

Overview of Client Control Properties

Properties are configuration data for the viewers. They define the behavior and appearance of the viewers and also tell them what to do at startup time.

You must set the properties before the viewer is activated by the `Connect` method for the GUI viewers or the `Initialise` method for the Terminal Viewer. Once this method has been called, changing properties has no effect, i.e. these properties are only read *before* `Connect` or `Initialise` is called and never read again unless the control is disconnected and `Connect` or `Initialise` is called again.

For most properties, there are default values which are used by the viewers if the property is not explicitly set.

The way you set the properties and the exact syntax depends on the viewer, but more on the language you use. The sample HTML files you find after installation in the Entire Screen Builder folders *web viewer* and *terminal viewer* show you how to preset the properties in HTML (`<param tag in the object tag;` for example, `<param name="BACKGROUND" value="192,192,192">`), and how to set the properties with Visual Basic Script which is embedded in the HTML code (see the `onclick` handling for the **Connect** button).

For the Windows Viewer, the properties can be set when you invoke the Windows Viewer or in the SDK's Client Control Properties dialog box.

The following properties are available:

- AllowPopupMenu
- AnonymousLogon
- AutoDisconnect
- Background
- Compressed
- Connection
- Embedded
- HttpPort
- HttpServer
- PollTimeout
- Port
- PortNumber
- ReceiveTimeout

- Repository
- SecureHttp
- Server
- ServerName
- ShowSplash
- SslConnection
- Tunneling
- TunnelingPollTime
- TunnelingType
- UnixLogon
- UsePCLogonName
- UseHttpTunneling

Note:

The property names are case-insensitive. The upper-lower case spelling for the above property names is only used for better readability.

AllowPopupMenu

Determines whether a context menu is shown when the user clicks the right mouse button (true) in a viewer or not (false).

Type

boolean

Default Value

true

Usage

Terminal Viewer:	No
Web Viewer:	Yes
Windows Viewer:	No

AnonymousLogon

If set to true, an anonymous logon is made to the Entire Screen Builder Server.

If set to false, the User Authentication dialog box appears and the user has to specify user name and password as defined with the System Management Hub. The user is then logged on to his user profile in the Entire Screen Builder Server. See *Users* in Entire Screen Builder's *System Management Hub* documentation for further information.

Type

boolean

Default Value

true

Usage

Terminal Viewer:	Yes
Web Viewer:	Yes
Windows Viewer:	Yes

AutoDisconnect

If set to true, the session is disconnected automatically when a multi screen rule fails (for example, when the extended dialog cannot be loaded or when the detection of a green screen fails).

If set to false, the session is not disconnected when a multi screen rule fails. In this case, the screen will be displayed with the rules defined for this screen (normal rules processing).

Type

boolean

Default Value

false

Usage

Terminal Viewer:	No
Web Viewer:	Yes
Windows Viewer:	Yes

Background

The color for the area outside the defined dialog.

Type

COLORREF

Default Value

192,192,192

Usage

Terminal Viewer:	No
Web Viewer:	Yes
Windows Viewer:	Yes

Compressed

Enable or disable the compression mechanism between the Entire Screen Builder Server and the viewer.

Type

boolean

Default Value

true

Usage

Terminal Viewer:	No
Web Viewer:	Yes
Windows Viewer:	Yes

Connection

Corresponds to the **Session ID** property defined with the System Management Hub. See *Host Sessions* in Entire Screen Builder's *System Management Hub* documentation for further information.

The connection number 0 has a special meaning. See *Startup Scripts* in the *Script Files* documentation.

Type

long

Default Value

1

Usage

Terminal Viewer:	Yes
Web Viewer:	Yes
Windows Viewer:	Yes

Embedded

If set to true, a screen or dialog is shown inside the HTML page (embedded). All controls are then created inside the HTML page.

If set to false, an additional window is created outside the HTML page. You can then, for example, move or minimize this window independently of the browser window.

Type

boolean

Default Value

true for the GUI Viewers

false for the Terminal Viewer

Usage

Terminal Viewer:	Yes
Web Viewer:	Yes
Windows Viewer:	No

HttpPort

This property applies to the GUI viewers. Its behavior depends on the setting of the `Tunneling` property (i.e. whether tunneling is enabled or disabled).

If tunneling is disabled, this is the number of the port where the internal image server listens.

