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Installing & activating RSView32 WebServer

About RSView32 WebServer

RSView32 WebServer™ expands your view on the web. Now you can quickly browse static snapshot views from an RSView32 project, including graphic displays, tags, and alarms, through any standard web browser.

System requirements

RSView32 WebServer clients need only a standard web browser that supports HTML 3.2, such as Microsoft Internet Explorer 5.0 or later. Anyone with a valid RSView32 user account can connect to an RSView32 project without any special hardware or software.

RSView32 WebServer 7.60.00 requires RSView32 version 7.60.00. Recommended requirements for RSView32 WebServer are based on the requirements for RSView32, but may require a faster processor or more RAM, depending on the size and complexity of your projects.

Recommended hardware. Personal computer with 200 MHz Intel® Pentium® processor and 64 MB of RAM. Individual applications may require a faster processor or more RAM.

Required web server. If you are running Windows Vista Business or Windows Server 2008, you need Microsoft Internet Information Server (IIS) 7.0. If you are running Windows XP or Windows 2000, you need Microsoft Internet Information Server (IIS) 5.0. If you are running Windows 2003 Server, you need Microsoft Internet Information Server (IIS) 6.0. If you are running Windows 7 Professional or Windows Vista, you need Microsoft Internet Information Server (IIS) 7.5.

Installing software components
For RSView32 WebServer to run, in addition to installing the WebServer software, you may also need to install and configure some software components that provide services to the Windows 2003 Server, Windows XP Professional, Windows 2000, Windows Vista Business, Windows 7 or Windows Server 2008 operating systems and allow RSView32 WebServer to perform its tasks at runtime.

The order in which you install components is important. Install the Windows service pack after all installing all other operating system components.

Installing Microsoft Internet services
Windows 2003 Server, Windows XP Professional, Windows 2000, Windows Vista Business, Windows 7 and Windows Server 2008 operating systems require Microsoft Internet Information Server (IIS) software to run as Internet servers. RSView32 WebServer takes advantage of these Microsoft Internet services to communicate with clients.

IMPORTANT If you have RSView32 Active Display System installed on your computer, uninstall it and then shut down and restart the computer before installing or upgrading IIS. Re-install Active Display, and then shut down and restart the computer before installing RSView32 WebServer. See Installing RSView32 Active Display System on page 3 for more information.

For information about installing Internet Information Server or Personal Web Server, see the documentation supplied with the Windows operating system.

**Installing Windows service packs**

For Windows Server 2008 we recommend that you install Service Pack 2. For Windows S7 we recommend that you install Service Pack 1. For Windows Vista we recommend that you install Service Pack 1. For Windows XP we recommend that you install Service Pack 1 or later. For Windows Server 2003 Standard Edition we recommend that you install Service Pack 1 or later. For Windows 2000, we recommend that you install Service Pack 4. Check the Microsoft website for Service Pack updates.

**TIP**

Installing and configuring Dial-up Networking is not necessary to run RSView32 WebServer. If you do install Dial-up Networking, be sure you also reinstall the appropriate Windows service pack.

**Installing RSView32 Works or Runtime**

If you have not done so already, install and activate either RSView32 Works or Runtime, and then restart your computer before installing RSView32 WebServer. For installation and activation instructions, refer to the documentation provided with the RSView32 software.

**Installing RSView32 Active Display System**

You can install RSView32 Active Display System and RSView32 WebServer on the same computer, and you can run both products at the same time. However, both products require IIS 5.0 or later. To run both RSView32 Active Display System and RSView32 WebServer on the same computer, follow these installation steps:
1. Uninstall RSView32 Active Display System. Shut down and restart the computer.


3. Install RSView32 Active Display System. Shut down and restart the computer.

4. Install RSView32 WebServer. Shut down and restart the computer.

**Installing RSView32 WebServer**

The steps below explain how to install RSView32 WebServer from CD-ROM to a computer where RSView32 Works or RSView32 Runtime is installed.

1. Close all open Windows programs.

2. Place the RSView32 WebServer CD-ROM in your CD-ROM drive. The CD-ROM should start running automatically. If the CD-ROM does not start automatically, run D:\SETUP.EXE where D is the drive containing the CD-ROM.

