

Cisco IOS Web Browser User Interface Commands

This chapter provides descriptions of the commands used to enable the HTTP server on your router to allow the use of the Cisco IOS Web browser user interface (UI) and ClickStart.

For configuration tasks and examples, refer to the "Using the Cisco Web Browser User Interface" chapter in the Release 12.2 *Cisco IOS Configuration Fundamentals Configuration Guide*.

international

If you are using Telnet to access a Cisco IOS platform and you want to display 8-bit and multibyte international characters (for example, Kanji) and print the Escape character as a single character instead of as the caret and bracket symbols (^[), use the **international** line configuration command. To display characters in 7-bit format, use the **no** form of this command.

international

no international

Syntax Description	This command has no arguments or keywords.		
Defaults	Disabled		
Command Modes	Line configuration		
Command History	Release	Modification	
	11.3	This command was introduced.	
Fxamples	automatically when you e command.	enable the Cisco Web browser UI using the ip http server global configuration	
Examples	the Escape character as a single character instead of as the caret and bracket symbols (^[) when you are using Telnet to access the platform:		
	line vty 4 international		
Related Commands	Command	Description	
	terminal international	Prints the Escape character as a single character instead of as the caret and bracket symbols (^[) for a current Telnet session in instances when you are using Telnet to access a Cisco IOS platform and you want to display 8-bit and multibyte international characters (for example, Kanji).	

ip http access-class

To assign an access list to the HTTP server used by the Cisco IOS ClickStart software or the Cisco Web browser UI, use the **ip http access-class** global configuration command. To remove the assigned access list, use the **no** form of this command.

ip http access-class {*access-list-number* | *access-list-name*}

no ip http access-class {*access-list-number* | *access-list-name*}

Syntax Description	access-list-number	Standard IP access list number in the range 0 to 99, as configured by the access-list (standard) global configuration command.
	access-list-name	Name of a standard IP access list, as configured by the ip access-list command.
Defaults	No access list is app	lied to the HTTP server.
Command Modes	Global configuration	1
Command History	Release	Modification
	11.2	This command was introduced.
	server accepts a com the request for a com	nection, it checks the access list. If the check fails, the HTTP server does not accept nection.
Examples	The following exam	ple assigns the access list named marketing to the HTTP server:
	<pre>ip http access-cla ip access-list sta permit 192.168.34 permit 172.16.0.0 permit 10.0.0.0 ! (Note: all other</pre>	ass marketing undard marketing 0.0 0.0.255 0.0.255.255 0.255.255.255 c access implicitly denied)
Polotod Commondo	Commond	Description
	in access-list	Defines an IP access list by name.
	ip http server	Enables monitoring or configuring of routers using the Cisco Web browser UI.

ip http authentication

To specify a particular authentication method for HTTP server users, use the **ip http authentication** global configuration command. To disable a configured authentication method, use the **no** form of this command.

ip http authentication {aaa | enable | local | tacacs}

no ip http authentication {aaa | enable | local | tacacs}

Syntax Description	aaa	Indicates that the AAA facility is used for authentication.
	enable	Indicates that the enable password method, which is the default method of HTTP server user authentication, is used for authentication.
	local	Indicates that the local user database as defined on the Cisco router or access server is used for authentication.
	tacacs	Indicates that the TACACS or XTACACS server is used for authentication.
Defaults	The default me	ethod of authentication for the HTTP server interface is the enable password method.
Command Modes	Global configu	uration
Command History	Release	Modification
	11.2 F	This command was introduced.
Usage Guidelines	The ip http au client connects recommended login comman	uthentication command specifies the authentication method to be used for login when a s to the HTTP server. Use of the ip http authentication aaa command option is . The enable , local , and tacacs methods should be specified using the aaa authentication d.
	The "enable" p is used as the default privile	bassword method is the default HTTP server authentication method. If the enable password HTTP server login authentication method, the client connects to the HTTP server with a ge level of 15.
Note	When the "ena	able" password is used as the HTTP server login authentication method, any username
	entered will be an attacker to a password for a Instead, use of Authorization	e ignored; the server will only verify the "enable" password. This may make it easier for access the router. Because a username and password pair is more secure than using only a authentication, using only "enable" password for authentication is strongly discouraged. If the local or tacacs authentication options, configured as part of a global Authentication, and Accounting (AAA) framework, is recommended.
	The "local", " authentication	taracess as part of a AAA policy, use the ip http authentication aaa command option. tacacs", or "enable" authentication methods should then be configured using the aaa n login command.

For information about adding users into the local username database, refer to the *Cisco IOS Security Configuration Guide*.

