

HS Host Monitor v1.0.0

User Manual

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1 Welcome to HS Host Monitor!

HS Host Monitor is an IP network monitoring software for Windows which allows you to monitor up down status of IP hosts on your local LAN and on the Internet.

HS Host Monitor software system consists of a server network monitoring application for Windows and a GUI client monitoring application that connects to the server. HS Host Monitor server and the client can be installed on the same or on different computers.

An operator can manage the test items and see the current status of the monitored hosts (monitored items): up or down, receive events in real time and inspect old events. The up / down events for all monitored hosts are saved in an SQL database at the server side.

HS Host Monitor server, if configured to do so, sends email notifications to network administrator about the status change of the monitored items, that include event timestamp, monitored items description, IP address / hostname and event text

HS Host Monitor software features:

- Up to 100 monitored items (IP hosts)
- Host Monitor server remotely controlled by Host Monitor Client
- Real time event notifications about the status of monitored hosts
- Administrator sees which hosts are down clearly
- Monitor using ICMP ping or TCP
- Configurable test interval and number of retries
- Optional email notifications sent to network administrator on test items up or down
- HS Host Monitor Server auto starts with Windows and runs hidden with an icon in system tray
- Host Event history, an operator can specify event depth

2 Installing and Running HS Host Monitor

HS Host Monitor software system consists of a server network monitoring application for Windows (HS Host Monitor Server) and a GUI client monitoring application that connects to the server (HS Host Monitor Client). HS Host Monitor server and the client can be installed on the same or on different computers.

2.1 Installing HS Host Monitor Server

First install the HS Host Monitor Server on a computer that is going to monitor your network. Launch the HS Host Monitor application.

If during the installation of the HS Host Monitor Server you tick the checkbox "Start with windows", HS Host Monitor Server will be started everytime the PC boots up and a user logs in.

HS Host Monitor Server creates an icon in the windows taskbar. When you click the system menu close button, the application continues running hidden. When you click on the icon in the windows taskbar, HS Host Monitor Server control window is shown again.

To fully quit HS Host Monitor Server application, go to the program's menu -> Tools -> Exit.

2.2 Installing HS Host Monitor Client

To monitor control and configure the HS Host Monitor Server and to monitor your test IP devices, (called "test items"), you need to install and run HS Host Monitor Client.

Install the HS Host Monitor Client on any computer that can access the HS Host Monitor Server computer over IP network. This can be the same computer on which the server is running or it can be a different computer.

Run the HS Host Monitor Client application, you will be asked for IP address and port number of the HS Host Monitor Server to connect to. If the client and sever are on the same PC, specify ip address 127.0.0.1, otherwise specify the IP address of the computer on which you installed the HS Host Monitor Server. The port number must mach the port number on which the HS Host Monitor Server is listening for the client connection. By default the port number is 2111.

Click "OK", once connection to the server is established you can start configuring the test items and other aspects of the server operation.

3 Creating New Test Items

To create a new test item, click "New Item" button in the HS Host Monitor Client main screen.

In the test item configuration dialog, enter

- Test item description
- Test Item IP address or DNS hostname
- Select test type, ICMP Ping or TCP
- Port number (applicable if the test type is TCP)
- Test Interval is seconds, specifies how often the monitored IP device will be tested
- Test timeout in seconds, specifies time in seconds to wait for ping response or TCP connection established to the test item.
- Number of retries, defines after how many retries the test considered failed

If you want HS Host Monitor Server to send email notifications to network adminitstrator, click checkboxes as required:

- Send email on host down

- Send email on host up

To use this feature you will need to configure server's SMTP email settings and a common administrator email address through server configuration, by clicking "Settings" button. Email settings need only be configured once and are valid for all test items.

Click "Save" to commit the new item configuration

The new item appears in the list of monitored test items.

4 Editing Existing Test Items

To edit an existing test item, select the required test item in the list of monitored test items in the main screen of the HS Host Monitor client, then either double click the list entry or click "Edit Item" button.

The same test item configuration dialog is displayed as for creating a new test item, except all the fields are populated with the values of the selected item. Edit the fields as needed and click "Save". The changes are reflected in the monitored items' list and in the server database.

5 Removing Test Items

To remove an existing test item, select the required test item in the list of monitored test items in the main screen of the HS Host Monitor client, then click "Delete Item" button.

6 Starting and stopping monitoring a test item

When test item is created by default its state is "stopped". To start testing the item, select it in the monitored items list in the HS Host Monitor Client main screen and click "Start Test" button. To stop testing the item click "Stop Test" button.

7 Server Configuration

To configure the server settings click "Settings" button from the main screen of the HS Host Monitor client, Select an appropriate section of configuration in the list on the left, for example "General" or "Email".

In the "General" section, you can configure the server port number on which it is listening for the client connection.

In the "Email" section you can configure SMTP settings for outgoing mail the the HS Host Monitor server can send to network administrator when one or more of monitored items have changed state. There you also specify the email address of the network administrator who will receive such email notifications.

When done changing the server settings, click "Save".

It is recommended to exit the server application and restart it for all the changes to take effect.