3. Follow the on-screen instructions.

4. The installation program prompts you to activate RSView32 WebServer. Insert the Master disk in the diskette drive, and then click Activate.
   - For details about activation, see the activation utilities Help file, FTActivationManagerEN.chm.
   - Activating your RSView32 WebServer software installs the RSVHTML.SRV file on your system. This key is required for the software to run.

5. After installation is complete, shut down and restart your computer before running RSView32 WebServer.
Activate RSView32 WebServer

FactoryTalk® Activation

EvRSI activation is replaced by FactoryTalk Activation in this release. If you are using EvRSI activation, please contact your local Rockwell Automation Sales office or Technical Support for information on migrating your activations to FactoryTalk Activation.


FactoryTalk Activation Grace Period

FactoryTalk Activation provides customers with access to critical software components for a grace period of 7 days regardless of the availability of valid activations. When a product is successfully activated, all grace period records will be cleared and the product will proceed with valid activations.

- During the grace period, FactoryTalk Activation will display a warning message box to the user and log a diagnostic warning message to FactoryTalk Diagnostics every four hours if no valid activation key is detected.
- When the grace period expires, RSView32 WebServer will continue to run until it is restarted; however, after it is restarted, the WebServerOn command will not be supported.
Chapter 2

Getting started with RSView32 WebServer

RSView32 WebServer expands your view on the web. Now you can quickly browse static snapshot views from an RSView32 project, including graphic displays, tag data, and alarm data, through any standard web browser.

This low-cost, web-based solution is easy to administer. Simply enable Microsoft Personal Web Server or Microsoft Internet Information Service (IIS) on any computer where RSView32 is installed, install RSView32 WebServer, and issue a WebServerOn command. That’s it.

RSView32 WebServer requires no installation or configuration on clients. Anyone with a valid RSView32 user account can connect to an RSView32 project from anywhere—using any browser that supports HTML 3.2, running on virtually any operating system—and view graphic displays, tag data, and alarm data.
Exploring RSView32 WebServer

Once you enable Microsoft Internet Information Server on any computer where RSView32 is installed, and then install and activate the RSView32 WebServer software, your work is done.

To start RSView32 WebServer, open an RSView32 project and issue a `WebServerOn` command. When RSView32 WebServer is active, a small icon appears in the system tray. To stop RSView32 WebServer and prevent clients from connecting, simply issue a `WebServerOff` command.

Connecting clients to RSView32 WebServer

The number of concurrent clients connected to RSView32 WebServer is limited only by the capacity of the Windows system where RSView32 is installed, not by RSView32 or RSView32 WebServer. (RSView32 WebServer has been formally qualified in Rockwell Software test labs with up to 50 concurrent clients.)

Clients connect to the computer running RSView32 WebServer through a default URL: http://machine name/RSViewWeb. From this ready-made default website, users can click links to navigate to any RSView32 graphic displays, tags, or alarms allowed by their RSView32 security authorizations.
Ensuring security with RSView32 WebServer

When a client attempts to connect, RSView32 WebServer creates an HTTP session with the client browser and authenticates the session against either the RSView32 user list or the Windows security list. If the client does not log in with a valid RSView32 user name and password, RSView32 WebServer does not transmit data back to the client and the HTTP session times out. (To change how long the session remains active, see “Overriding the session timeout period” on page 24.)

Once connected to RSView32 WebServer, the RSView32 session login governs the client’s access to requested graphic displays, tags, and alarms. Although RSView32 WebServer lists the names of all requested graphic displays, if a client’s security levels prohibit access, RSView32 WebServer does not transmit JPEG images of the displays back to the client.

To prevent any client connections to RSView32 WebServer, simply issue a WebServerOff command.

We recommend turning RSView32 WebServer off before configuring or modifying security codes in RSView32. If you work with security codes while RSView32 WebServer is running, toggle it off and then back on again for the new RSView32 security settings to take effect.

**IMPORTANT**

Although RSView32 WebServer is fully capable of allowing client connections over the Internet, you may not want to expose your RSView32 projects to the Internet’s inherent lack of security. To avoid possible denial-of-service attacks and other security risks, we recommend securing your RSView32 projects behind a firewall.

If you need interactive remote access ...

RSView32 WebServer uses “pull” technology, which means that all requests for updates come from the clients, not from the server. If you need to interact with remote processes, consider RSView32 Active Display System. With its “push” technology, the server sends updates to clients and can allow both read and write access to RSView32 projects.

