

Changing the HP Systems Insight Manager 5.0 system name and password



Table of Contents

Table of Contents.....	2
Abstract.....	3
Introduction.....	3
Getting started.....	3
Target audience.....	3
After Changing Only the IP Address of the CMS.....	4
After Changing Only the Hostname of the CMS.....	4
Manage the Systems with a New Certificate from the Modified HP Systems Insight Manager System Name	6
After Changing the IP Address and the Hostname of the CMS.....	6
Manage the Systems with a New Certificate from the Modified HP Systems Insight Manager System Name	9
Changing Passwords.....	9
After Changing the Database Password and the HP SIM Password.....	9
After Changing Only the Database Password.....	9
For more information.....	11
Microsoft SQL Server 2000 Enterprise Edition.....	11
HP Systems Insight Manager 5.0.....	11

Abstract

This white paper is intended to assist IT professionals in changing the HP Systems Insight Manager (HP SIM) 5.0 environment on Windows systems. The same is explained considering the three following scenarios.

- Changing the IP address of the central management server (CMS)
- Changing the hostname of the CMS
- Changing both IP address and hostname of the CMS
- Changing Passwords

Introduction

The functioning of HP Systems Insight Manager 5.0 is tightly integrated with the IP address and the hostname of the system on which it is installed. If any of these or both of these are changed then it is mandatory to do the work around as explained in this document for the smooth functioning of HP Systems Insight Manager 5.0.

Getting started

Target audience

It is assumed that readers of this document have an excellent understanding of the following concepts and services:

- Basic Microsoft® Windows® 2000 services
- Basic Microsoft Windows host configuration
- Basic ODBC configuration
- TCP/IP and DNS network concepts

In addition, readers must be familiar with installing and administering these products and their service packs:

- Microsoft Windows 2000 Server/Advanced Server, Microsoft Windows Server 2003 Standard/ Enterprise Edition
- Microsoft SQL Server 2000 Enterprise Edition
- HP Systems Insight Manager 5.0

Important: It is recommended that you remove all WBEM subscriptions before changing the IP address. To remove WBEM subscriptions, run the `mxwbemsub -r` command. After the IP address is changed, and then you can re-add the WBEM subscriptions. If you do not remove the WBEM subscriptions before changing the IP address, you will no longer receive WBEM events for registered items and you may not be able to re-add them after the IP address has been changed.

After Changing Only the IP Address of the CMS

After changing only the IP address of the CMS:

1. Update the host name entry in the DNS table on the DNS server if required.
2. Go to Control Panelà Administrative Toolsà Services and stop and restart the following services:
 - HP Systems Insight Manager service
 - HP Virtual Machine Management service
 - HP Virtual Machine Management Web service
 - HP Performance Management Pack service
 - HP PMP Tools service

After Changing Only the Hostname of the CMS

After changing the hostname of the CMS:

Note: After changing the hostname of the CMS, restart the server when you are prompted.

1. Go to Control Panelà Administrative Toolsà Services and stop the HP Systems Insight Manager service.
2. Stop the following services:
 - HP Systems Insight Manager service
 - HP Virtual Machine Management service
 - HP Virtual Machine Management Web service
 - HP PMP Tools service
 - HP Performance management Pack service

Note: Step 3 must be performed only if the SQL Server is running locally or if SQL Server is renamed.

3. Follow the instructions provided at:

http://msdn.microsoft.com/library/default.asp?url=/library/en-us/instsql/in_afterinstall_5r8f.asp

Note: Steps 3-11 should be performed only if SQL Server is running on the same machine where HP Systems Insight Manager is installed. If SQL Server is running on a remote machine, these steps are not necessary.

Note: If Remote SQL server name is changed, then Steps 3-11 need to be performed to reflect the new Remote SQL server name.

4. Open the database.props file located in the <HP SIM Install folder>\config\ using Notepad.
 - Edit the hp.Database.hostName entry to reflect the new hostname.

