Sun StorageTek™ Business Analytics Release Notes for Host and SRM Agent Self-Extracting Install CD

Release 5.1

Sun Microsystems, Inc.
www.sun.com

Part No. 819-7204-10
November 2006, Revision 01

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Introduction

The following sections provide important information on the Sun StorageTek Business Analytics Version 5.1 Host and SRM Agent Self-Extracting Install CD. See the Sun StorageTek Business Analytics Support Matrix for pre-requisite information.

Note: With the acquisition of StorageTek, Sun Microsystems has re-branded and re-named Global Storage Manager (GSM) as Sun StorageTek Analytics, a member of the Enterprise Storage Manager portfolio of software solutions.

Installation Overview

The NSIS install is used by customers to push multiple hostAgent and srmagent (Installations) over the network using third party software distribution. The procedure is summarized as follows:

1. Use the self extracting executable (hostagentSetup.exe or host_srmagentSetup.exe) as the file to be distributed across the different hosts.
2. Perform the self extracting agent installation. On extraction, the agent will be installed along with a default storability.ini file. This default storability.ini file is set up with GSM_ENABLE_LM_REGISTRATION = false.
3. Use one of the following two options to register the agents:
    a. On the Local Manager, register the Host Agents as static sub agents to the Routing agent and restart the Routing Agent.
    b. Modify the supplied storability.ini file as follows:
        - Set the GSM_LM_HOST = setting to the IP address for the Local Manager (i.e. set GSM_LM_HOST = <IP Address>)
        - Set the GSM_ENABLE_LM_REGISTRATION = true.
        - Distribute the modified storability.ini to the various hosts.
        - Restart the Host agents.

Agent Configuration Settings

For the Sun StorageTek Business Analytics Version 5.0 Host and SRM Agent, there are parameters including those related to agent registration, cache refresh, and PowerPath software.

The Host Agent configuration settings are described as follows:

- Local Manager – Specifies the IP address or host name of the Local Manager to be contacted for agent auto registration. The default value is local host (meaning the Host Agent contacts the Routing Agent on its server for agent auto registration).
- Local Manager Registration Port – Specifies the TCP port number used by the Local Manager for agent auto registration. The default port number is 17146 for agent auto registration.
- Config. Cache Interval – Specifies how long agent data is cached; default value is 600 seconds. The minimum cache age for the Host Agent is six hundred (600) seconds on Win32, Solaris and Linux servers. On IBM AIX and HP-UX servers, it is thirty (30) minutes.
- Enable Auto Registration – Turns agent auto registration on or off (default).
- EMC PowerPath File Location for End-to-End Mapping – Specifies the fully qualified path to the EMC PowerPath binary, if installed.

The SRM Agent configuration settings are explained as follows:

- Local Manager – Specifies the IP address or host name of the Local Manager to contact for agent auto registration. The default value is local host (meaning the Local Manager and SRM gent are installed on the same server).

- Local Manager Registration Port – Specifies the TCP port number used by the Local Manager for agent auto registration. The default port number is 17146.
- Enable Auto Registration – Turn agent auto registration on or off (default).
- Location of xml schema file – Directory/folder where the SRM Agent XSD schema file is located.
- Location of xml input file - Directory/folder where the SRM Agent XML input file (config_srm.xml) is located.

Note: The config_srm.xml file largely controls the behavior of the SRM Agent. Refer to the *SRM Agent Installation Guide* for detailed information on the SRM Agent's configuration file (config_srm.xml).

Host and SRM Agent Previously Installed Using InstallShield

If the Host Agent and SRM Agent were previously installed using InstallShield, uninstall these agents before installing them using the Self-Extracting Install CD.

1. Select **Start->Program Files->Storability->Uninstall->Uninstall Local Manager**
   Or:
   Start->Program Files->Storability->Uninstall->Uninstall Host Agent and Uninstall SRM Agent. The Storability Uninstall dialog appears.
2. Click the checkbox for the Host Agent and/or SRM Agent.
3. Click **Next>**. The **Question** dialog appears.
4. Click **Yes** to confirm the uninstall. An uninstalling agent splash box appears as each selected agent is uninstalled.
5. When the InstallShield Wizard Complete dialog box appears, click **Finish**.

Self-Extracting Host Agent Installation

The following procedure describes how to install the Host Agent using the self-extracting installation.

Important Note:
If the Host Agent was previously installed using InstallShield, uninstall this agent before installing it using the Self-Extracting Install CD. See the subsequent *Uninstall* section for information on the uninstall procedure.

1. Insert the Host and SRM Agent Self-Extracting Install CD into the CD-ROM drive on the Windows server.

2. Using Windows Explorer, open the <drive>:\hostAgent -- NSIS network installer folder on the CD installation media.

3. Click the **hostagentSetup.exe** program to start the installation. The **Host Agent – Setup: Installation Folder** dialog appears.

4. Accept the default installation folder, which is <drive>:\Program Files\Storability or click **Browse** to select a different destination folder.

5. Click **Install** on the **Host Agent – Setup: Installation Folder** dialog.

6. When the Host Agent – Setup: Completed dialog appears, the Host Agent is installed and started on the Windows server.

7. Click **Close** to finish the installation procedure.

8. Manually (e.g., Configuration Tool) add the host agent as a SUB_AGENT entry in the desired Local Manager/Central Manager storability.ini file. Refer to Figure 3 – Sample SUB_AGENT Entries.