You can easily run both RSView32 WebServer and RSView32 Active Display system on the same computer at the same time. For instructions, see “Installing RSView32 Active Display System” on page 3.

For information about RSView32 Active Display System, see [http://www.rockwellsoftware.com/](http://www.rockwellsoftware.com/)
Quick Start steps

The following steps guide you through starting RSView32 WebServer, exploring a project, and then stopping RSView32 WebServer. Before you begin, first follow the instructions in Chapter 1 to:

- enable Internet Information Server
- install RSView32 WebServer on a computer where RSView32 is installed

Step 1 ■ Start RSView32 WebServer

1. **Start RSView32** and open any project.
   
   You may want to open Samples.rsv, which installs with RSView32.

2. **From the RSView32 command line, issue the command WebServerOn.**
   
   You can include optional command line parameters with the WebServerOn command. For details, see “Overriding default startup settings using the command line” on page 18.

3. **Check the system tray at the bottom of your screen; you should see a small RSView32 WebServer icon.**

Step 2 ■ Connect to RSView32 WebServer

When a client attempts to connect, RSView32 WebServer creates an HTTP session with the client browser and authenticates the session against either the RSView32 user list or the Windows security list.

1. **From any computer networked to the RSView32 WebServer computer, open a web browser.**

2. **From the web browser, enter the URL for the RSView32 WebServer default website:**

   http://machine name/RSViewWEB

   Replace machine name with the name of the computer where RSView32 WebServer is installed. To find the machine name, from the Windows Control Panel, open Network, and click the Identification tab.

3. **When prompted, type your RSView32 user name and password; press Enter.**

   Once connected to RSView32 WebServer, the RSView32 session login governs your access to requested graphic displays, tag data, and alarm data.
Step 3 ▼ View graphic displays

When you request a graphic display, RSView32 WebServer sends a snapshot view as a JPEG file. The content in the file is inactive; objects are not animated or interactive, and wallpaper objects do not display. For an updated view of data, click your browser's Refresh button.

1. Click the Displays button on the left side of the RSView32 WebServer home page. Then that sub menu of Name and Date pops up.

   Click the Name button on the sub menu. Then a list of graphic names is returned, and it is sorted by name alphabetically.

   Click the Date button on the sub menu. Verify that a list of graphic names is returned, and it is sorted by date created.

2. To view a graphic display from the list, click its name. RSView32 WebServer returns a JPEG image of the graphic display to your web browser.

   If your RSView32 security code prohibits access to the graphic display you select, then RSView32 WebServer does not send a JPEG image of the graphic display.

3. To go directly to a particular display, type its name in the URL. For example, to open a display named Process Batch, type the keyword Display= followed by the name of the graphic display:

   http://machine name/RSViewWEB/RSViewWEB.asp?Display=Process Batch

   Try this yourself by replacing Display=Process Batch with the name of a graphic display available in the project you have accessed.

   □ RSViewWEB.asp is the name of the file that generates the RSView32 WebServer default website. You can customize this website or create your own; see Chapter 3, "Customizing RSView32 WebServer."

   □ The system automatically replaces invalid space characters with " %20."

4. To save this view, so that you can quickly return to it later without typing keywords in the URL, add it to your browser's Bookmarks or Favorites list.
Step 4 ■ View tags

RSView32 WebServer sends a snapshot of selected tag fields in an HTML table. For an updated view of data, click your browser's Refresh button.

1. To see the current status of tags in the project, click the Tags button on the left side of the RSView32 WebServer home page.

If your tag database contains folders, they are listed in a table at the top of the page. Any tags at the root of the database are listed in another table below.

2. To view tags inside a folder, click the folder name.

3. To generate a table that contains only specified tags and columns, use keywords in the URL. For example, to generate a table that contains only tags from the System folder, with only tag name and tag value columns, type this in the URL:

\[ \text{http://machine name/RSViewWEB/RSViewWEB.asp\?Tags=System&Columns=Name,Value} \]

For more information about keywords that clients can use with tag tables, see “Requesting specific columns in a tags table” on page 17.

4. To save this view, so that you can quickly return to it later without typing keywords in the URL, add it to your browser's Bookmarks or Favorites list.

Step 5 ■ View alarms

RSView32 WebServer sends a snapshot of selected alarm fields in an HTML table. Alarm data is identical to the data presented in the RSView32 alarm summary. For an updated view of data, click your browser's Refresh button.

