TimeStamp	ConfigurationTimeStamp0	Connected0	DeviceId0
1	4	6	14	1	2012-04-19 10:32:12.000	0	1	\?\hid#vid_0b0e&
2	5	3	1	1	2012-04-19 11:42:36.000	0	1	\?\hid#vid_0b0e&

At the bottom, a status bar indicates: 'Query executed successfully.' and '(local) (10.0 SP1) JABRA\Administrator (54) master 00:00:00 | 2 rows'.

CONFIGURATION OF SCCM SERVER W.R.T JABRA WMI PROVIDER - CONTINUED

11. Save the reports/ results .

Screenshot of Microsoft SQL Server Management Studio (SSMS) showing the results of a query against the Jabra WMI Provider.

The query executed is:

```
SELECT [Connected0]
      ,[DeviceId0]
      ,[FirmwareVersion0]
      ,[LastPluggedInDateTime0]
      ,[Name0]
      ,[ProductId0]
      ,[SerialNumber0]
      ,[SKU0]
      ,[VendorId0]
  FROM [SMS_WIN].[dbo].[v_GS_Jabra_WMI_Provider0]
```

The results grid displays the following data:

	ConfigurationTimeStamp0	Connected0	DeviceId0	FirmwareVersion0	LastPluggedInDateTime0
1	Copy	0	\\\?\HID#VID_0B0E&PID_2007&MI_03&Col01#7&10e70d95&0&0...	1.00	18/01/2012 10:00:00
2	Copy with Headers	0	\\\?\hid#vid_0b0e&pid_1017&mi_03&col02#7&1ca00ba5&0&0001...	1.14.0	18/01/2012 10:00:00
3	Select All	0	\\\?\hid#vid_0b0e&pid_1017&mi_03&col02#7&283cc038&0&0001...	1.50.0	18/01/2012 10:00:00
4	Save Results As...	0	\\\?\hid#vid_0b0e&pid_a340&mi_03&col02#7&1c5c6523&0&0001...	4.5.8	18/01/2012 10:00:00
5	Page Setup...	0	\\\?\hid#vid_0b0e&pid_091c&mi_03&col02#7&2810fd02&0&0001#...	1.30.2	18/01/2012 10:00:00
6	Print...	0	\\\?\HID#VID_0B0E&PID_2007&MI_03&Col01#7&293b21b4&0&0...	1.00	18/01/2012 10:00:00
7		0	\\\?\hid#vid_0b0e&pid_a340&mi_03&col02#7&109320de&0&0001...	4.5.8	19/01/2012 10:00:00
8	0	1	\\\?\hid#vid_0b0e&pid_a340&mi_03&col03#7&2e2cd064&0&0002...	3.2.4	19/01/2012 10:00:00
9	0	0	\\\?\hid#vid_0b0e&pid_0412&mi_03&col02#7&27605b56&0&0001...	1.3.0	18/01/2012 10:00:00
10	0	0	\\\?\hid#vid_0b0e&pid_1041&mi_03&col02#7&218c5c40&0&0001...	3.6.0	18/01/2012 10:00:00
11	0	0	\\\?\hid#vid_0b0e&pid_a340&mi_03&col02#7&1660eb8f&0&00001#...	4.5.8	18/01/2012 10:00:00
12	0	0	\\\?\HID#VID_0b0e&Pid_9350&MI_03#7&1b1d95ac&0&0000#{4d...	1.00	18/01/2012 10:00:00
13	30583	0	\\\?\hid#vid_0b0e&pid_a340&mi_03&col02#7&e1ec9c2&0&0001#...	4.5.8	04/01/2012 10:00:00
14	0	0	\\\?\HID#VID_0RNFA&PID_2007&MI_03&Col02#7&20ff59f&0&00...	1.00	11/01/2012 10:00:00

Message bar at the bottom: Query executed successfully.

Bottom status bar: (local) (10.0 SP1) JABRA\Administrator (54) master 00:00:00 15 rows

Bottom right corner: 12:31 PM 4/19/2012



WMI QUERY RESULTS EXPORTED TO EXCEL – ONLY CONNECTED DEVICES (ONLINE)

WMI QUERY RESULTS EXPORTED TO EXCEL – ONLY DISCONNECTED DEVICES (OFFLINE)

Worksheet in MS SCCM test of Jabra WMI provider 2 - Microsoft Excel

The screenshot shows a Microsoft Excel spreadsheet titled "Worksheet in MS SCCM test of Jabra WMI provider 2 - Microsoft Excel". The data is presented in a table with the following columns:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	ResourceID	GroupID	RevisionID	AgentID	TimeStam	Configura	Connecte	DeviceID	0	Firmware	LastPluggedIn	Date	Name	ProductID	SerialNumber	SKU	VendorID
2	3	7	8	1	26:12,0	1234	0	0 \\?\hid#vid1.14.0		18-04-2012 14:35	Jabra PRO 930	4119	01914024F0	930-25-50	2830		
3	3	8	7	1	26:12,0	0	0	0 \\?\hid#vid1.50.0		18-04-2012 14:40	Jabra PRO 930	4119	191402260	930-25-50	2830		
4	3	10	7	1	26:12,0	0	0	0 \\?\hid#vid1.30.2		18-04-2012 14:47	Jabra BIZ 2400 US	2332	002378E46E12	NULL	2830		
5	3	11	3	1	26:12,0	0	0	0 \\?\HID#V	1	18-04-2012 14:17	GN 2000 USB OC	8199	NULL	NULL	2830		
6	3	12	2	1	06:39,0	0	0	0 \\?\hid#vid4.5.8		19-04-2012 11:05	Jabra GO 6430	41792	9F0B000D2100	NULL	2830		
7	4	8	9	1	25:01,0	0	0	0 \\?\hid#vid1.3.0		18-04-2012 14:34	Jabra SPEAK 410	1042	0023781E6A1D	NULL	2830		
8	4	9	9	1	25:01,0	0	0	0 \\?\hid#vid1.3.6.0		18-04-2012 14:44	Jabra PRO 9470	4161	0115807EC0	NULL	2830		
9	4	10	9	1	25:01,0	0	0	0 \\?\hid#vid4.5.8		18-04-2012 14:18	Jabra LINK 350	41792	9F0B000D2100	NULL	2830		
10	4	11	9	1	25:01,0	0	0	0 \\?\HID#V	1	18-04-2012 14:51	GN 9350	37712	0	NULL	2830		
11	5	1	1	1	09:03,0	30583	0	0 \\?\hid#vid4.5.8		04-04-2012 15:09	Jabra GO 6430	41792	910A000D2100	NULL	2830		
12	5	2	1	1	09:03,0	0	0	0 \\?\HID#V	1	11-04-2012 16:09	GN 2000 USB OC	8199	NULL	NULL	2830		
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	
25																	
26																	
27																	

The table contains 12 rows of data, each representing a disconnected device. The columns include ResourceID, GroupID, RevisionID, AgentID, TimeStam, Configura, Connecte, DeviceID, Firmware, LastPluggedIn, Date, Name, ProductID, SerialNumber, SKU, and VendorID. The data shows various Jabra devices like PRO 930, BIZ 2400, and GO 6430, all listed as offline (0 in the Connecte column).



Thank you