



# Entire Screen Builder

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Version 5.2.1

Server Management

This document applies to Entire Screen Builder Version 5.2.1 and to all subsequent releases.

Specifications contained herein are subject to change and these changes will be reported in subsequent release notes or new editions.

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# Server Management

Entire Screen Builder's Server Management tool is a Microsoft Management Console snap-in which is automatically installed with Entire Screen Builder (if not deselected during installation). You can use this tool to administrate and monitor the Entire Screen Builder Server.

This documentation is organized under the following headings:

- Getting Started      How to start the Server Management snap-in, define the Entire Screen Builder Server that is to be used, start and stop the Entire Screen Builder Server, switch administration mode on and off, refresh the information on a pane, and determine the columns that are to be shown on a pane.
- Running Connections      How to manage the information shown in the Running Connections pane of the snap-in (for example, send a message to a connection or delete a connection).
- Server Monitor      How to manage the information shown in the Server Monitor pane of the snap-in (for example, define the Entire Screen Builder modules to be monitored and highlight a corresponding curve).
- Host Sessions      How to manage the information shown in the Host Sessions pane of the snap-in (for example, view the properties of the defined host sessions or define new host sessions).
- Key Schemes      How to manage the information shown in the Key Schemes pane of the snap-in (for example, add or modify key schemes).
- Color Schemes      How to manage the information shown in the Color Schemes pane of the snap-in (for example, add or modify color schemes).

# Getting Started

This chapter tells you how to get started with the Entire Screen Builder Server Management snap-in. The following topics are provided:

- Starting the Server Management Snap-in
  - Defining the Entire Screen Builder Server
  - Starting and Stopping the Entire Screen Builder Server
  - Administration Mode
  - Refreshing the Display
  - Customizing the Columns
-

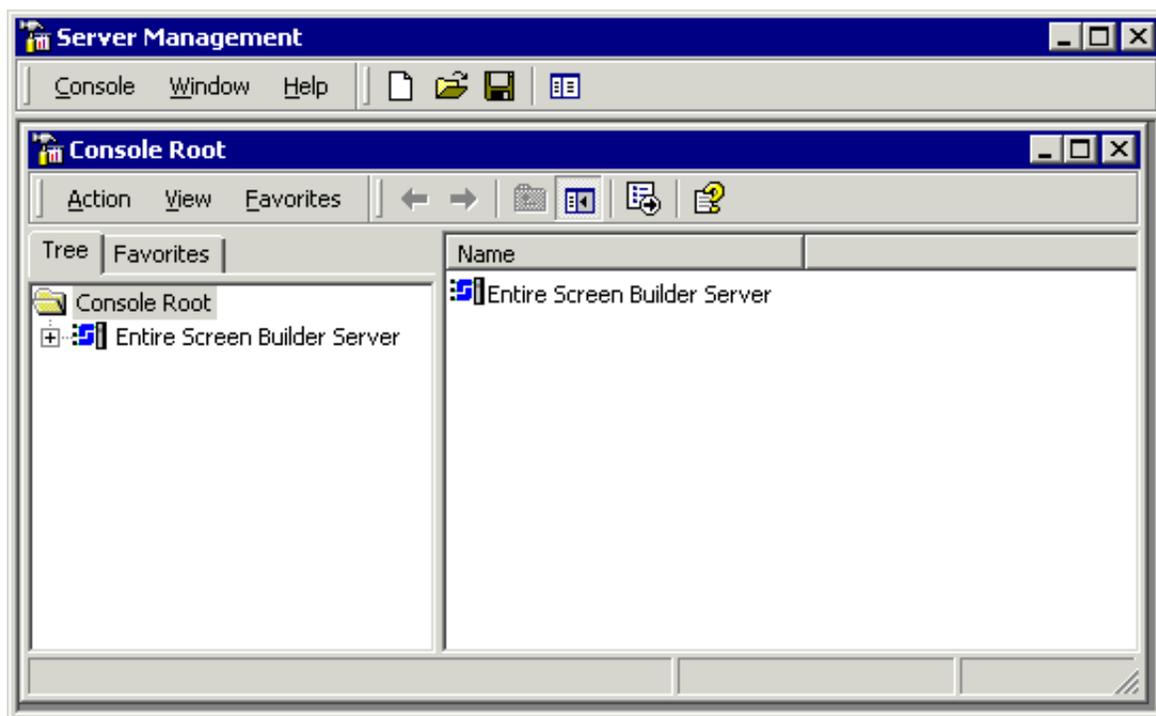
## Starting the Server Management Snap-in

If you do not specify otherwise during installation, an Entire Screen Builder folder automatically appears in the Programs folder of the Start menu after Entire Screen Builder has been installed. It contains the shortcuts for the Entire Screen Builder components, including the Server Management snap-in.

### ▶ To start the Server Management snap-in

1. From the Start menu, choose **Programs > Software AG Entire Screen Builder *n.n.n* > Server Management**.

The Microsoft Management Console appears, showing the Server Management snap-in.



2. In the tree view on the left, expand the node for the Entire Screen Builder Server.

A logon dialog box appears.

#### Notes:

1. When you have started the Server Management snap-in for the very first time, a configuration dialog box appears. See *Defining the Entire Screen Builder Server* for further information.
  2. When you have previously saved the console settings of the snap-in (with one of the nodes below the node for the Entire Screen Builder Server already selected), this logon dialog box appears *before* the window for the Microsoft Management Console is shown.
3. Enter your user name and password for the Entire Screen Builder Server.

When a domain is required with the user name, enter it as follows:

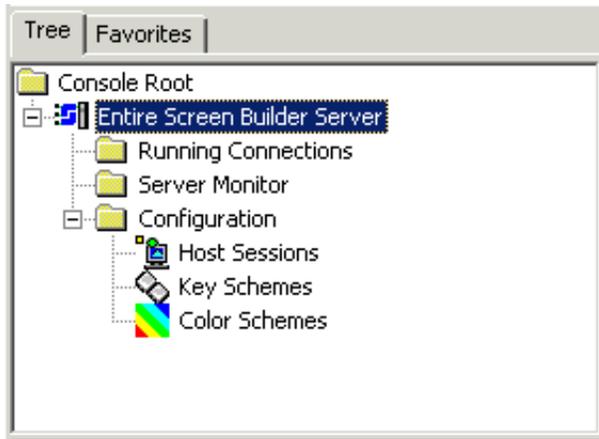
*domain-name\user-name*

**Note:**

This is the same user name and password that you have to enter when administrating the Entire Screen Builder Server using the System Management Hub.

4. Choose the **OK** button.

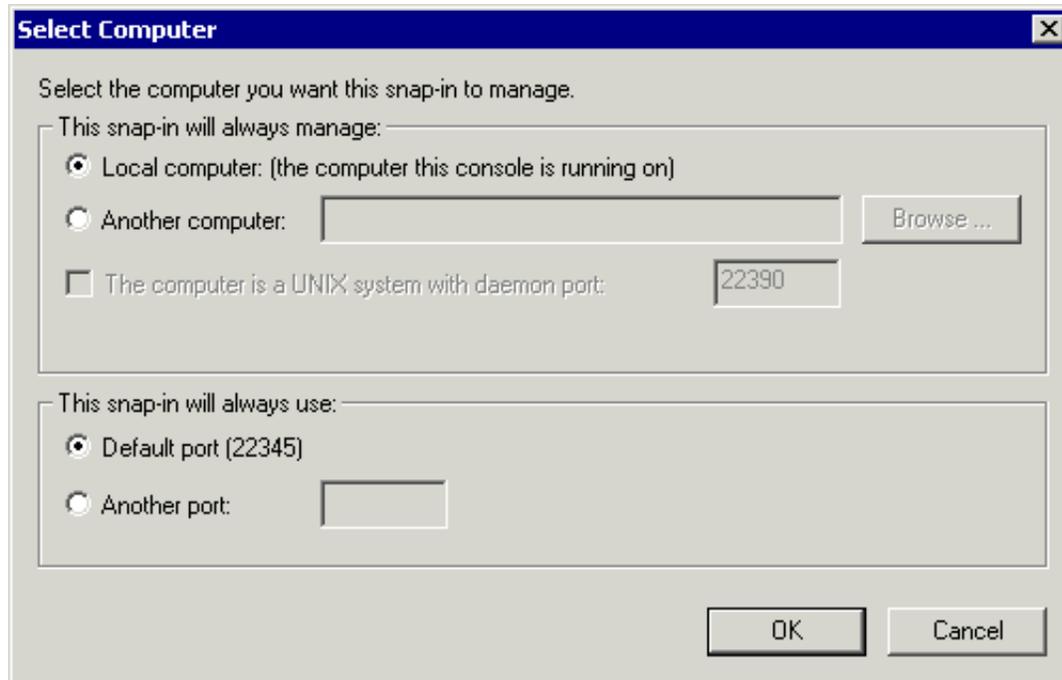
The nodes available for the Entire Screen Builder Server are now shown. When all nodes are expanded, the tree looks as follows.



