

Using the System Management Hub with Natural

The System Management Hub is Software AG's cross-product and cross-platform product management framework providing efficient and user-friendly product administration, performance tuning, error analysis and interfaces to external systems.

The System Management Hub's architecture permits plug-in integration of existing products, separation of implementation-specific management technologies and re-use as product-independent, cross-platform framework.

- Log-in Procedure
 - SMH User Interface
 - Selecting a Host
 - Refreshing the Display
 - Description of Functionality
-

Log-in Procedure

The System Management Hub runs in a browser. This can be either Microsoft Internet Explorer 4.01 or above, or Netscape Communicator 4.7.

You invoke the System Management Hub with the following URL:

```
http://<machine name>:<system management hub port number>/smh/login.htm
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Under Windows, you can simply access the System Management Hub as described above. The correct URL is automatically provided in the shortcut.

To log in to your local installation of System Management Hub

1. Start your Web browser.
2. Enter the URL of your local installation (MIL server) in the address line of your browser.
This displays an HTML page containing the following in your browser:
(smh screenshot)
3. In the System Management Hub Welcome screen, type in your user name and your password and choose the **Login** button.

SMH User Interface

The user interface for the System Management Hub is divided into three parts:

- Navigation/Tree-View Frame (top left)
- Command Frame (bottom left)
- Display/Detail-View Frame (right)

Navigation/Tree-View Frame

Contains all hosts and products known to the System Management Hub. You can expand or collapse the tree structure by clicking the plus or minus sign in front of an object.

Alternatively, you can single-click on an object to select it - in this case, details about this object are displayed in the detail-view frame, but the object is not expanded.

If you double-click on an expandable object, the object will be expanded and details about the object are displayed in

the detail-view frame.

Command Frame

The content of the command frame depends on the object you select from the tree-view frame and on the current status of the object. Only those commands that are available for the selected object are displayed. If you select another object, the content of the command frame will be refreshed accordingly.

Display/Detail-View Frame

This frame is used to display details of selected objects or to accept user input.

Selecting a Host

To select a host (example: IBM mainframe)

1. Click the object in the tree-view frame.
2. In the Login to Host dialog, enter your user ID and password.
If they are identical with those you entered when logging in to the System Maintenance Hub, you can leave these input fields blank.
3. Click the Login button.

Refreshing the Display

The **Refresh** button is always available. It is used to refresh the contents of the tree-view frame and the detail-view frame. Thus, you can check whether the status or information has changed.

Description of Functionality

- Overview of Installed Versions
- Overview of Natural System Files
- Overview of Natural Subproducts
- Monitoring and Administration of Natural Servers (in preparation)

Overview of Installed Versions

When you use the System Management Hub views in conjunction with Natural, all network-wide Natural installations (nuclei and system files) are displayed. For each installed Natural, the version information is shown.

When you expand a node of a specific Natural nucleus, all Natural subproducts and nucleus components (Natural add-on products, Natural Security, etc.) are shown.

Clicking a subproduct will display the current update information as IUPDs and ZAPs. This corresponds to the Natural system functions DUMP ZAPS that is available on mainframes.

Overview of Natural System Files

Displays all system files registered. The detail-view frame shows the Natural subproducts installed on the selected system file. Selecting a subproduct will display detailed installation data.

Choosing the Show History button will invoke a complete update history for the specific subproduct. This information corresponds to the Natural system function SYSPROD.

Overview of Natural Subproducts

Displays the same information that is available with the Natural system files, but sorted by Natural subproducts.

Monitoring and Administration of Natural Servers (in Preparation)

In the System Management Hub views, you can see all defined Natural servers. They are marked as active or inactive. In addition, you can start or stop a server from within that view.

Note: This function is currently not yet available.