If tunneling is enabled, this is the number of the port where the HTTP server used for tunneling listens.

Type

short

Default Value

30000

Usage

Terminal Viewer:	No
Web Viewer:	Yes
Windows Viewer:	Yes

HttpServer

This property applies to the GUI viewers. Its behavior depends on the setting of the Tunneling property (i.e. whether tunneling is enabled or disabled).

If tunneling is disabled, this is the IP address or host name of the machine on which the Entire Screen Builder Server is running.

If tunneling is enabled, this is the IP address or host name of the machine on which the HTTP server used for tunneling is running.

Type

BSTR

Default Value

localhost

Enter the name of the PC, if you encounter problems with images that are not displayed.

Usage

Terminal Viewer:	No
Web Viewer:	Yes
Windows Viewer:	Yes

PollTimeout

Applies only when `UseHttpTunneling` has been enabled for the Terminal Viewer.

The time in seconds the terminal viewer polls the tunneling server for new data (asynchronous messages and screens).

Note:

The GUI viewers use the `TunnelingPollTime` property.

Type

long

Default Value

20 seconds

Usage

Terminal Viewer:	Yes
Web Viewer:	No
Windows Viewer:	No

Port

The number of the port where the Entire Screen Builder Server listens for the GUI viewers.

This property is not used when tunneling has been enabled with `Tunneling`. See also `HttpPort`.

Note:

The Terminal Viewer uses the `PortNumber` property.

Type

short

Default Value

22367

Usage

Terminal Viewer:	No
Web Viewer:	Yes
Windows Viewer:	Yes

PortNumber

This property applies to the Terminal Viewer. Its behavior depends on the setting of the `UseHttpTunneling` property (i.e. whether tunneling is enabled or disabled).

If tunneling is disabled, this is the number of the port where the Entire Screen Builder Server listens for the Terminal Viewers.

If tunneling is enabled, this is the number of the port where the HTTP server that is used for tunneling listens.

Note:

The GUI viewers use the `Port` property.

Type

short

Default Value

22340

Usage

Terminal Viewer:	Yes
Web Viewer:	No
Windows Viewer:	No

ReceiveTimeout

This timeout is used to stop the viewer hanging in the highly unlikely event of network disruption causing a TCP packet to be dropped during transmission. The viewer will wait the defined number of seconds. If there is no response from the server, the connection will be terminated.

If this timeout is set to zero, it will not be used.

It is recommended that this timeout be set only in the case where you experience this specific problem.

Type

long

Default Value

0 seconds

Usage

Terminal Viewer:	Yes
Web Viewer:	Yes
Windows Viewer:	No

Repository

An alias name defined in the system in which the internal image server or the Web server is running. This alias points to a folder which contains the images that are used in your applications.

For the internal image server, this alias is defined with the System Management Hub. See *Alias List* in Entire Screen Builder's *System Management Hub* documentation.

Type

BSTR

Default Value

ESB_Repository

Usage

Terminal Viewer:	No
Web Viewer:	Yes
Windows Viewer:	Yes

SecureHttp

Applies only when Tunneling has been enabled for the GUI viewers. Can only be used for an external Web server.

If set to true, the SSL (Secure Socket Layer) protocol is enabled for all HTTP communication, thus providing secure communication. HTTP is used for downloading images.

You must also enable SSL on your HTTP server.

Note:

The Terminal Viewer uses the `SslConnection` property.

Type

boolean

Default Value

false

Usage

Terminal Viewer:	No
Web Viewer:	Yes
Windows Viewer:	Yes

Server

This property applies to the GUI viewers. It defines the IP address or host name of the machine on which the Entire Screen Builder Server is running.

If the Entire Screen Builder Server and the SDK are on the same machine, you may use "localhost" for the local machine.

This property is not used when tunneling has been enabled with `Tunneling`. See also `HttpServer`.

Note:

The Terminal Viewer uses the `ServerName` property.

Type

BSTR

Default Value

localhost

Usage

Terminal Viewer:	No
Web Viewer:	Yes
Windows Viewer:	Yes

ServerName

This property applies to the Terminal Viewer. Its behavior depends on the setting of the `UseHttpTunneling` property (i.e. whether tunneling is enabled or disabled).

If tunneling is disabled, this is the IP address or host name of the machine on which the Entire Screen Builder Server is running.