When you select a node, the corresponding pane is shown on the right side of the snap-in window. These panes are described in detail later in this documentation.

## Defining the Entire Screen Builder Server

When you start the Server Management snap-in for the very first time, the following dialog box appears in which you have to define the computer on which the Entire Screen Builder Server has been installed.



### Local computer

Select this option button, if the Entire Screen Builder Server and this Microsoft Management Console are running on the same machine.

### Another computer

Select this option button, if the Entire Screen Builder Server is running on a different machine. In this case, you have to specify the name of the machine on which the Entire Screen Builder Server is running.

The name of this computer is then shown in parenthesis in the snap-in window - behind the node name "Entire Screen Builder Server".

### The computer is a UNIX system with a daemon port

When the Entire Screen Builder Server has been installed in a UNIX environment, this check box must be selected. For starting and stopping the server and for validating the password, the snap-in communicates via a daemon which must run in the UNIX environment. For communication with the snap-in, the daemon listens to a port that you have to specify in the adjacent text box.

See also: *Starting and Stopping the Entire Screen Builder Daemon* in the *Installation and Configuration* documentation.

## Port

Specify the same number that has been defined in the System Management Hub (monitoring port number). The default port number is 22345. It must only be changed if this has also been changed in the System Management Hub. See *Server Settings* in Entire Screen Builder's *System Management Hub* documentation.

If you want to change any of the above values later, you have to add the snap-in to the Microsoft Management Console once more as described below.

### To define another computer

1. From the **Console** menu, choose **Add/Remove Snap-in**.

The Add/Remove Snap-in dialog box appears.

2. Select the current snap-in for the Entire Screen Builder Server and choose the **Remove** button.
3. Choose the **Add** button.

The Add Standalone Snap-in dialog box appears.

4. Select the snap-in with the name "Entire Screen Builder Server" and choose the **Add** button.

The Select Computer dialog box appears.

5. Specify all required options as described above and choose the **Finish** button. After this, you can close all dialog boxes that have previously been opened.

## Starting and Stopping the Entire Screen Builder Server

The properties of the Entire Screen Builder Server can only be modified when the Entire Screen Builder Server has been stopped.

When you stop the Entire Screen Builder Server, any running connections are terminated. As long as the Entire Screen Builder Server is stopped, it is not possible for the viewers to connect to a host session. You can send a message to all connected users to inform them that the Entire Screen Builder Server will be stopped (see *Sending a Message to a Connection*).

When a message occurs in the snap-in saying that it is not possible to connect to the Entire Screen Builder Server, it may be possible that the Entire Screen Builder Server has been stopped.

As long as you have not logged on to the Entire Screen Builder Server, the commands for starting and stopping the server are not available.

### To stop the server

1. In the tree, select the node for the Entire Screen Builder Server.
2. From the **Action** menu, choose **Stop Server**.

Or:

From the context menu, choose **Stop Server**.

### To start the server

1. In the tree, select the node for the Entire Screen Builder Server.
2. From the **Action** menu, choose **Start Server**.

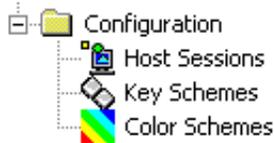
Or:

From the context menu, choose **Start Server**.

## Administration Mode

You can set the Entire Screen Builder Server to administration mode. This mode enables you to modify several configuration data also from the Server Management. When you switch on administration mode, all running connections are disconnected. As long as the Entire Screen Builder Server is in administration mode, it is not possible to start any connections.

When administration mode is active, you can modify the objects contained in the "Configuration" node.



When you switch off administration mode, all configuration data are reloaded by the Entire Screen Builder Server and thus become active. When administration mode is switched off, the objects in the "Configuration" node cannot be modified. Newly created objects that were modifiable before administration mode has been switched on are thus set to an unmodifiable state.

### ▶ To switch administration mode on and off

1. Select the "Configuration" node.
2. From the **Action** menu, choose **Administration Mode**.

Or:

From the context menu, choose **Administration Mode**.

You have to confirm that you want to set the Entire Screen Builder Server to administration mode.

When administration mode is active, a checkmark is shown next to the above menu command.

## Refreshing the Display

The information on a pane is not automatically updated as long as the pane is displayed. It is updated in the following cases: when you switch between the different panes of the console window or when you choose the **Refresh** command (see below).

**Note:**

The **Refresh** command is not available for the Server Monitor pane.

▶ **To refresh the display**

- From the **Action** menu, choose **Refresh**.

Or:

From the context menu, choose **Refresh**.

Or:

Choose the following toolbar button:



Or:

Press F5.

## Customizing the Columns

You can determine the columns that are to be shown on the different panes. You can modify their sequence.

**Note:**

The **Choose Columns** command is not available for the Server Monitor pane.

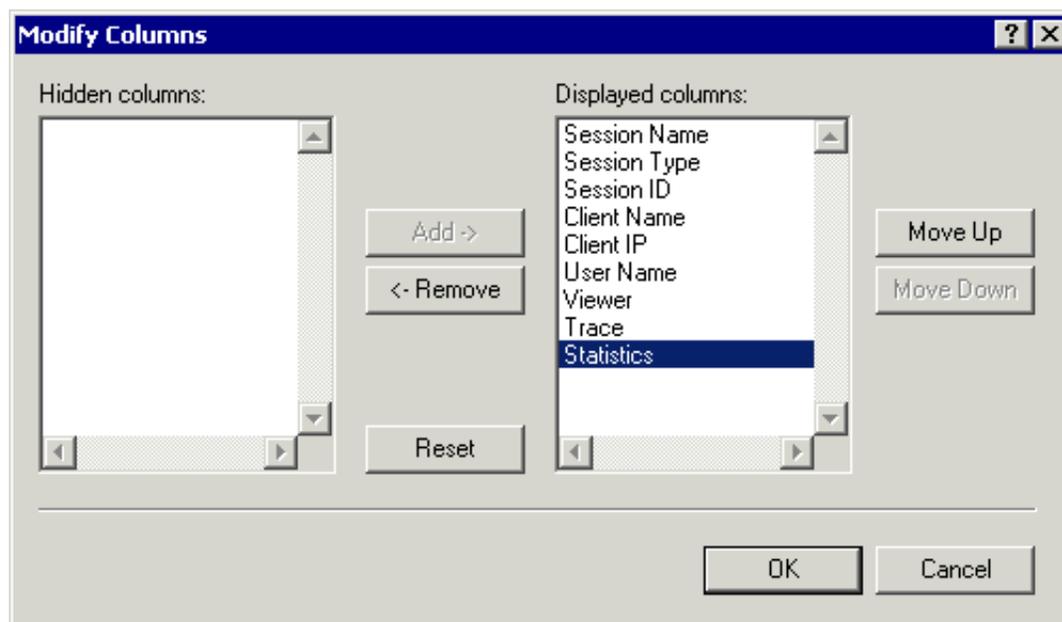
▶ **To customize the columns**

1. Display the desired pane.
2. From the **View** menu, choose **Choose Columns**.

Or:

From the context menu, choose **View > Choose Columns**.

The Modify Columns dialog box appears. Example for the Running Connections pane:



3. Use the command buttons to add or remove columns, to change the sequence of the columns, or to return to the default settings. This is standard functionality of the Microsoft Management Console.
4. Choose the **OK** button.

# Running Connections

In the tree of the Server Management snap-in, select the "Running Connections" node to display the corresponding pane.

This chapter covers the following topics:

- Elements of the Running Connections Pane
  - Displaying the Session Properties
  - Sending a Message to a Connection
  - Deleting a Connection
  - Switching Tracing On and Off
  - Switching Statistics On and Off
- 

## Elements of the Running Connections Pane

The Running Connections pane is only shown when the Entire Screen Builder Server has been started and when running connections are available. When the Entire Screen Builder Server has been stopped or if Entire Screen Builder Server has no running connections, the corresponding message is shown.

When running connections are available, the Running Connections pane is shown in the console window.

Session Name	Session Type	Session ID	Client Name	Client IP	User Name	Viewer	Trace	Statistics
BS2000	BS2000	3	PCKOL1	157.189.170.72	anonymous	Terminal	Inactive	Disabled
ibm1	TN3270	1	PCKOL1	157.189.170.72	anonymous	GUI	Inactive	Disabled

The following topics describe the elements of the Running Connections pane:

- Toolbar
- Running Connections

## Toolbar

The following toolbar buttons are available:

	Delete connection
	Display properties
	Refresh list of running connections
	Send message
	Switch tracing
	Switch statistics

### Note:

Some toolbar buttons are only shown when a session has been selected in the Running Connections pane.