- Edit the hp.database.instance entry to reflect the new hostname.
 - Edit the hp.database.username entry to reflect the new hostname.
5. Go to Control Panel → Administrative Tools → Data Sources (ODBC) and click the System DSN tab.
 6. Select the Insight_v1_0 DSN and click Configure.
 7. From the Microsoft SQL Server DSN Configuration screen, select the new host name from the dropdown list and then complete the configuration without making any further changes.
 8. Select the Insight_v50_0 DSN and click Configure.
 9. From the Microsoft SQL Server DSN Configuration screen, select the new host name from the dropdown list and complete the configuration without making any further changes.
 10. Select the vmm_db_v1 DSN and click Configure.
 11. From the Microsoft SQL Server DSN Configuration screen, select the new host name from the dropdown list and complete the configuration without making any further changes.
 12. Open the globalsettings.props file located in <HP SIM install directory>/config folder and make a note of the value associated with the key named CMSDeviceKey.
 13. Open SQL Query Analyzer, select the HP Systems Insight manager database from the dropdown list (for example, 'Insight_v50_XXXXXX') and execute the following SQL Queries against the it:
 1. Update devices set name='<new hostname>' where devicekey=<CMSDeviceKey's value>
 2. Update hpmxuser set PersistedName='<new hostname>\administrator' where PersistedName='<old hostname>\administrator'
 3. Update hpmxuser set PersistedName='<new hostname>\mxadmin' where PersistedName='<old hostname>\mxadmin'
 4. Update hpmxuser set PersistedName='<new hostname>\handyman' where PersistedName='<old hostname>\handyman'
 5. Execute the following Query repeatedly, if required, for all the other local users where <username> is the username for each local user created in HP Systems Insight Manager


```
Update hpmxuser set PersistedName='<new hostname>\<username>' where PersistedName='<old hostname>\<username>'
```

Note: The above query need not be executed for domain users
 6. Update tasks set createdbyuser=replace(createdbyuser,'<old hostname>','<new hostname>')
 7. Update tasks set modifiedbyuser=replace(modifiedbyuser,'<old hostname>','<new hostname>')

8. Update tasks set ownedbyuser=replace(ownedbyuser,'<old hostname>','<new hostname>')
14. Go to Control Panelà Administrative Toolsà Services and start the following services:
 - HP Systems Insight Manager service
 - HP Performance Management Pack service
 - HP PMP Tools service
 - HP Virtual Machine Management Service
 - HP Virtual Machine Management Web Service
15. If the CMS is a Virtual Machine Host managed by VMM, un-register the virtual machine host using the old host name and re-register it using the new host name.

To un-register and re-register, enter the following from the command prompt:

```
C:\>cd <VMM installation path>\bin  
C:\<VMM installation Parh>\bin>vmcli -unregisterAgent vmm://<old  
hostname>  
C:\<VMM installation Path>\bin>vmcli -registerAgent vmm://<new  
hostname>
```

Manage the Systems with a New Certificate from the Modified HP Systems Insight Manager System Name

Perform the following steps only if you want to manage the systems with a new HP Systems Insight Manager certificate with the modified system name:

1. Login to HP Systems Insight Manager 5.0 with administrative privilege and go to Optionsà Securityà Certificatesà Server Certificate and click New.
2. From the new server certificate creation page, enter valid details including the new hostname, and click OK. A new certificate is created.
3. Go to Configureà Configure or Repair Agents.
 - a. In step 1, select all Windows systems to be managed using this CMS.
 - b. In step 2, supply the login credentials.
 - c. In step 3, select only Trust relationship Set to "Trust by Certificate" and click Run Now.

Note: Step 3 is not valid for managed systems that run Linux. You must configure the individual systems manually.

After Changing the IP Address and the Hostname of the CMS

Perform the following steps after changing the IP address and hostname of the CMS. Restart the CMS when prompted.

1. Go to Control Panel → Administrative Tools → Services and stop the following services:

- HP Systems Insight Manager service
- HP Performance Management Pack service
- HP PMP Tools service
- HP Virtual Machine Management Service
- HP Virtual Machine Management Web Service.

Note: The following step must be performed only if the SQL Server is running locally or if SQL Server is renamed.

2. Follow the instructions provided at:

http://msdn.microsoft.com/library/default.asp?url=/library/en-us/instsql/in_afterinstall_5r8f.asp

Note: Steps 3-11 should be done only if SQL Server is running on the same machine where HP Systems Insight Manager is installed. If SQL Server is running on a remote machine, these steps are unnecessary.

Note: If the Remote SQL server name is changed, then Steps 3-10 must be performed to reflect the new Remote SQL server name.

3. Open the database.props file located in <HP SIM Install folder>\config\ using Notepad.
 - Edit the hp.Database.hostName entry to reflect the new hostname.
 - Edit the hp.database.instance entry to reflect the new hostname.
 - Edit the hp.database.username entry to reflect the new hostname.
4. Go to Control Panel → Administrative Tools → Data Sources (ODBC) and click the System DSN tab.
5. Select the Insight_v1_0 DSN and click Configure.
6. From the Microsoft SQL Server DSN Configuration screen, select the new host name from the dropdown list and then complete the configuration without making any further changes.
7. Select the Insight_v50_0 DSN and click Configure.
8. From the Microsoft SQL Server DSN Configuration screen, select the new host name from the dropdown list and then complete the configuration without making any further changes.
9. Select the vmm_db_v1 DSN and click Configure.
10. From the Microsoft SQL Server DSN Configuration screen, select the new host name from the dropdown list and complete the configuration without making any further changes.
11. Open the globalsettings.props file located in <HP SIM install directory>/config folder and make a note of the value associated with the CMSDeviceKey key.