Silent Installation - Self-Extracting Install

1. Insert the Host and SRM Agent Self-Extracting Install CD into the CD-ROM drive on the Windows server.

2. From a command prompt, change to the **hostAgent – NSIS Network Installer** directory.

3. Run the following command:

   ```
   hostAgentSetup.exe /S
   ```

   to install the Host Agent to the <drive>:\Program Files\Storability\GSM\Agents\Storability Host Agent directory. The installation creates the above specified installation directory and installs hostAgent.exe, libntd.dll, storability.ini, and hostAgentuninstall.exe in that install directory.

   The installed Host Agent is automatically started.

4. To have the Host Agent register to a Central Manager/Local Manager, perform one of the following

   a. Manually (e.g., Configuration Tool) add the host agent as a SUB_AGENT entry in the desired Local Manager/Central Manager storability.ini file or:

   b. Open the storability.ini file on the server on which you installed the Host Agent.

   c. Configure the following parameters for the Host Agent and then restart the agent:

      - GSM_LM_HOST = <Central Manager/Local Manager host name or IP address>
      - GSM_LM_PORT = 17146
      - GSM_ENABLE_LM_REGISTRATION = true

Installing Agents into Different Drive and Path

The following commands are used to install the agents into a different drive and path.

hostagentSetup:

```
<drive>:\hostAgent -- NSIS network installer>hostagentSetup.exe /S /D=E:\Apps\Storability
```

or:

```
<drive>:\hostAgent -- NSIS network installer>hostagentSetup.exe /S /D=D:\Program
Files\Storability
```

host_srmagentSetup:

```
<drive>:\srmAgent -- NSIS network installer>host_srmagentSetup.exe /S /D=E:\Apps\Storability
```

or:

```
<drive>:\srmAgent -- NSIS network installer>host_srmagentSetup.exe /S /D=D:\Program
Files\Storability
```

Note: Quotation marks are NOT required. The use of quotation marks is invalid and will cause the agent to be installed in the default directory (i.e., 'C:\Program Files\' ....

Self-Extracting SRM Agent Installation

The following procedure describes how to install the SRM Agent using the self-extracting installation. The installation will install both the Host Agent and the SRM Agent if the Host Agent is not already installed.

1. Insert the Host and SRM Agent Self-Extracting Install CD into the CD-ROM drive on the Windows server.

2. Using Windows Explorer, open the <drive>:\srmAgent -- NSIS network installer folder on the CD installation media.

3. Click the **host_srmAgentSetup.exe** program to start the installation. The **Host_SRM Agent – Setup: Installation Folder** dialog appears.

4. Accept the default installation folder, which is <drive>:\Program Files\Storability or click **Browse** to select a different destination folder.

5. Click **Install** on the **Storability Host_SRM Agent – Setup: Installation Folder** dialog.

6. When the **Storability Host_SRM Agent – Setup: Completed** dialog appears, the Storability Host Agent and SRM Agent are installed and started on the Windows server.

7. Click **Close** to finish the installation procedure.

Silent Installation of SRM Agent Using Self-Extracting Install

1. Insert the Host and SRM Agent Self-Extracting Install CD into the CD-ROM drive on the Windows server.

2. From a command prompt, change to the **srmAgent – NSIS Network Installer** directory.

3. Run the following command:

   ```
   host_srmAgentSetup.exe /S
   ```

   to install the Host Agent and SRM Agent. The installation creates the above following directories:

- <drive>:\Program Files\Storability\GSM\Agents\Storability Host Agent
- drive>:\Program Files\Storability\GSM\Agents\Storability SRM Agent

The contents of the Storability Host Agent directory include hostAgent.exe, install.conf, libntd.dll, and Message.log. The contents of the Storability SRM Agent directory include srmAgent.exe, config_srm.xml, config_srm.xsd, libntd.dll, and Message.log.

The installed Host Agent and SRM Agent are automatically started.

Uninstall Host Agent

To uninstall the Host Agent, proceed as follows

1. Using Windows Explorer, select Program Files->Storability->hostAgentuninstall.exe. The Storability Host Agent Uninstall: Confirmation dialog appears.
2. Click **Uninstall**.
3. When the Storability Host Agent Uninstall: Completed dialog appears, click **Close**.

Silent Uninstall Host Agent

To uninstall the Host Agent, proceed as follows

1. From a command prompt, type:

   "<drive>:\Program Files\Storability\hostAgentuninstall.exe" /S

2. This will remove the Host Agent an returns you to the command prompt.

Uninstall SRM Agent

To uninstall the Host Agent and SRM Agent, proceed as follows

1. Using Windows Explorer, select Program Files->Storability->srmAgentuninstall.exe. The Storability Host_SRMAgent Uninstall: Confirmation dialog appears.
2. Click **Uninstall**.
3. When the Storability Host_SRMAgent Uninstall: Completed dialog appears, click **Close**. The Host Agent and SRM Agent are now uninstalled.

Silent Uninstall SRM Agent

To uninstall the SRM Agent, proceed as follows

1. From a command prompt, type:

   "<drive>:\Program Files\Storability\srmAgentuninstall.exe" /S

2. This will remove the Host Agent and the SRM Agent and returns you to the command prompt.