## Running Connections

When running connections are available, the Running Connections pane contains several columns providing the following information:

- The name of the host session.
- The type of host session (for example, TN3270).
- The session ID that was automatically created when this host session has been added.
- The name of the PC from which the connection has been established.
- The IP address of the PC from which the connection has been established.
- The name of the defined user. When a user logs on anonymously, the string "anonymous" is shown.
- The type of version: "GUI", "Terminal" or "XML".
- Trace status of the host session: "inactive" or "active".
- Statistics status of the host session: "disabled" or "enabled".

### Note:

It is possible to remove columns from the Running Connections pane. See *Customizing the Columns*.

## Displaying the Session Properties

The session properties show more detailed information about a host session.

### ▶ To display the session properties

- Select the desired connection and from the **Action** menu, choose **Properties**.

Or:

Select the desired connection and from the context menu, choose **Properties**.

Or:

Select the desired connection and choose the following toolbar button:



Or:

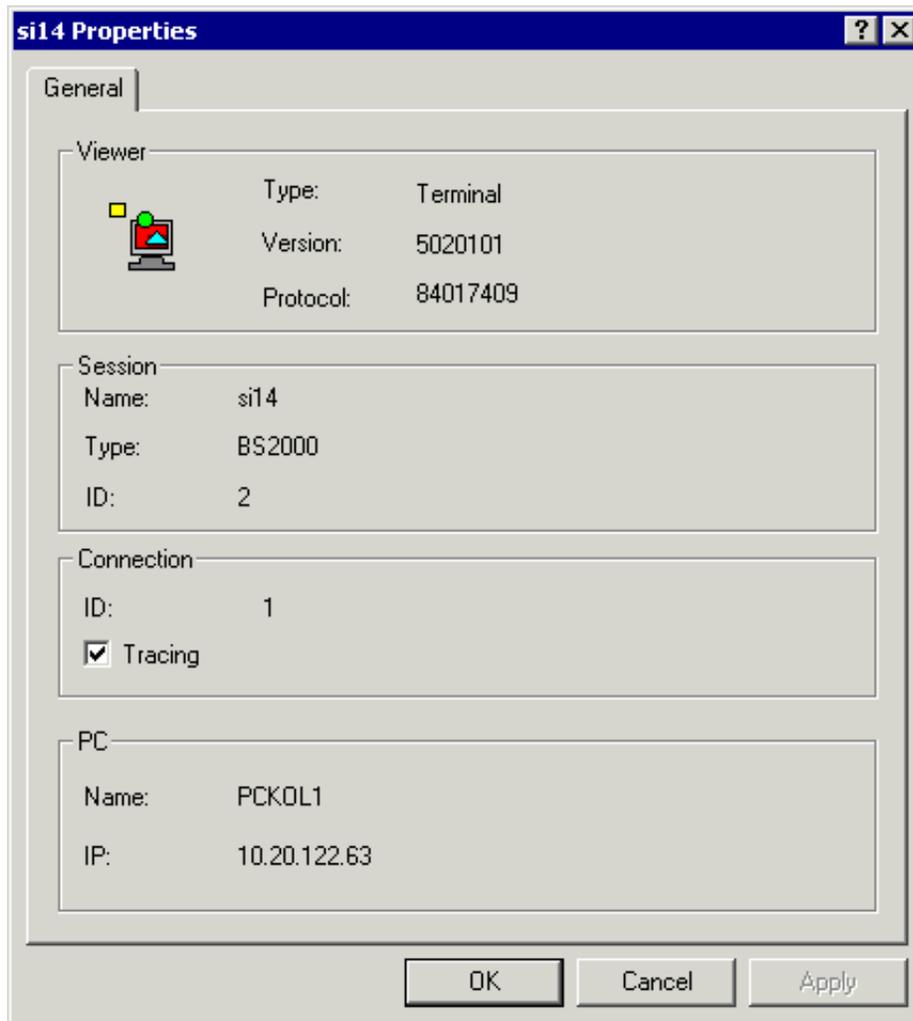
Double-click the desired connection.

The following pages are available in the resulting dialog box:

- General
- Statistics

## General

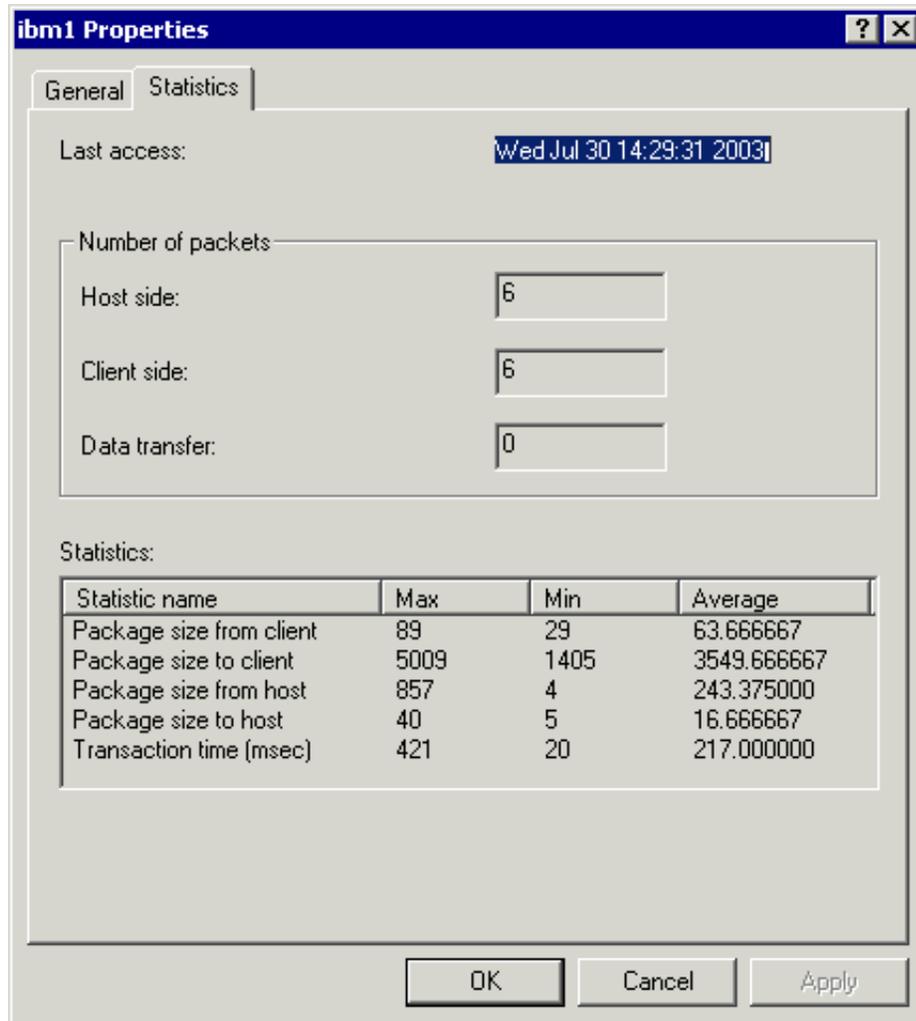
This page is always shown.



It is possible to switch tracing on and off. See also: *Switching Tracing On and Off*.

## Statistics

This page is only shown when statistics have been enabled for a session. See *Switching Statistics On and Off*.



The screenshot shows a dialog box titled "ibm1 Properties" with two tabs: "General" and "Statistics". The "Statistics" tab is active. It displays the following information:

Last access: **Wed Jul 30 14:29:31 2003**

Number of packets:

- Host side:
- Client side:
- Data transfer:

Statistics:

Statistic name	Max	Min	Average
Package size from client	89	29	63.666667
Package size to client	5009	1405	3549.666667
Package size from host	857	4	243.375000
Package size to host	40	5	16.666667
Transaction time (msec)	421	20	217.000000

At the bottom of the dialog are three buttons: "OK", "Cancel", and "Apply".

## Sending a Message to a Connection

You can send a message to a connection.

### ▶ To send a message

1. Select the desired connection.
2. From the **Action** menu, choose **Send Message**.

Or:

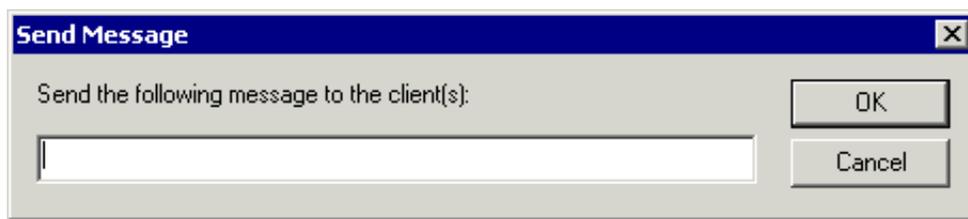
From the context menu, choose **Send Message**.

Or:

Choose the following toolbar button:



The Send Message dialog box appears.