1. To see the current status of alarms in the project, click the Alarms button on the left side of the RSView32 WebServer home page.

Unlike graphic displays and tag tables, clients cannot customize views of the alarms table. However, from the server, you can override the default columns by customizing the RSView32 WebServer default website. For more information, see “Defining which columns to display in tag tables and alarm tables” on page 23.
Step 6 ■ Stop RSView32 WebServer

1. From the RSView32 command line, issue the command **WebServerOff**. Issuing this command causes RSView32 WebServer to unload all RSView32 resources and refuse any further requests from client browsers.

2. Check the system tray at the bottom of your screen. The RSView32 WebServer icon should no longer be visible.
RSView32 WebServer comes complete with a ready-made website and default settings for graphic displays, tag tables, and alarm tables. While connected to RSView32 WebServer, operators using client browsers can enter keywords and parameters in the URL to customize requests for graphic displays and tag tables.

In addition, by copying and manipulating the files that ship with RSView32 WebServer, administrators on the server can change default settings within the premade website, or can create an entirely new website for RSView32 WebServer clients to connect to.

A quick look at URL syntax

The URL syntax for RSView32 WebServer follows standard conventions for URLs:

http://machine name/RSViewWEB/RSViewWEB.asp?specification

The specification is optional. A specification is a keyword, followed by an optional parameter that further specifies the expression. You can use multiple specifications, separated by ampersands (&).

You can use spaces in the URL, even though a space is not a valid character for URLs. The system automatically translates spaces into %20 characters.

Customizing views from a client connection

While connected to RSView32 WebServer, clients can enter keywords in the URL to:

- request a particular graphic display
- request specific tags in a tags table
- request specific columns in a tags table
Requesting a particular graphic display

To view a particular graphic display, include its name with the Display keyword in the RSView32 WebServer URL. For example, to request a graphic display named Paper Recipe, enter this:

http://machine name/RSViewWEB/RSViewWEB.asp?Display=Paper Recipe

To further define the view, use optional parameters with the Display keyword.

Display parameters
- `/U` uploads tag values into all input fields when the display first opens.
- `/P file` is the name of the parameter file that contains tag names to be substituted into the display (if the file name includes spaces, enclose it in double quotes).
- `/T tag names` is a list of tags, separated by commas, to be substituted into the display.
- `&Width=N` scales the display at N pixels, unless Percent is specified (range is 10 to 1600 pixels or 10 to 100 percent).
- `&Height=N` scales the display at N pixels, unless Percent is specified (range is 10 to 1200 pixels or 10 to 100 percent).
- `&Percent=1&Height=N&Width=N` scales any Width or Height parameter as a percentage of the viewable space in the browser window (range is 10 to 100 percent).

For example, suppose we want to request a display named Paper Recipe, scaled at 75% of the browser’s viewable area for both height and width. Before RSView32 WebServer captures the snapshot, we want to first upload tag values into all input fields. In the URL, enter this:

http://machine name/RSViewWEB/RSViewWEB.asp?Display=Paper Recipe /U &Percent=1&Height=75&Width=75

Requesting specific tags in a tags table

While connected to RSView32 WebServer, clients can:
- specify a folder name to return all tags in that folder and all folders within that folder (non-recursive)
specify a folder name followed by a wildcard character “*” to return all tags in the folder and all tags in all subfolders (recursive)

For example, to request a table that includes all tags in the Process folder and all subfolders within the Process folder, enter this in the URL:

http://machine name/RSViewWEB/RSViewWEB.asp?Tags=Process

**Requesting specific columns in a tags table**

To override the default settings and define the columns to be included in the tags table, use the following parameters with the Columns keyword. If a column is not relevant for a particular tag, the column contains a single dash. The equals sign (=) after Tags is a required part of the syntax:

`Tags=&Columns=parameters`.