If tunneling is enabled, this is the IP address or host name of the machine on which the HTTP server used for tunneling is running.

If the Entire Screen Builder Server and the SDK are on the same machine, you may use "localhost" for the local machine.

Note:

The GUI viewers use the `Server` property.

Type

BSTR

Default Value

localhost

Usage

Terminal Viewer:	Yes
Web Viewer:	No
Windows Viewer:	No

ShowSplash

If set to true, the splash screen for the Entire Screen Builder viewer is shown when not connected to the Entire Screen Builder Server.

If set to false, the client screen is blank.

Type

boolean

Default Value

true

Usage

Terminal Viewer:	No
Web Viewer:	Yes
Windows Viewer:	No

SslConnection

Applies only when `UseHttpTunneling` has been enabled for the Terminal Viewer. Can only be used for an external Web server.

If set to true, the SSL (Secure Socket Layer) protocol is enabled for all HTTP communication, thus providing secure communication. HTTP is used for downloading images.

You must also enable SSL on your HTTP server.

Note:

The GUI viewers use the `SecureHttp` property.

Type

boolean

Default Value

false

Usage

Terminal Viewer:	Yes
Web Viewer:	No
Windows Viewer:	No

Tunneling

This property applies to the GUI viewers.

Enable or disable the tunneling mechanism for sending and receiving the packets through the Web server (to traverse firewalls and/or proxies).

This property should only be set to true when connected from the Internet and when the Entire Screen Builder extension modules have been installed on the machine on which the Web server is running. See *HTTP Tunneling* in the *Installation and Configuration* documentation for further information.

Note:

The Terminal Viewer uses the `UseHttpTunneling` property.

Type

boolean

Default Value

false

Usage

Terminal Viewer:	No
Web Viewer:	Yes
Windows Viewer:	Yes

TunnelingPollTime

Applies only when Tunneling has been enabled for the GUI viewers.

The time in seconds the GUI viewers poll the tunneling server for new data (asynchronous messages and screens).

Note:

The Terminal Viewer uses the PollTimeout property.

Type

long

Default Value

20 seconds

Usage

Terminal Viewer:	No
Web Viewer:	Yes
Windows Viewer:	Yes

TunnelingType

This property is used when tunneling has been enabled with `Tunneling` for the GUI Viewers, or with `UseHttpTunneling` for the Terminal Viewer.

In this case, you must also define the type of external Web server that is installed in your environment (including the production environment).

Use either "M" (Microsoft Internet Information Server) or "A" (Apache Web Server).

Type

BSTR

Default Value

M

Usage

Terminal Viewer:	Yes
Web Viewer:	Yes
Windows Viewer:	Yes

UnixLogon

Used to connect to a Natural UNIX or Natural OpenVMS application.

For Natural UNIX, this only applies when security has been enabled in *\$NATDIR/\$NSWNODE/services.dat* on the Natural UNIX host; see *Installing Entire Screen Builder on Natural UNIX Hosts* in the *Installation and Configuration* documentation.

Under OpenVMS, user name and password are always checked; if this property is set to false, login will fail.

If set to true, a dialog box is shown to get the logon information for a UNIX or OpenVMS system. See also: *Using the GUI Viewers with Natural on UNIX and OpenVMS Hosts* in the *Installation and Configuration* documentation.

Type

boolean

Default Value

false

Usage

Terminal Viewer:	No
Web Viewer:	Yes
Windows Viewer:	Yes

UsePCLogonName

If set to true, the client attempts to connect to the Entire Screen Builder Server using the name of the PC user that is currently logged on.

Type

boolean

Default Value

false

Usage

Terminal Viewer:	Yes
Web Viewer:	Yes
Windows Viewer:	Yes

UseHttpTunneling

This property applies to the Terminal Viewer.

Enable or disable the tunneling mechanism for sending and receiving the packets through the Web server (to traverse firewalls and/or proxies).

This property should only be set to true when connected from the Internet and when the Entire Screen Builder extension modules have been installed on the machine on which the Web server is running. See *HTTP Tunneling* in the *Installation and Configuration* documentation for further information.

Note:

The GUI viewers use the Tunneling property.

Type

boolean

Default Value

false

Usage

Terminal Viewer:	Yes
Web Viewer:	No
Windows Viewer:	No