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# Chapter 18

## Real Server Commands

### end

Moves activity to the privileged EXEC level from any level of the CLI except the user EXEC level.

#### EXAMPLE:

To move to the privileged EXEC level, enter the following from any level of the CLI.

```
HP9300(config-rs-S2)# end
HP9300#
```

**Syntax:** end

**Possible values:** N/A

**Default value:** N/A

### exit

Moves activity up one level from the current level.

#### EXAMPLE:

```
HP9300(config-rs-S2)# exit
HP9300(config)#
```

**Syntax:** exit

**Possible values:** N/A

**Default value:** N/A

### no

Disables a command. To disable a command, place the word **no** before the command.

### port <num> disable

Disables the application health check for the port. By default, when you create a profile for the port (using the server port <num> command), the health check is enabled.

#### EXAMPLE:

```
HP9300(config-rs-S2)# port http disable
```

**Syntax:** port http | <num>

The **http** parameter is for port 80. If your server uses a different port number for HTTP, enter the port number.

**Possible values:** N/A

**Default value:** N/A

### **port <num> keepalive**

Enables the HTTP health check for a web site you configured a routing switch to assist with Geographically-distributed Server Load Balancing (SLB). Globally-distributed SLB allows the same web site (and same IP address) to reside on multiple servers, which usually are in geographically dispersed locations. To specify the web sites that the routing switch is assisting, use the **server real...** command. See “server real-name” on page 6-56.

The health check is disabled by default.

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**NOTE:** By default, the HTTP health check sends a HEAD request to the web server for its default web page (“1.0”). If the server responds with a status code from 200 – 299, the server passes the health check. You can customize the URL requested by the health check and also the status codes that the routing switch determines satisfactory replies to a health check. See “port <num> url” on page 18-3 and “port <num> status\_code” on page 18-2.

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#### **EXAMPLE:**

To configure a routing switch to assist a web site at IP address 209.157.22.249 and enable the HTTP health check for the web site, enter the following commands:

```
HP9300(config)# server real S2 209.157.22.249
```

```
HP9300(config-rs-S2)# port http
```

**Syntax:** [no] port <num> | http [keepalive <interval> <retries>]

The **http** parameter is for port 80. If your server uses a different port number for HTTP, enter the port number.

The <interval> parameter specifies the number of seconds between health checks sent by the routing switch. You can specify a number from 2 – 60 seconds. The default is 5 seconds.

The <retries> parameter specifies how many times the routing switch will resend a health check if the web site does not respond. You can specify from 1 – 5 retries. The default is 2.

**Possible values:** N/A

**Default value:** enabled

### **port <num> status\_code**

Changes the range of status codes that the routing switch considers acceptable as replies to an HTTP health check. This command applies only when you are configuring a routing switch to assist third-party Server Load Balancers or directly-connected web servers with globally-distributed Server Load Balancing. See the “Route Health Injection” chapter of the *Advanced Configuration and Management Guide*.

#### **EXAMPLE:**

To add a web server, enable the HTTP health check for the server, and change the HTTP status codes that the routing switch considers successful replies to the health check, enter the following commands.

```
HP9300(config)# server real S2 209.157.22.249
```

```
HP9300(config-rs-S2)# port http keepalive
```

```
HP9300(config-rs-S2)# port http status_code 200 199
```

**Syntax:** [no] port http status\_code <range> [<range> [<range> [<range>]]]

The **http** parameter is for port 80. If your server uses a different port number for HTTP, enter the port number.

The default status code range for HTTP health checks is 200 – 299. You can specify up to four discrete ranges. To specify a single message code for a range, enter the code twice. For example, to specify 200 only, enter the following command: **port http status\_code 200 200**.

**Possible values:** 100 – 505

**Default value:** 200 – 299

### port <num> url

Changes the URL or request method for HTTP health checks. This command applies only when you are configuring a routing switch to assist third-party SLBs or directly-connected web servers with Globally-distributed Server Load Balancing. See the “Route Health Injection” chapter of the *Advanced Configuration and Management Guide*.

By default, the HTTP health check sends a HEAD request to the web server for its default web page (“1.0”).

#### EXAMPLE:

To add a web server, enable the HTTP health check for the server, and change the URL requested by the health check to “Scully-Files”, enter the following commands.

```
HP9300(config) server real S2 209.157.22.249
HP9300(config-rs-S2)# port http keepalive
HP9300(config-rs-S2)# port http url "/Scully-Files.html"
```

#### EXAMPLE:

To change the request from a HEAD to a GET, enter the following command.

```
HP9300(config-rs-S2)# port http url GET "/Scully-Files.html"
```

**Syntax:** [no] port http url “[GET | HEAD] [/]<URL-page-name>”

The **http** parameter is for port 80. If your server uses a different port number for HTTP, enter the port number.

**Possible values:** 100 – 505

**Default value:** 200 – 299

### quit

Returns you from any level of the CLI to the User EXEC mode.

#### EXAMPLE:

```
HP9300(config-rs-S2)# quit
HP9300>
```

**Syntax:** quit

**Possible values:** N/A

**Default value:** N/A

### show

Displays a variety of configuration and statistical information about the switch or routing switch. See “Show Commands” on page 20-1.

### write memory

Saves the running configuration into the startup-config file.

#### EXAMPLE:

```
HP9300(config-rs-S2)# wr mem
```

**Syntax:** write memory

**Possible values:** N/A

**Default value:** N/A

### **write terminal**

Displays the running configuration on the terminal screen.

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**NOTE:** This command is equivalent to the **show running-config** command.

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**EXAMPLE:**

```
HP9300(config-rs-S2)# wr t
```

**Syntax:** write terminal

**Possible values:** N/A

**Default value:** N/A