For example, to request a table that includes all tags in the Process folder, including all tags within all Process subfolders, with only name, value, and status columns, enter this in the URL:

http://machine name/RSViewWEB/RSViewWEB.asp?Tags=Process*&Columns=Name,Value,Status

**Tag column parameters**

Tag column parameters include:

- **Name**
  - Min applies only to analog tags
- **Value**
  - Max applies only to analog tags
- **Status**
  - ScaleFactor applies only to analog tags
- **Description**
  - Offset applies only to analog tags
- **SecurityCode**
  - Units applies only to analog tags
- **Type**
  - OffLabel applies only to digital tags
- **AlarmState**
  - OnLabel applies only to digital tags
- **AlarmSeverity**
  - Length applies only to string tags
Customizing server-side default settings

The RSView32 WebServer website comes with preset defaults that define its startup settings, and graphic display, tag table, and alarm table parameters. From the server side, you can modify these preset defaults. The changes you make affect all clients. You can:

- override default startup settings using the command line
- define startup and shutdown activities with special event handlers
- customize column heading text in tag tables and alarm tables
- define which columns to display in tag tables and alarm tables
- override the session time out period

Overriding default startup settings using the command line

To override default startup settings, use any of the following command line arguments with the WebServerOn command. These settings remain in effect until the WebServerOff command is issued.

- `/W NNN` where NNN defines the number of seconds that the server waits for data to be initialized during startup. Default is 10; range is 0 through 100.
- `/R NNN` where NNN defines the number of rows in the tag table and alarm table that display before repeating the column headings. Default is 25 rows; range is 10 to 100 rows.
- `/V` causes RSView32 WebServer to log activity to the RSView32 application information category; use only for short-term troubleshooting. Because using this feature can create large log files fairly quickly, do not run this command unattended.
About the global.asa file

The global.asa file that ships with RSView32 WebServer allows you to:

- define startup and shutdown activities with special event handlers
- customize column heading text in tag tables and alarm tables
- define which columns to display in tag tables and alarm tables
- override the session timeout period

Before you begin working with the global.asa file, located inside the default RSView\WebServer\RSViewWEB directory, first make a backup copy. Then open the global.asa file in a text editor such as Windows Notepad. Make your changes, and then save the file. The changes take effect the next time an RSView32 project is opened. You can work with the global.asa file while your RSView project is open and RSView32 WebServer is running, however, you must close the RSView32 project and reopen it for the changes to take effect.

Defining startup and shutdown activities with special event handlers

The global.asa file includes commented text that explains how to add special event handlers that run automatically when certain Active Server Pages (ASP) events occur. Active Server Pages is a Microsoft technology that allows you to dynamically generate browser-neutral content using server-side scripting.
The commented text in the global.asa file shows how to work with two of the ASP objects: Session and Application.

**Session.** The Session object holds information that is unique to a specific client’s current session on RSView32 WebServer. The server starts a session for every new client that requests a page from RSView32 WebServer. The global.asa file highlights these two methods of the Session object:

- **Session_OnStart.** Runs the specified events the first time a client displays any page while connected to RSView32 WebServer. For example, the global.asa file uses this method to validate RSView32 user ID and password at the start of each client session. You might use this method to handle special issues that are specific to non-English-speaking clients or to set user preferences.

- **Session_OnEnd.** Runs the specified events when a client session times out or disconnects from RSView32 WebServer. For example, you might use this method to write information about each client to a log file on the server for later analysis.
Application. Internet Information Server (IIS) initializes the Application object when the first client requests any page from RSView32 WebServer. The Application object runs only once and remains in the server's memory until the IIS application is shut down. You might use the Application methods to maintain application-specific statistics for your RSView32 WebServer site.

Because the Application object is a global variable and affects every client that connects to RSView32 WebServer, using it can have unintended consequences. Use it with caution! The global.asa file highlights these two methods of the Application object:

- **Application_OnStart.** Runs the specified events once when the first client requests a page from RSView32 WebServer. You can use this method to initialize information that every RSView32 WebServer client needs.

- **Application_OnEnd.** Runs the specified events once when the IIS (Internet Information Server) application is shut down.

**IMPORTANT** Active Server Pages also includes other objects and methods. Before working with any ASP objects and methods, including those highlighted in the global.asa file, refer to Microsoft's Active Server Pages documentation for detailed information.
Customizing column heading text in tag tables and alarm tables

The global.asa file includes default application variables that define the column headings displayed in tag tables and alarm tables. To customize a heading, simply change the text associated with it. When RSView32 WebServer generates an HTML page in response to a client’s request for a tag table or an alarm table, it displays the heading text specified in the global.asa file.