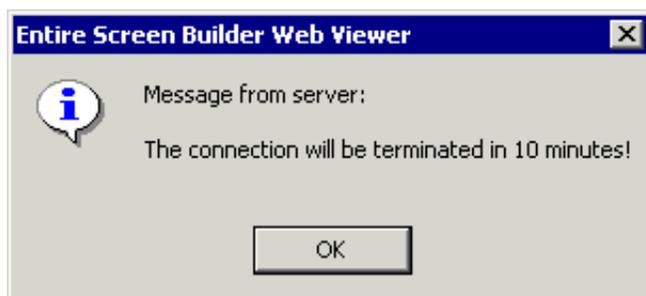


3. Enter the desired message.

For example: "The connection will be terminated in 10 minutes!".

4. Choose the **OK** button.

The message is immediately shown in the on the client side. For example:



## Deleting a Connection

When you delete a connection from the Running Connections pane, this connection is terminated (that is: the corresponding browser window is closed).

### ▶ To delete a connection

1. Select the desired connection(s).
2. From the **Action** menu, choose **Delete**.

Or:

From the context menu, choose **Delete**.

Or:

Choose the following toolbar button:



Or:

Press DEL.

A dialog box appears, asking whether you really want to delete the selected connection(s).

3. Choose the **Yes** button to delete the selected connection(s).

### ▶ To delete all connections

1. From the **Action** menu, choose **Delete All**.

**Note:**

The **Delete All** command is only available when a session has not been selected.

Or:

From the context menu, choose **Delete All**.

A dialog box appears, asking whether you really want to delete all running connections.

2. Choose the **Yes** button to delete all running connections.

## Switching Tracing On and Off

You can activate/deactivate tracing for the selected connection. This function is intended for problem analysis. It should only be used under supervision of your technical support.

**Note:**

It is also possible to switch tracing on and off using the Properties dialog box. See *Displaying the Properties*.

 **To switch tracing on and off**

1. Select the desired connection.
2. From the **Action** menu, choose **Tracing**.

Or:

From the context menu, choose **Tracing**.

Or:

Choose the following toolbar button:



When tracing has been switched on, a checkmark is shown next to the above menu command.

## Switching Statistics On and Off

You can enable/disable statistics for the selected connection.

When statistics have been enabled, the Statistics page is shown in the properties dialog box. See *Displaying the Session Properties*.

### To switch statistics on and off

1. Select the desired connection.
2. From the **Action** menu, choose **Statistics**.

Or:

From the context menu, choose **Statistics**.

Or:

Choose the following toolbar button:



When statistics have been switched on, a checkmark is shown next to the above menu command.

# Server Monitor

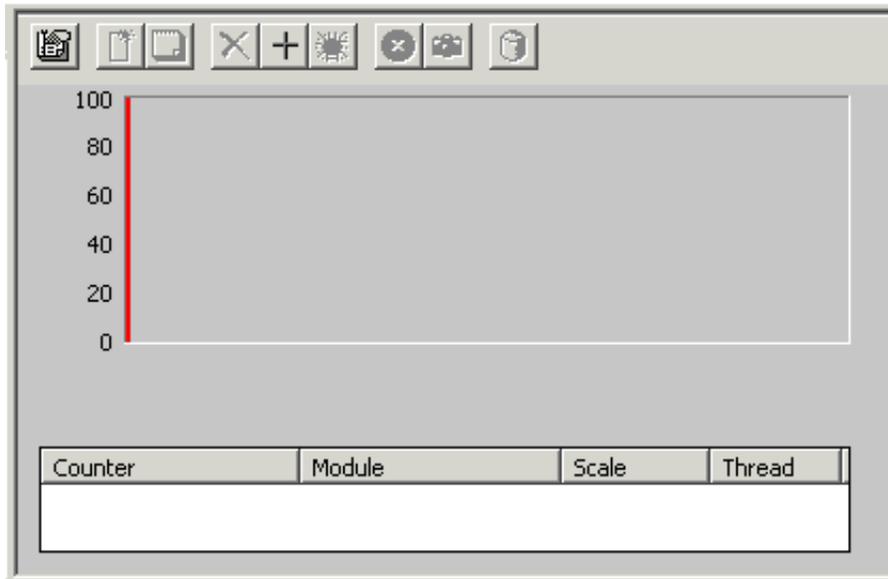
In the tree of the Server Management snap-in, select the "Server Monitor" node to display the corresponding pane.

This chapter covers the following topics:

- Elements of the Server Monitor Pane
  - Defining the Server Monitor Properties
  - Adding Counters
  - Overview of Performance Modules and Counters
  - Deleting a Counter
  - Highlighting a Curve
  - Freezing the Graph
  - Updating the Graph Manually
  - Clearing the Graph
  - Deleting All Counters and Curves
-

## Elements of the Server Monitor Pane

It is only possible to work in the Server Monitor pane when the Entire Screen Builder Server has been started. When it has been stopped, the corresponding message is shown.



The following topics describe the elements of the Server Monitor pane:

- Toolbar
- Curves for All Defined Counters
- Defined Counters

## Toolbar

The following toolbar buttons are available:

	Define properties
	Delete all counters and curves
	Clear graph
	Delete counter
	Add counters
	Highlight curve
	Freeze graph
	Update graph manually
	Currently not available.

## Curves for All Defined Counters

Curves appear after you have added the counters. A curve is shown for each defined counter. It is updated with the frequency that has been defined in the properties. This is indicated by the vertical red timebar. In the properties, you can also define the minimum and maximum numbers for the active connections that are to be shown on the vertical scale.

## Defined Counters

The defined counters are shown at the bottom of the pane. You can select one of the counters and then highlight the corresponding curve.

## Defining the Server Monitor Properties

The property values that you define are only valid for the current session. They will be lost when you exit the Server Management snap-in.

### ▶ To define the server monitor properties

1. From the context menu, choose **Properties**.

Or:

Choose the following toolbar button:



A dialog box appears in which you can define the server monitor properties.

2. Specify all required information on the different pages of the dialog box.

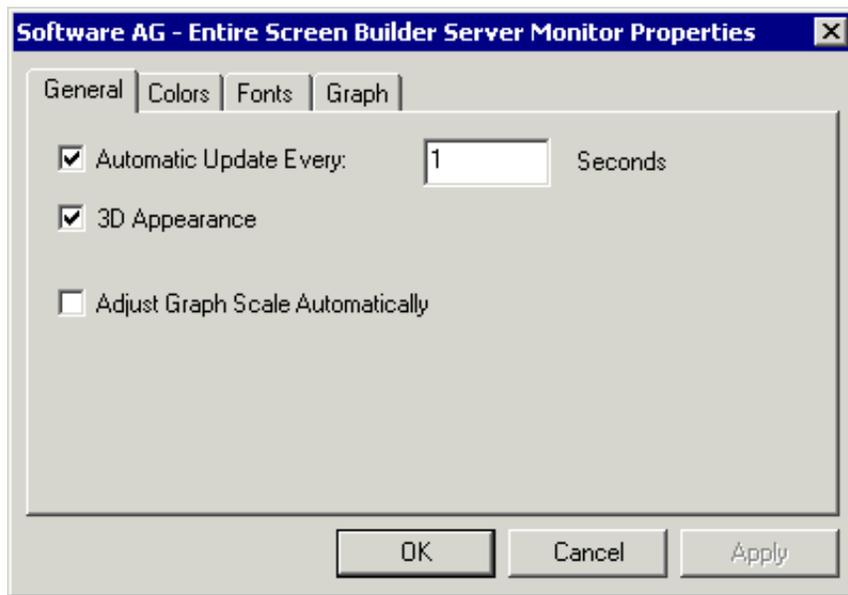
The following pages are described below:

- General
- Graph

The pages Fonts and Colors can be used, for example, to define another background color for the graph control or another font for the numbers on the vertical scale. This is standard Windows functionality and is therefore not explained in this documentation.

3. Choose the **OK** button.

## General



### Automatic Update Every $n$ Seconds

When this check box is selected, you can specify how often the graph is to be updated.

When this check box is not selected, the graph is frozen. See also: *Freezing the Graph* and *Updating the Graph Manually*

### 3D Appearance

When this check box is selected, the graph control is shown in 3D.