12. Open SQL Query Analyzer and execute the following SQL Queries against the HP Systems Insight Manager database:

- a. Update devices set name='<new hostname>' where devicekey=<CMSDeviceKey's value>
- b. Update ipaddress set ipaddress='<new ip address>' where devicekey=<CMSDeviceKey's value> and ipaddress='<old ip address>'
- c. Update hpmxuser set PersistedName='<new hostname>\administrator' where PersistedName='<old hostname>\administrator'
- d. Update hpmxuser set PersistedName='<new hostname>\mxadmin' where PersistedName='<old hostname>\mxadmin'
- e. Update hpmxuser set PersistedName='<new hostname>\handyman' where PersistedName='<old hostname>\handyman'
- f. Execute the following Query repeatedly, if required, for all the other local users created in HP Systems Insight Manager
Update hpmxuser set PersistedName='<new hostname>\<username>' where PersistedName='<old hostname>\<username>'

Note: It is not necessary to run this query for domain users.

- g. Update tasks set createdbyuser=replace(createdbyuser,'<old hostname>','<new hostname>')
- h. Update tasks set modifiedbyuser=replace(modifiedbyuser,'<old hostname>','<new hostname>')
- i. Update tasks set ownedbyuser=replace(ownedbyuser,'<old hostname>','<new hostname>')

13. Go to Control Panelà Administrative Toolsà Services and start the following services:

- j. HP Systems Insight Manager service
- k. HP Performance Management Pack service
- l. HP PMP Tools service
- m. HP Virtual Machine Management service
- n. HP Virtual Machine Management Web service

14. If the CMS is a Virtual Machine Host managed by VMM, un-register the virtual machine host using the old host name and re-register using the new host name.

To un-register and re-register, enter the following from the command prompt:

```
C:\>cd <VMM installation path>\bin
```

```
C:\<VMM installation Path>\bin>vmcli -unregisterAgent  
vmm://<old hostname>
```

```
C:\<VMM installation Parh>\bin>vmcli -registerAgent vmm://<new  
hostname>
```

Manage the Systems with a New Certificate from the Modified HP Systems Insight Manager System Name

Perform the following steps only if you want to manage the nodes with a new certificate of HP Systems Insight Manager with the modified system name:

1. Log into HP Systems Insight Manager 5.0 with administrative privileges and go to Optionsà Securityà Certificatesà Server Certificate and click New.
2. From the new server certificate creation page, enter valid details including the new hostname and click OK. A new certificate is created.
3. Go to Configureà Configure or Repair Agents.
 - a. In step 1, select all the Windows machines that you want to manage using this CMS.
 - b. In step 2, supply the login credentials.
 - c. In step 3, select only Trust relationship Set to "Trust by Certificate" and click Run Now.

Note: Step 3 is not valid for managed nodes that run Linux. You must configure the individual systems manually.

Changing Passwords

HP SIM 5.0 and later stores the database password, so the HP SIM service account might be the same as the database account, or it might be different.

After Changing the Database Password and the HP SIM Password

If the database password and HP SIM service account passwords are changed, the following steps must be performed to gain access to HPSIM:

1. Stop the HP Systems Insight Manager service.
2. Update the HP Systems Insight Manager Services Properties page, under the Log On tab, with the new password.
3. Launch the MxPassword GUI by running the following command:
`~HP\System Insight Manager\bin\mxpassword -g`
4. Modify the password of the MxDBUserPassword key to reflect the new password.
5. Start the HP Systems Insight Manager service.

After Changing Only the Database Password

If only the database password is changed, the following steps must be performed to gain access to HPSIM:

1. Stop the HP Systems Insight Manager service.
2. Launch the MxPassword GUI by running the following command:

```
~HP\System Insight Manager\bin\mxpassword -g
```

3. Modify the password of the MxDBUserPassword key to reflect the new password.
4. Start the HP Systems Insight Manager service.

For more information

Refer to the following for more information regarding the topics referenced in this paper.

Microsoft SQL Server 2000 Enterprise Edition

System requirements

www.microsoft.com/sql/evaluation/sysreqs/2000/default.asp

White papers on SQL Server 2000

<http://www.microsoft.com/resources/documentation/sql/2000/all/reskit/en-us/default.msp>

Renaming SQL Server

http://msdn.microsoft.com/library/default.asp?url=/library/en-us/instdsql/in_afterinstall_5r8f.asp

HP Systems Insight Manager 5.0

Overview and features

<http://h18013.www1.hp.com/products/servers/management/hpsim/index.html>

HP Systems Insight Manager quick specs

<http://h18013.www1.hp.com/products/servers/management/hpsim/quickspecs.html>

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