You might customize heading text to provide local language translations, or to use industry-specific terms. The example below shows how to change the column headings so that they display in Italian, rather than in English.

```
'Set up variables to allow the customization of the column headers
Sub Application_OnStart
  ' Setup default application variables for column headings
  ' You may freely edit the strings on the right side. This will
  ' Change the headers for the WEBServer generated output.
  Application("Name") = "Nome"
  Application("Value") = "Valore"
  Application("Status") = "Stato"
  Application("Description") = "Descrivione"
```
Defining which columns to display in tag tables and alarm tables

Two lines in the global.asa file define which columns display in the tag tables and alarm tables generated by RSView32 WebServer.

To override these default columns and assign other columns as defaults, open the global.asa file and change the parameters listed with the TagColumns and AlarmColumns keywords in the Application method. Separate the parameters with commas. The order of the parameters defines the order of the columns in the resulting tables.

Tag column parameters
For a complete list of tag column parameters, see See "Tag column parameters" on page 17.

Alarm column parameters
Alarm column parameters include:

- Name
- Value
- Status
- Description
- Units
- DigitalAlarmType
- AckTime
- OperatorName
- Time
- Date
- AlarmThreshold
- AlarmLevel
- AlarmState
- AlarmSeverity
- AckDate
- AlarmLabel
When connected to RSView32 WebServer, clients can enter parameters with the Columns keyword in the URL to override the defaults and specify columns in a tag table. See "Requesting specific tags in a tags table" on page 16. Clients cannot, however, override the default columns in an alarms table.

Overriding the session timeout period

A single line in the global.asa file defines the amount of time, in minutes, that an HTTP session remains connected without activity. After the defined timeout period, clients without activity are disconnected from RSView32 WebServer. The default session timeout period is 10 minutes; the range is 1 to 20 minutes.

Creating your own RSView32 WebServer websites

Sample files that install with RSView32 WebServer provide an example of how you might create your own customized website. Because RSView32 WebServer uses virtual directories with aliases, you can create any number of customized RSView32 WebServer websites and assign each a unique alias name that clients use in the URL to access the sites.

Connecting to the sample website as a client

To connect to the sample website as a client, follow these steps:

1. Create an alias in your IIS "SampleWeb" to redirect RSView32 WebServer to the directory location of the sample website. (For step-by-step directions, See "Creating an RSView32 WebServer alias" on page 26.)

2. Run RSView32, open the Samples.rsv project, and issue the WebServerOn command.
3. Now, to connect to the sample website as a client, open your web browser and enter this in the URL: `http://machine name/SampleWeb/`. Explore the buttons and features of this sample site. The sample below uses Internet Explorer.

Examining the code behind the sample website

To examine the HTML code behind this sample website, work with the sample files, available in this default directory:
<drive>:\Program Files\Rockwell Software\Samples\RSView\Samples\WebServerSamples. The sample below uses Internet Explorer.

Creating customized websites
You can create any number of customized RSView32 WebServer websites, each with a unique URL address.

1. Copy the contents of the default Rockwell Software\WebServer\RSViewWEB directory to another location.
2. Modify the copied files.
3. Create an alias in your IIS to redirect RSView32 WebServer to the directory location of your customized website files. (For help, See "Creating an RSView32 WebServer alias" on page 26.)

   The alias you create replaces "RSViewWeb" in the WebServer URL with the name of your customized website. For example, the alias "SampleWeb" points to the sample website: http://machine name/SampleWeb/.
4. Connect to your customized website as a client and test it thoroughly.

   Some web browsers flag spaces in URLs as illegal parameters. Replace spaces with %20 in any HTML hyperlinks that you code.

Creating an RSView32 WebServer alias
RSView32 WebServer uses virtual directories and aliases to allow creating multiple websites with separate URL addresses. Creating an alias allows you to replace “RSViewWeb” in the WebServer URL with the name of your customized website.

To create an RSView32 WebServer alias:
1. Start Internet Information Server.

   From Windows Control Panel, choose Administrative Tools> Internet Information Server.

2. In the left frame, open the directory of machine name>Web Sites>Default Websites.
3. Right-click Default Web Site, choose New>Virtual Directory to open the Virtual Directory Creation Wizard. In the Alias box, type the name you want to use in the URL to replace "RSViewWeb", click Next.

For example, to create an alias for our sample website, assign the alias name "Sample Web."