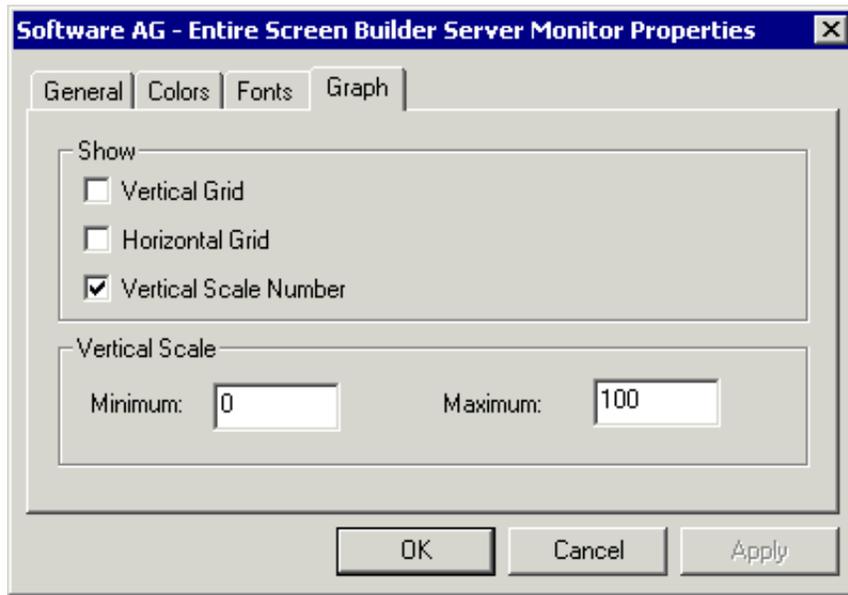
### Adjust Graph Scale Automatically

When this check box is selected, the graph scale is adjusted automatically in the following cases:

- when a curve exceeds the maximum number that has been defined for the vertical scale, or
- when the curves permanently stay 99 percent below the maximum number that has been defined for the vertical scale.

Example: the minimum number defined for the vertical scale is 0 and the maximum number is 100. If a curve now assumes the value 130 in this 1.0 scale, the scale changes to 0.1 so that 13 is displayed as the value (130 is the actual value). If the values of the curves stay between 0 and 9 permanently after the automatic adjustment, the scale will be changed back to 1.0.

## Graph



### Vertical Grid

When this check box is selected, a vertical grid is shown in the graph control.

### Horizontal Grid

When this check box is selected, a horizontal grid is shown in the graph control.

### Vertical Scale Number

When this check box is selected, the minimum and maximum numbers that have been defined in this dialog are shown on the vertical scale.

### Vertical Scale

You can define the numbers to be shown on the vertical scale. Specify the required numbers in the **Minimum** and **Maximum** text boxes.

## Adding Counters

You have to add counters for the Entire Screen Builder modules that are to be monitored. When a counter has been added, the corresponding curve is drawn.

### ▶ To add counters

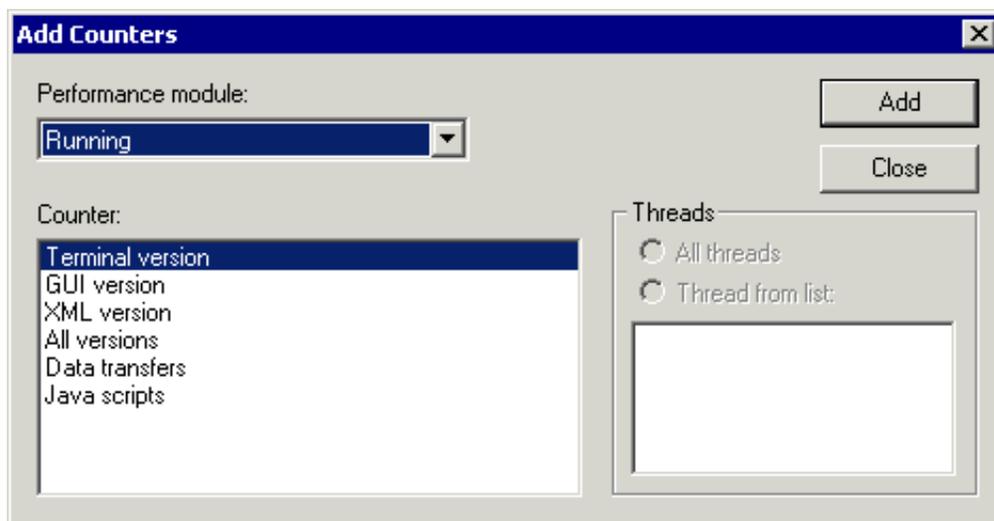
1. From the context menu, choose **Add Counters**.

Or:

Choose the following toolbar button:



The Add Counters dialog box appears.



2. Select the desired module from the **Performance module** drop-down list box.
3. Select the desired counter from the **Counter** drop-down list box.

See *Overview of Performance Modules and Counters* for further information.

4. In the Threads group box, select one of the following option buttons (not available for the performance module **Running**):
  - **All threads** if you want to monitor all treads, or
  - **Thread from list** if you want to monitor a specific tread; in this case, you have to select the desired thread in the list box. The numbers in brackets are the IDs of the threads.
5. Choose the **Add** button.
6. Repeat the above steps for each counter that you want to add.

7. Choose the **Close** button.

The defined counters are shown at the bottom of the pane and monitoring is started. A curve is drawn for each defined counter. The timebar (the vertical red line) is updated according to the frequency that has been defined in the performance properties.

## Overview of Performance Modules and Counters

The following performance modules can be selected in the Add Counters dialog box:

- Running
- Extended GUI Dialogs
- Networks
- Internal Processing
- Memory Management

## Running

When this performance module has been selected, the following counters are available for selection:

Counter	Description
Terminal Version	Number of running Terminal Version viewers.
GUI Version	Number of running GUI Version viewers.
XML Version	Number of running XML Version viewers.
All versions	Number of running viewers (Terminal Version, GUI Version and XML Version).
Data transfers	Number of running data transfers.
Java scripts	Number of running Java scripts.

## Extended GUI Dialogs

When this performance module has been selected, the following counters are available for selection:

Counter	Description
Physical BDD reads / sec	The number of times per second that the BDD file is accessed on the disk.
Logical BDD reads / sec	The number of times per second that the BDD file is accessed in memory.
Physical dialog reads / sec	The number of dialogs per second that are read from files.
Logical dialog reads / sec	The number of dialogs per second that are read from memory.
Number of memory reads / sec	The number of memory accesses per second for reading operations.
Number of file reads / sec	The number of file accesses per second for reading operations.
Time for memory read operation (msec)	The time in milliseconds used for a memory read operation. The dialog is already loaded in memory.
Time for file read operation (msec)	The time in milliseconds used for a file read operation. The dialog is read from the disk.
Number of buffer pool accesses / sec	The number of accesses to the repository per second.

## Networks

When this performance module has been selected, the following counters are available for selection:

Counter	Description
Sent screen buffers /sec	The number of screen buffers per second that have been sent to the clients.
Received screen buffers / sec	The number of screen buffers per second that have been received from the clients.
KBytes sent to client / sec	The number of kilobytes per second that have been sent to the clients.
KBytes sent to host / sec	The number of kilobytes per second that have been sent to the host.
KBytes received from client / sec	The number of kilobytes per second that have been received from the clients.
KBytes received from host / sec	The number of kilobytes per second that have been received from the host.
Time for sending to client (msec)	The total time in milliseconds for sending the buffers to the clients.
Time for sending to host (msec)	The total time in milliseconds for sending the buffers to the host.
Time for receiving from client (msec)	The total time in milliseconds for sending the buffers from the clients.
Time for receiving from host (msec)	The total time in milliseconds for sending the buffers from the host.

## Internal Processing

When this performance module has been selected, the following counters are available for selection:

Counter	Description
Number of client receive requests / sec	The number of client receive requests per second.
Number of host receive requests / sec	The number of host receive requests per second.
Number of client send requests / sec	The number of client send requests per second.
Number of host send requests / sec	The number of host send requests per second.
Number of I/O transfer requests /sec	The number of I/O transfer requests per second.
Number of processed requests / sec	The number of processed requests per second.
Number of new requests / sec	The number of new requests per second.
Time for processing client receive requests (msec)	The total time in milliseconds for processing client receive requests.
Time for processing host receive requests (msec)	The total time in milliseconds for processing host receive requests.
Time for processing client send requests (msec)	The total time in milliseconds for processing client send requests.
Time for processing host send requests (msec)	The total time in milliseconds for processing host send requests.
Time for processing I/O transfer requests (msec)	The total time in milliseconds for processing I/O transfer requests.

## Memory Management

When this performance module has been selected, the following counters are available for selection:

Counter	Description
New allocations from pool / sec	The number of new allocations from the pool per second.
Storage blocks freed from pool / sec	The number of storage blocks freed from the pool per second.
New allocations from system heap / sec	The number of new allocations from the system heap per second.
Storage blocks freed from system heap / sec	The number of storage blocks freed from the system heap per second.
New allocated memory in Mbytes /sec	The size in megabytes of new allocated memory per second.
Freed memory in Mbytes /sec	The size in megabytes of freed memory per second.
Expanded memory blocks / sec	The number of expanded memory blocks per second.
Collapsed memory blocks / sec	The number of collapsed memory blocks per second.
Number of new <i>n</i> byte blocks / sec	The number of new byte blocks (64 through 512) per second.
Number of new <i>n</i> Kbyte blocks / sec	The number of new kilobyte blocks (1 through 64) per second.
Time for new allocations from pool (msec)	The total time in milliseconds for new allocations from the pool.
Time for storage blocks freed from pool (msec)	The total time in milliseconds for storage blocks freed from the pool.
Time for new allocations from system heap (msec)	The total time in milliseconds for new allocations from the system heap.
Time for storage blocks freed from system heap (msec)	The total time in milliseconds for storage blocks freed from the system heap.
Time for memory expands (msec)	The total time in milliseconds for memory expands.
Time for memory collapses (msec)	The total time in milliseconds for memory collapses.

