

Server Scan Help

Roth Systems, Inc.

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www.rothsystems.com/shareware/servscan.html
scanner@rothsystems.com

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Server Scan Basics

Server Scan is a port scanner. A port on an Internet server is actually a software address. A good analogy is that of cable TV. When you want the weather channel, you set a certain channel, MTV would be another distinct channel. An Internet server works the same way. If you want the World Wide Web your browser turns to channel (port) 80. If you want the quote of the day, turn to channel (port) 17. If you're chatting away on the IRC, you're on channel (port) 194.

A typical server will have many services running at once. If you point the scanner at Roth Systems server (rothsystems.com) you will see an ftp server (port 21), a SMTP server (port 25), a http server (port 80), and a pop3 server (port 110). For an explanation of these ports, see [Viewing the port list](#). You may also see connections on ports 8080 through 8084. These are the ports we use internally for our Fox Trot, Tango and WinAmecs 95 servers.

With Server Scan you can scan sequential port numbers or scan specific ports by [Creating a port list](#).

Server Scan is an excellent tool for finding what services are available on a machine or to check that all your servers are running.

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Creating A Port List

Server Scan allows you to easily create port lists. This allows you to search for only the ports that interest you.

To create a list, click the button that shows a hand writing on paper (8th from right). Enter the name you want to use for the list and select the ports from the displayed list. Clicking Save List saves the list. The new port list is displayed in the Port Lists window.

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Deleting A Port Or Port List

To delete a port or an entire port list, click on the item in the Ports List window and then click the Delete button (6th from right).

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Using The Port Scanner

To scan a previously created port list, select the list in the Port List window, enter a URL (Uniform Resource Locator i.e. yourcompany.com or 168.34.4.1) and click the Port Scan button (4th from right). You may also begin a scan in the middle of a list by selecting any port and clicking the Port Scan button.

The results of the scan are displayed in the Scanner Session window. During a scan, buttons that may interfere with the scan are locked out.

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Stopping A Port Scan

You may stop a port scan at any time by clicking the Port Scan Stop button (3rd from the right). During a scan, buttons that may interfere with the scan are locked out.

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Registering Server Scan

The registration fee for Server Scan is \$10 US. For registration instructions, please visit the Server Scan homepage at: www.rothsystems.com/shareware/servscan.html or e-mail us at scanner@rothsystems.com .

Registration of Server Scan allows us to continue our shareware development program. Registering will also remove the hassle windows when the scanner starts. We provide product support, via e-mail and product updates to registered users.

After registering you will be notified of the key needed to complete the registration. Go to Help/About Server Scan on the menu system or About on the System Menu. Click Register Server Scan and enter the name and key EXACTLY and provided.

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Sequential Port Scanning

You may scan ports sequentially by entering a start and end port, a URL (Uniform Resource Locator i.e. yourcompany.com or 168.34.4.1) and clicking the Start Sequential Scan button (small button next to URL field).

During a scan, buttons that may interfere with the scan are locked out.

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Stopping A Sequential Scan

You may stop a sequential scan at any time by clicking the Port Scan Stop button (small button under the Start Sequential Scan button, next to End field.). During a scan, buttons that may interfere with the scan are locked out.

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Viewing The Port List

The button with the magnifying glass (6th from right) is the View Port List button. It will display the port list that Server Scan uses. Port numbers under 1024 are assigned and are to used for only the purposes specified. The ports above 1024 are registered by companies who are having extended communications on the Internet. Although you may use these ports for other purposes, that would be considered rude.

The port list includes the port number, the abbreviation used, and a short description of the service. There are over 750 ports listed.

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Saving A Scan

After a scan has ended, you can save the scan by clicking the Save Scan button (5th from the right). You will be prompted to supply a directory and file name. The scan is saved as a text file (.txt).

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Getting Help From Within Server Scan

You may access this help file from the help button (2nd from the right). All fields and buttons have tool tips that describe their functions.

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Ending Server Scan

To end the program use any Windows 95 control or click the End Program button (last button on right).

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Minor Adjustments

If you are on a fast or slow connection to the wire, you can change the amount of time the scanner waits for a connection by changing the Time Out value in the registry.

The Time Out value is in seconds and is stored in the registry at:
HKEY_LOCAL_MACHINE/SOFTWARE/Roth Systems/Server Scan/Time Out