4. Browse the file directory location:

```
<drive>:\ProgramFiles\RockwellSoftware\Samples\RSView\Samples\WebServerSamples.
```

Assign the alias name "SampleWeb". Finish the wizard.

5. Close Internet Information Server.

6. To connect as a client to your new website, use the name you assigned as an alias in the RSView32 WebServer URL: http://machine name/alias/.

---

**TIP**

To disable the RSViewWeb alias, so that only your new alias is available to clients, start Personal Web Manager and click the Advanced icon. In the Advanced Options window, browse for the RSViewWeb alias, select it, and then click the Remove button.

---

**Automatic refresh not supported**

RSView32 WebServer is designed to send updated data when an operator manually clicks a client browser’s Refresh button. RSView32 WebServer is not designed to send updated data to clients automatically. As a result, RSView32 WebServer does not support the HTML Refresh tag. If you need automatic updates with read-only access to projects, consider RSView32 Active Display view-only clients or web browser clients. For more information, see www.software.rockwell.com/rsview32ads/
Ensuring security with your customized websites

As you construct your own customized RSView32 WebServer website, be sure you include code that checks for RSView32 login name and password. Removing this code from the global.asa file, or not including an HTML page that requests login information, can disable RSView32 security from your custom website.

Even with RSView32 security enabled, RSView32 WebServer returns lists of graphic display names to any client who requests them. However, if the client’s RSView32 security codes do not allow access to a particular graphic display, RSView32 WebServer does not transmit a JPEG image of the display to the client.

If your projects require additional security, create separate RSView32 WebServer websites and assign separate URLs to different groups of clients.

To always run RSView32 WebServer under the security context of a particular RSView32 user, set up Session variables in the global.asa file. This replaces the need to call ValidateUser. For example, replace the variables “WebUser” and “WebPassword” below with a particular RSView32 user ID and password.

Session(“UserID”) = “WebUser”
Session(“Password”) = “WebPassword”
Customizing the Cascading Style Sheet

The default RSView32 WebServer website uses a Cascading Style Sheet to set its fonts and other attributes. You can find the WEBView.css file in the default Rockwell Software\WebServer\RSViewWEB directory. Before modifying this file, be sure to make a backup copy. Be aware that some older web browsers do not support CSS standards.

```
BODY
{
}
TD.title
{
    BACKGROUND-COLOR: #666699;
    COLOR: white;
    FONT-FAMILY: verdana;
    FONT-SIZE: xx-small;
    TEXT-ALIGN: center
}
TD.entry
{
    BACKGROUND-COLOR: #ccccff;
    COLOR: black;
    FONT-FAMILY: verdana;
    FONT-SIZE: xx-small;
    FONT-WEIGHT: bold;
    HEIGHT: 20px;
    TEXT-ALIGN: left
}
```
Chapter 4

Getting the information you need

Finding RSView32 WebServer version information
To find the RSView32 WebServer version and serial numbers, in RSView32, click Help > About RSView32, and then click the Add-ons button. Select RSView32 WebServer, and then click the Details button.

Finding RSView32 version information
You'll find RSView32 version and serial number information printed on the Activation Disk label or in RSView32, click Help, and then click About RSView32.

For more information
For information about RSView32, refer to the following publications.

- **RSView32 Getting Results Guide**
  Rockwell Software
  Publication ID: VW32-GR001E-EN-E

- **RSView32 User's Guides**
  Rockwell Software
  Publication ID: VW32-UM001E-EN-E
  Also available on the RSView32 installation CD-ROM and from the Programs> Rockwell Software> RSView32.

Technical support
If you have questions about Windows operating systems, Microsoft Personal WebServer, Internet Information Server, or Service Packs, consult your Windows documentation.
If you have questions about RSView32, consult the user’s guides or the Help. For questions about RSView32 WebServer, consult this Getting Results Guide. If you can’t find the answer, contact Rockwell Software Technical Support:

Telephone: **440-646-3434**

World Wide Web—**http://support.rockwellautomation.com**

Support staff are available Monday to Friday 8 AM to 5 PM Eastern Standard Time, except during U.S. holidays.

When you call

When you call, you should be at a computer and should be prepared to give the following information:

- product version numbers
- hardware you are using
- Microsoft Windows operating system, service packs, and Internet Information Services you are using
- exact wording of any messages that appeared on the screen
- description of what happened and what you were doing when the problem occurred
- description of how you tried to solve the problem
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