## Deleting a Counter

You can delete a defined counter.

### To delete a counter

1. At the bottom of the pane, select the desired counter.
2. Choose the following toolbar button:



The counter is deleted and a curve for this counter is no longer shown.

## Highlighting a Curve

You can highlight the curve for the counter that is currently selected.

### To highlight a curve

1. At the bottom of the pane, select the desired counter.
2. Choose the following toolbar button:



The curve for the selected counter is highlighted.

## Freezing the Graph

You can stop (freeze) and restart the automatic update of the graph.

### Note:

The frequency for the automatic update is defined in the performance properties.

#### ▶ To freeze the graph

- Choose the following toolbar button:



When the automatic update has been stopped, the toolbar button appears in down status.

#### ▶ To restart the automatic update of the graph

- Choose the above toolbar button once more.

## Updating the Graph Manually

When the automatic update has been stopped (see *Freezing the Graph*), you can manually update the graph.

#### ▶ To update of the graph manually

- Choose the following toolbar button:



The graph is updated each time you choose the above toolbar button.

## Clearing the Graph

You can delete all curves. The counters are not deleted.

### ▶ To clear the graph

- Choose the following toolbar button:



The old curves are deleted and new curves are drawn. The vertical timebar indicates the update process.

## Deleting All Counters and Curves

You can delete all counters, including all corresponding curves.

### ▶ To delete all counters and curves

- Choose the following toolbar button:



# Host Sessions

In the tree of the Server Management snap-in, select the "Host Sessions" node (which is a part of the "Configuration" node) to display the corresponding pane.

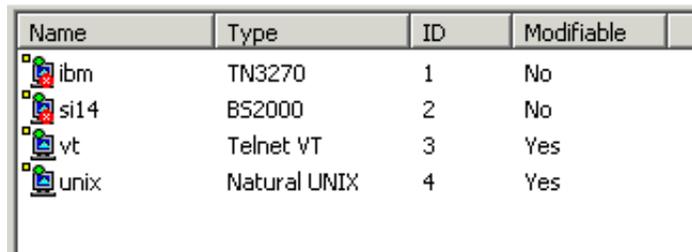
This chapter covers the following topics:

- Elements of the Host Sessions Pane
  - Displaying the Session Properties
  - Adding a Host Session
  - Renaming a Host Session
  - Deleting a Host Session
- 

## Elements of the Host Sessions Pane

The Host Sessions pane is only shown when the Entire Screen Builder Server has been started and when host sessions have been defined. When the Entire Screen Builder Server has been stopped or if host sessions have not yet been defined, the corresponding message is shown.

When host sessions have been defined, the Host Sessions pane is shown in the console window.



Name	Type	ID	Modifiable
ibm	TN3270	1	No
si14	BS2000	2	No
vt	Telnet VT	3	Yes
unix	Natural UNIX	4	Yes

The following topics describe the elements of the Host Sessions pane:

- Toolbar
- Host Sessions

## Toolbar

The following toolbar buttons are available:



Delete host session



Display properties



Refresh list of host sessions

### Note:

Some toolbar buttons are only shown when a session has been selected in the Host Sessions pane.

## Host Sessions

When host sessions have been defined, the Host Sessions pane contains several columns providing the following information:

- An icon indicating whether the host session can be modified:



The host session cannot be modified.



The host session can be modified.

- The name of the host session.
- The type of host session (for example, TN3270).
- The session ID that was automatically created when this host session has been added.
- Whether the host session can be modified ("Yes" or "No").

If you want to modify host sessions, you have to switch on administration mode.

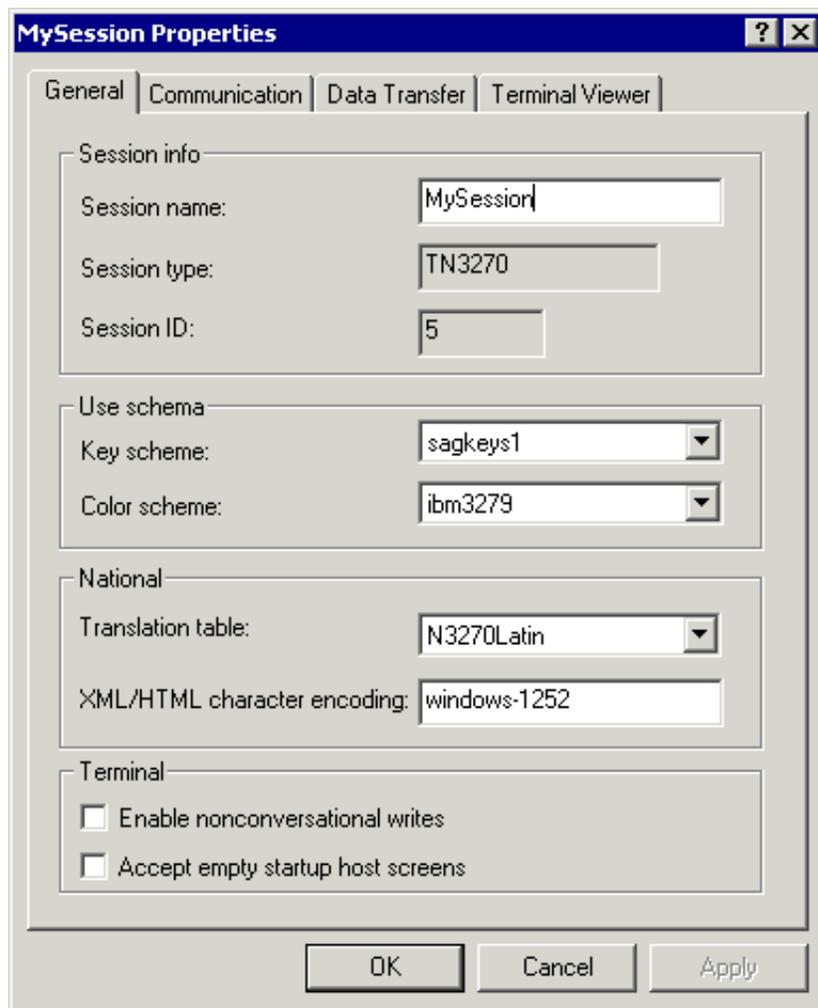
### Note:

It is possible to remove columns from the Host Sessions pane. See *Customizing the Columns*.

## Displaying the Session Properties

The session properties show detailed information about a host session.

When the Entire Screen Builder Server has been set to administration mode, the properties can be modified.



See *Host Sessions* in Entire Screen Builder's *System Management Hub* documentation for detailed information on the properties that are available in the above dialog box.

### ▶ To display the session properties

- Select the desired session and from the **Action** menu, choose **Properties**.

Or:

Select the desired connection and from the context menu, choose **Properties**.

Or:

Select the desired connection and choose the following toolbar button:



Or:

Double-click the desired connection.

## Adding a Host Session

You can add new host sessions of the following types:

- TN3270
- Telnet VT
- Natural UNIX
- BS2000

As long as the Entire Screen Builder Server is not restarted with the System Management Hub, you can edit the properties of a new session. After a restart of the Entire Screen Builder Server, the new session is also available in the System Management Hub. In this case, you can only modify the properties of this session when you set the Entire Screen Builder Server to administration mode.

### ▶ To add a host session

- From the **Action** menu, choose **New > session-type**.

Or:

From the context menu, choose **New > session-type**.

A new session with the name "New Session" is created. You can now use the **Properties** command to define all required properties. See *Displaying the Properties*.

## Renaming a Host Session

When you rename a host session in the Host Sessions pane, this session is also renamed in the System Management Hub.

When the host session is not yet available in the System Management Hub, it can be renamed immediately. When it is already available in the System Management Hub, it can only be renamed in administration mode.

### To rename a host session

1. Select the desired host session.
2. From the **Action** menu, choose **Rename**.

Or:

From the context menu, choose **Rename**.

Or:

Press F2.

The session name is selected.

3. Enter a new name for the host session and press ENTER.

A dialog box appears, asking whether you want to rename the host session.

4. Choose the **Yes** button to rename the host session.

## Deleting a Host Session

When you delete a host session from the Host Sessions pane, this session is also deleted in the System Management Hub.

When the host session is not yet available in the System Management Hub, it can be deleted immediately. When it is already available in the System Management Hub, it can only be deleted in administration mode.

### To delete a host session

1. Select the desired host session(s).
2. From the **Action** menu, choose **Delete**.

Or:

From the context menu, choose **Delete**.

Or:

Choose the following toolbar button:



Or:

Press DEL.

A dialog box appears, asking whether you really want to delete the selected host session(s).

