



HGS Administration and Monitoring

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HGS Administration and Monitoring

Host Gateway Server from KMSYS Worldwide, Inc.

The HGS Administration and Monitoring utility is used to connect to the HGS system and monitor all activity between the server and the client. When a client opens a session with the host, a "Connection" line will appear in the monitor list box showing the connection state, station name, duration, characters processed, etc. Only clients that are configured to use "KMSYS Host Gateway Server (HGS)" as a connection type will appear in the connection list.

The following explains the control functions and information found on the main dialog of the utility.

File

Use this menu to establish or discontinue monitoring activity with a server.

Connect

Click this option to connect to an existing HGS server and begin monitoring its activity. This selection opens the [Select System to Monitor](#) dialog.

Disconnect and Close

Click this selection to stop the monitoring activity for and disconnect from the currently selected server.

License

Use this menu to enter a new HGS license or remove an existing one.

Install

Click this option to install the license file (.xml) supplied by KMSYS Worldwide, Inc.

Remove

Click this selection to remove a license.

Tools

Use this menu to apply maintain servers and runtime options.

Options

Click this selection to add/remove servers, set monitor refresh rate and establish confirmation notices. This selection opens the [HGS Administration and Monitoring Options](#) dialog.

Help

Use this menu to obtain on-line help and verify the HGS version currently installed.

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About HGS Monitor

Refresh

This control group is used to enter and apply the interval in which the monitor will automatically renew its monitoring activity and refresh its connections queue.

Current System

The information in this group supplies monitoring and control information about the currently connected system.

Current License Information

This list box contains the server and client license information as issued from KMSYS Worldwide, Inc. Each line specifies the serial number, lease count and unit availability as specified in the license agreement.

A right mouse click on a list item allows for the removal of that item or the installation of a new license.

Note: Click any column header to alter the sort order of the list.

Running Since

This information-only item shows the date and time on which the current system (server) began running.

Server Information

This line contains identifying information about the lessor (server): Serial number, date/time created, lease count and global unique identifier (GUID).

Connections

This list box shows all connections currently made through the Host Gate Way Server.

A right mouse click on a list item allows the session to be disconnected. It should be noted that the associate client software (e.g., UTS eXpress Plus, eQuate, etc.) will be notified of the closed session but the associated client window(s) will remain open.

Note: Click any column header to alter the sort order of the list.

Connection

This column contains the HGS-supplied number for the current connections.

Client Id.

This is the HGS-assigned hexadecimal id of the client.

Client End Point

This is the IP address of the client user plus the local port number.

Station Name

This is the station name passed to the host.

State

This column displays the state of each connection currently in the list. The possible values are:

OpenInProgress	Momentary state - open request from client
Open	Ongoing state - continuing host/client interaction
HostCleared	Momentary state - disconnect issued from client or host
Closed	Momentary state - close complete, wait for monitor refresh

Open Id.

This is the open id configured in HGS.

Client Security

This is the

Client Type

This is the type of client license issued by KMSYS Worldwide, Inc.

Start Time

This is the data/time stamp when the connection was made.

Duration

The duration is the amount of time that the connection has been in existence.

CPS In

This is the number of characters per second sent to the client.

CPS Out

This is the number of characters per second received from the client.

Chars In

This is the total number of characters send to the client.

Chars Out

This is the total number of characters received from the client.

Status Lines

The last line of the form is a status line. The left hand portion indicates the current condition of the Administration and Monitoring program. The right hand side has a time stamp that indicates the time of last refresh for the server represented by the active tab. If an error occurs while using the Administration and Monitoring program, a "Show Error" button will appear to the right of the time stamp. Clicking the button will display more information that should be forward to KMSYS Worldwide support.

The Administration and Monitoring program has the ability to connect to and monitor more than one server at a time. Each server connected to will be represented by a tab in the lower left hand corner of the form. Tabs may be reordered using drag-and-drop operations. Right clicking the tab will produce a context menu that allows an immediate refresh, disconnect or a re-connect operation.

HGS Administration and Monitoring Options

Use this dialog to add or remove servers from the monitor's registration list.

Default Refresh

This control is used to enter the default interval in which the monitor will automatically renew its monitoring activity and refresh its connections queue.

Confirm License Renewal

Check this box to receive a confirmation notice when an attempt is made to remove a license.

Confirm Server Removal

Check this box to receive a confirmation notice when an attempt is made to remove a server.

Confirm Session Abort

Check this box to receive a confirmation notice when an attempt is made to abort a server.

Known Servers

This is the list of servers available to monitor. It is the same list that will be presented in the **System** drop-down list box of the [Select System to Monitor](#) dialog when connecting to a server for monitoring.

To add a new server using the **Add new system name or IP address to list** text box, enter the system name that contains the HGS server and click the **Add** button.

To remove a server, select the server from the list box and click the **Remove** button.

Select System to Monitor

This dialog is used to connect to an HGS server.

Initial HGS Server System Setup

Using the **Add new system name or IP address to list** group at the bottom on the dialog, enter the system name that contains the HGS server and click the **Add** button.

Select HGS Server System to Monitor

From the **Select the system that you want to monitor** list box, select an HGS server system to monitor and click the **OK** button.

Glossary

A

Administration Workstation: Any system that had been prepared for running the HGS Configuration Utility.

C

Communications Server: The server system that is running the HGS Service

Configuration Server: Middle tier software that maintains the configuration set and interfaces to the database server. Currently each Communication Server must have a corresponding Configuration Server on the same system.

D

Database Server: System that runs the MSDE installed by the HGS installation. It is shared by multiple Configuration Servers and Communication Servers.

H

HGS: Host Gateway Server

HGS Admin Group: A Windows Domain security group. This must be a Global security group. Only members of this group will be allowed to configure HGS. You may use an existing group or create a new group.

HGS Service: A Windows Service that is the heart of the HGS system. It provides a UTS and T27 type connections to client systems.

M

MSDE: Microsoft Data Engine - A distributable version of Microsoft SQL.

O

One Touch Install: An program deployment method that does not actually install a program, but instead runs a setup that configures the system to correctly run the program. The program is then served from a web server. The advantage of One Touch Install is that the user will always have the current version without having to install.

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