3. Choose the **Yes** button to delete the selected host session(s).

# Key Schemes

In the tree of the Server Management snap-in, select the "Key Schemes" node (which is a part of the "Configuration" node) to display the corresponding pane.

This chapter covers the following topics:

- Elements of the Key Schemes Pane
- Adding a Key Scheme
- Modifying a Key Scheme
- Listing the Defined Keys
- Duplicating a Key Scheme
- Renaming a Key Scheme
- Deleting a Key Scheme

See *Key Schemes* in Entire Screen Builder's *System Management Hub* documentation for further information on key schemes.

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## Elements of the Key Schemes Pane

The Key Schemes pane is only shown when the Entire Screen Builder Server has been started and when key schemes have been defined. When the Entire Screen Builder Server has been stopped or if key schemes have not yet been defined, the corresponding message is shown.

When key schemes have been defined, the Key Schemes pane is shown in the console window.

Name	Type	ID	Modifiable
 sagkeys1	TN3270	1	No
 natkeys1	Natural UNIX	2	No
 bs2keys1	B52000	3	No
 sagkeys2	TN3270	4	No
 as400keys	TN3270	5	No
 VT220PC	VT	6	No
 MyKeys	TN3270	7	Yes

The following topics describe the elements of the Key Schemes pane:

- Toolbar
- Key Schemes

## Toolbar

The following toolbar buttons are available:



Delete key scheme



Refresh list of key schemes

### Note:

Some toolbar buttons are only shown when a key scheme has been selected in the Key Schemes pane.

## Key Schemes

When key schemes have been defined, the Key Schemes pane contains several columns providing the following information:

- An icon indicating whether the key scheme can be modified:



The key scheme cannot be modified.



The key scheme can be modified.

- The name of the key scheme.
- The type of key scheme (for example, TN3270).
- The ID that was automatically created when this key scheme has been added.
- Whether the key scheme can be modified ("Yes" or "No").

If you want to modify key schemes, you have to switch on administration mode.

### Note:

It is possible to remove columns from the Key Schemes pane. See *Customizing the Columns*.

## Adding a Key Scheme

You can add new key schemes of the following types:

- TN3270
- BS2000
- VT
- Natural UNIX / VT

As long as the Entire Screen Builder Server is not restarted with the System Management Hub, you can edit a new key scheme. After a restart of the Entire Screen Builder Server, the new key scheme is also available in the System Management Hub. In this case, you can only modify the key scheme when you set the Entire Screen Builder Server to administration mode.

### To add a key scheme

- From the **Action** menu, choose **New > *key-scheme-type***.

Or:

From the context menu, choose **New > *key-scheme-type***.

A new key scheme with the name "New Key Scheme" is created. You can now use the **Modify** command to define all required keys. See *Modifying a Key Scheme*.

## Modifying a Key Scheme

When the Entire Screen Builder Server has been set to administration mode, a key scheme can be modified.

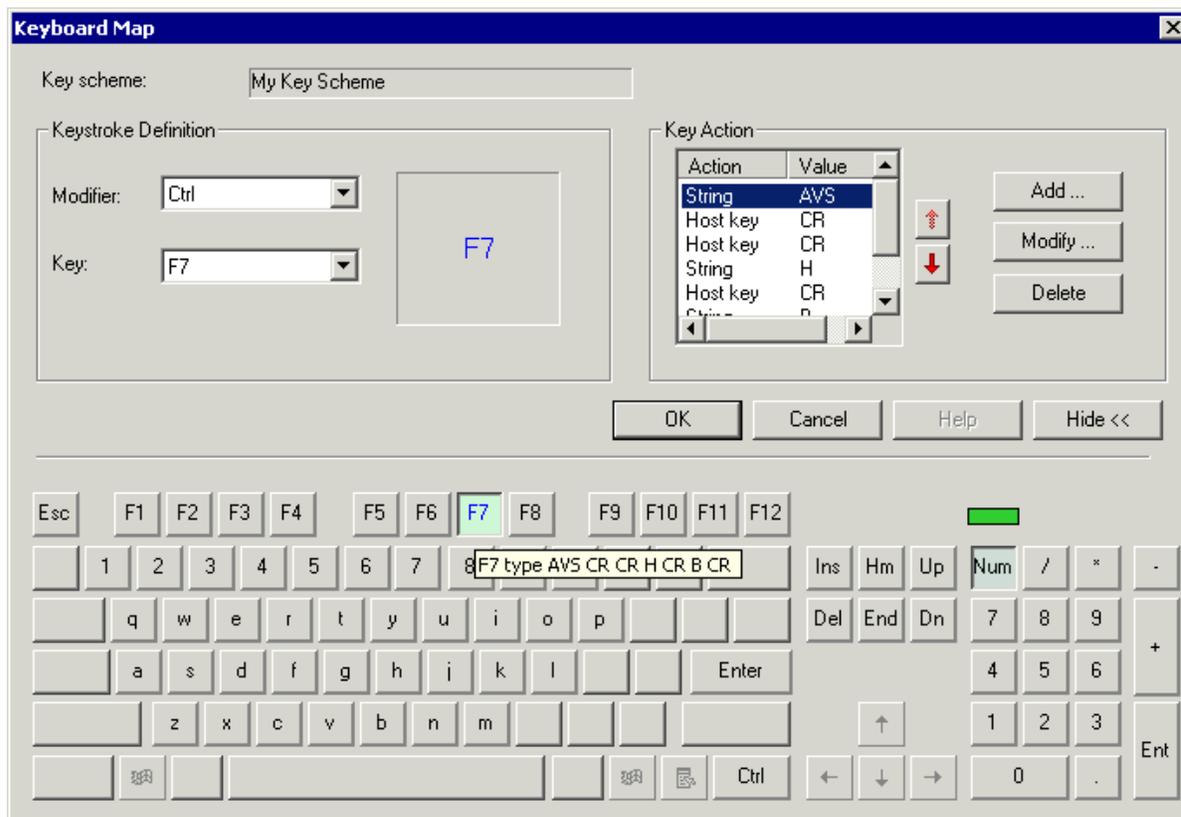
### ▶ To modify a key scheme

- Select the desired key scheme and from the **Action** menu, choose **Modify**.

Or:

Select the desired key scheme and from the context menu, choose **Modify**.

A dialog box appears in which you can modify the key scheme. For example:



See *Modifying a Key Scheme* in the *Individual Session Settings* documentation for detailed information on this dialog box.

## Listing the Defined Keys

For each key scheme, you can display a list of defined keys. You can write the key definitions for the currently shown key scheme to a file or you can directly print them.

▶ **To display the list of defined keys**

- Select the desired key scheme and from the **Action** menu, choose **Defined Keys**.

Or:

Select the desired key scheme and from the context menu, choose **Defined Keys**.

Or:

Double-click the desired key scheme.

Or:

The Defined Keys dialog box appears.



### ▶ To write the key definitions to a file

1. In the Defined Keys dialog box, choose the **Save** button.

The Save As dialog box appears.

2. Specify a file name.
3. Choose the **Save** button.

### ▶ To print key definitions

1. In the Defined Keys dialog box, choose the **Print** button.

The Print dialog box appears. You can print the key definitions on a printer defined under Windows.

2. Choose the **OK** button.

## Duplicating a Key Scheme

You can copy an existing key scheme.

As long as the Entire Screen Builder Server is not restarted with the System Management Hub, you can edit the key scheme you have just copied. After a restart of the Entire Screen Builder Server, the copied key scheme is also available in the System Management Hub. In this case, you can only modify the key scheme when you set the Entire Screen Builder Server to administration mode.

### ▶ To duplicate a key scheme

1. Select the desired key scheme and from the **Action** menu, choose **Duplicate**.

Or:

Select the desired key scheme and from the context menu, choose **Duplicate**.

A dialog box appears asking whether you want to duplicate the selected key scheme.

2. Choose the **Yes** button.

A new key scheme with the name "Copy of *key-scheme-name*" is created. You can now use the **Rename** command to specify another name. See *Renaming a Key Scheme*.

## Renaming a Key Scheme

When you rename a key scheme in the Key Schemes pane, this key scheme is also renamed in the System Management Hub.

When the key scheme is not yet available in the System Management Hub, it can be renamed immediately. When it is already available in the System Management Hub, it can only be renamed in administration mode.

### To rename a key scheme

1. Select the desired key scheme.
2. From the **Action** menu, choose **Rename**.

Or:

From the context menu, choose **Rename**.

Or:

Press F2.

The key scheme is selected.

3. Enter a new name for the key scheme and press ENTER.

A dialog box appears, asking whether you want to rename the key scheme.

4. Choose the **Yes** button to rename the key scheme.

## Deleting a Key Scheme

When you delete a key scheme from the Key Schemes pane, this key scheme is also deleted in the System Management Hub.

When the key scheme is not yet available in the System Management Hub, it can be deleted immediately. When it is already available in the System Management Hub, it can only be deleted in administration mode.

### To delete a key scheme

1. Select the desired key scheme(s).
2. From the **Action** menu, choose **Delete**.

Or:

From the context menu, choose **Delete**.

Or:

Choose the following toolbar button:



Or:

Press DEL.

A dialog box appears, asking whether you really want to delete the selected key scheme(s).

3. Choose the **Yes** button to delete the selected key scheme(s).

# Color Schemes

In the tree of the Server Management snap-in, select the "Color Schemes" node (which is a part of the "Configuration" node) to display the corresponding pane.

This chapter covers the following topics:

- Elements of the Color Schemes Pane
- Adding a Color Scheme
- Modifying a Color Scheme
- Renaming a Color Scheme
- Deleting a Color Scheme

See *Color Schemes* in Entire Screen Builder's *System Management Hub* documentation for further information on color schemes.

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## Elements of the Color Schemes Pane

The Color Schemes pane is only shown when the Entire Screen Builder Server has been started and when color schemes have been defined. When the Entire Screen Builder Server has been stopped or if color schemes have not yet been defined, the corresponding message is shown.

When color schemes have been defined, the Color Schemes pane is shown in the console window.

Name	Type	ID	Modifiable
 sagcolors	Mainframe	1	No
 SagBlue	Mainframe	2	No
 bs2cols	Mainframe	3	No
 ibm3279	Mainframe	4	No
 monochrome1	Mainframe	5	No
 monochrome2	Mainframe	6	No
 VTColors	VT	7	No
 MyColors	Mainframe	8	Yes

The following topics describe the elements of the Color Schemes pane:

- Toolbar
- Color Schemes

## Toolbar

The following toolbar buttons are available:



Delete color scheme



Refresh list of color schemes

### Note:

Some toolbar buttons are only shown when a color scheme has been selected in the Color Schemes pane.

## Color Schemes

When color schemes have been defined, the Color Schemes pane contains several columns providing the following information:

- An icon indicating whether the color scheme can be modified:



The color scheme cannot be modified.



The color scheme can be modified.

- The name of the color scheme.
- The type of color scheme:
  - Mainframe (applies to sessions of type Telnet TN3270 and BS2000).
  - VT (applies to sessions of type Telnet VT and Natural UNIX).
- The ID that was automatically created when this color scheme has been added.
- Whether the color scheme can be modified ("Yes" or "No").

If you want to modify color schemes, you have to switch on administration mode.

### Note:

It is possible to remove columns from the Color Schemes pane. See *Customizing the Columns*.

## Adding a Color Scheme

You can add new color schemes of the following types:

- TN3270 and BS2000 (also called mainframe color scheme)
- Natural UNIX and VT (also called VT color scheme)

As long as the Entire Screen Builder Server is not restarted with the System Management Hub, you can edit a new session. After a restart of the Entire Screen Builder Server, the new color scheme is also available in the System Management Hub. In this case, you can only modify the color scheme when you set the Entire Screen Builder Server to administration mode.

### To add a color scheme

- From the **Action** menu, choose **New > color-scheme-type**.

Or:

From the context menu, choose **New > color-scheme-type**.

A new color scheme with the name "New Color Scheme" is created. You can now use the **Modify** command to define all required colors. See *Modifying a Color Scheme*.

## Modifying a Color Scheme

When the Entire Screen Builder Server has been set to administration mode, a color scheme can be modified.

### ▶ To modify a color scheme

- Select the desired color scheme and from the **Action** menu, choose **Modify**.

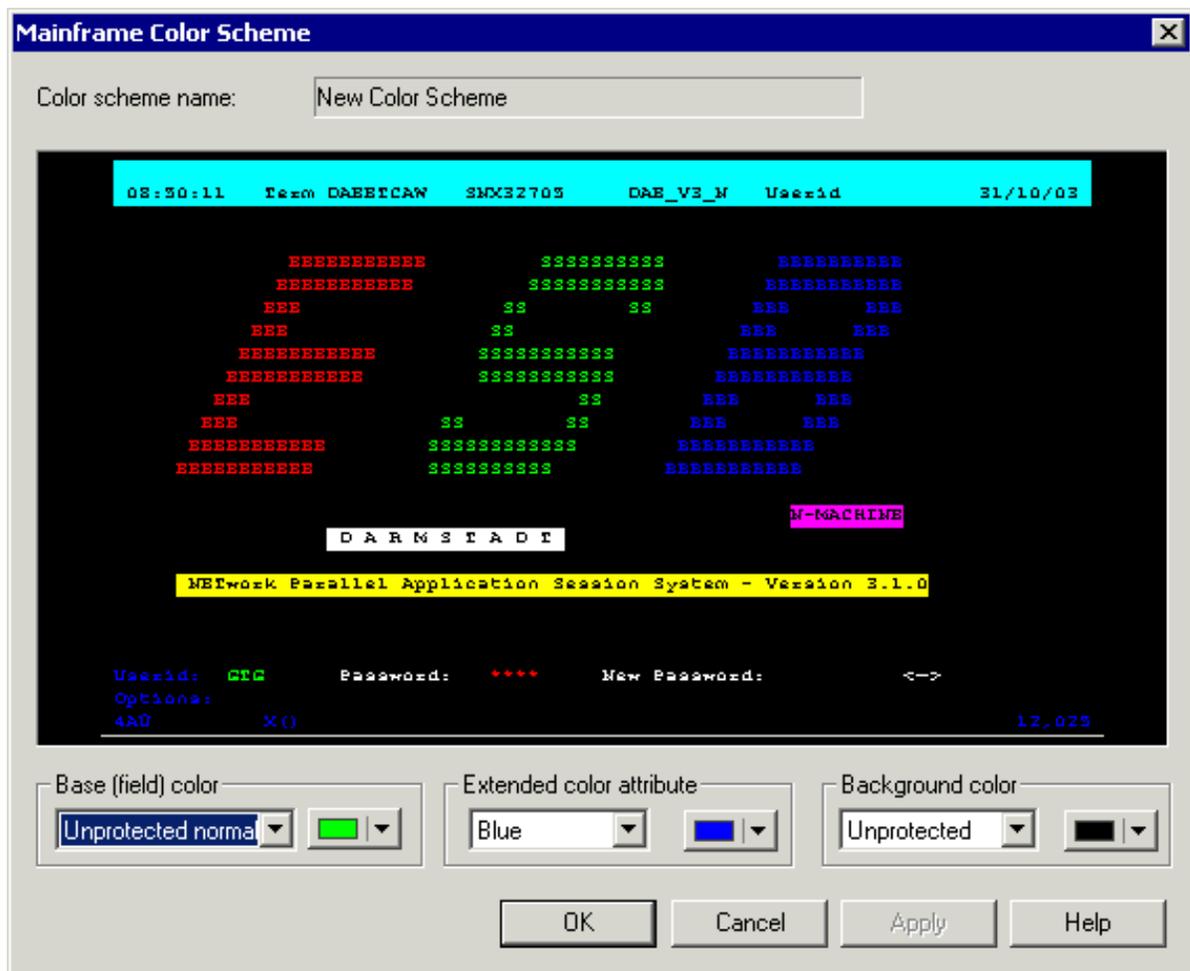
Or:

Select the desired color scheme and from the context menu, choose **Modify**.

Or:

Double-click the desired color scheme.

A dialog box appears in which you can modify the color scheme. For example:



See *Mainframe Color Scheme* and *VT Color Scheme* in the *Individual Session Settings* documentation for detailed information on this dialog box.

## Renaming a Color Scheme

When you rename a color scheme in the Color Schemes pane, this color scheme is also renamed in the System Management Hub.

The default color schemes "ibm3279", "bs2cols" and "VTColors" cannot be renamed.

When the color scheme is not yet available in the System Management Hub, it can be renamed immediately. When it is already available in the System Management Hub, it can only be renamed in administration mode.

### To rename a color scheme

1. Select the desired color scheme.
2. From the **Action** menu, choose **Rename**.

Or:

From the context menu, choose **Rename**.

Or:

Press F2.

The color scheme is selected.

3. Enter a new name for the color scheme and press ENTER.

A dialog box appears, asking whether you want to rename the color scheme.

4. Choose the **Yes** button to rename the color scheme.

## Deleting a Color Scheme

When you delete a color scheme from the Color Schemes pane, this color scheme is also deleted in the System Management Hub.

The default color schemes "ibm3279", "bs2cols" and "VTCOLORS" cannot be deleted.

When the color scheme is not yet available in the System Management Hub, it can be deleted immediately. When it is already available in the System Management Hub, it can only be deleted in administration mode.

### To delete a color scheme

1. Select the desired color scheme(s).
2. From the **Action** menu, choose **Delete**.

Or:

From the context menu, choose **Delete**.

Or:

Choose the following toolbar button:



Or:

Press DEL.

A dialog box appears, asking whether you really want to delete the selected color scheme(s).

3. Choose the **Yes** button to delete the selected color scheme(s).