Examples The following example specifies that the method configured for AAA should be used for authentication for HTTP server users. The AAA login method is configured as the "local" username/password authentication method.

Router(config)# ip http authentication aaa
Router(config)# aaa authentication login default local

Related Commands	Command	Description
	ip http server	Enables the HTTP server.
	aaa authentication login	Specifies the login authentication method to be used by the authentication, authorization, and accounting (AAA) service.

ip http port

To specify the port to be used by the Cisco IOS ClickStart software or the Cisco Web browser UI, use the **ip http port** global configuration command. To use the default port, use the **no** form of this command.

ip http port port-number

no ip http port

Syntax Description	port-number	Port number for use by the HTTP server.
Defaults	The HTTP server us	es port 80.
Command Modes	Global configuration	n
Command History	Release	Modification
	11.2	This command was introduced.
Examples	The following exam UI through port 60:	ple configures the router so that you can use ClickStart or the Cisco Web browser
	ip http server ip http port 60	
Related Commands	Command	Description
	ip http server	Enables a Cisco 1003, Cisco 1004, or Cisco 1005 router to be configured from a browser using the Cisco IOS ClickStart software, and enables any router to be monitored or have its configuration modified from a browser using the Cisco Web browser UI.

ip http server

To enable the Cisco Web browser UI on a router or access server, use the **ip http server** global configuration command. To disable this feature, use the **no** form of this command.

ip http server

no ip http server

Syntax Description	This command has no arguments or keywords.		
Defaults	ItsThis feature is automatically enabled on Cisco 1003, Cisco 1004, and Cisco 1005 routers that have not yet been configured. For Cisco 1003, Cisco 1004, and Cisco 1005 routers that have already been configured, and for all other routers, this feature is disabled.The HTTP server is disabled on the Cisco Catalyst 4000 series switch. The HTTP server is enabled for clustering and on the following Cisco switches: Catalyst 3700 series, Catalyst 3750 series, Catalyst 3560 series, and Catalyst 2950 series.		
Command History	Release	Modification	
	11.2	This command was introduced.	
Usage Guidelines	This command enables a simple HTTP server on your system. The HTTP server in Cisco IOS software is used primarily for the Cisco Web browser user interface (UI) and ClickStart.		
Usage Guidelines	This command enables a simple HTTP server on your system. The HTTP server in Cisco IOS software is used primarily for the Cisco Web browser user interface (III) and ClickStart		
	web browser. Enabling the Cisco Web browser UI also allows Cisco 1003, Cisco 1004, and Cisco 1005 routers to be configured from a browser using ClickStart.		
	To view the home page of the router, use a Web browser pointed to http://x.y.z.t, where x.y.z.t is the IP address of your router or access server, or, if a name has been set, use http://router-name. Varying forms of authentication for login can be set using the ip http authentication command, but the default login method is entering the enable password when prompted.		
	For information on accessing a router Web page at a privilege level other the default of 15 (privileged EXEC mode), see the "Using the Cisco Web Browser to Issue Commands" section of the Cisco IOS Configuration Fundamentals Configuration Guide.		
Examples	The following ex UI to monitor th	xample enables the HTTP server on the router, allowing use of the Cisco Web browser are router and issue commands to it:	
	ip http server		

Related Commands	Command	Description
	ip http access-class	Assigns an access list to the HTTP server used by the Cisco IOS ClickStart software or the Cisco Web browser UI.
	ip http authentication	Specifies an authentication method for HTTP server users.
	ip http port	Specifies the port to be used by the Cisco IOS ClickStart software or the Cisco Web browser UI.

terminal international

If you are using Telnet to access a Cisco IOS platform and you want to display 8-bit and multibyte international characters (for example, Kanji) and print the Escape character as a single character instead of as the caret and bracket symbols (^[) for a current Telnet session, use the **terminal international** EXEC command. To display characters in 7-bit format for a current Telnet session, use the **no** form of this command.

terminal international

no terminal international

Syntax Description	This command has no arguments or keywords.		
Defaults	Disabled		
Command Modes	EXEC		
Command History	Release	Modification	
	11.3	This command was introduced.	
Usage Guidelines Examples	If you are configuring automatically when yo command. The following example	a Cisco IOS platform using the Cisco Web browser UI, this feature is enabled u enable the Cisco Web browser UI using the ip http server global configuration e enables a Cisco IOS platform to display 8-bit and multibyte characters and print	
	the Escape character as a single character instead of as the caret and bracket symbols (^[) when you are using Telnet to access the platform for the current Telnet session:		
	Router# terminal international		
Related Commands	Command	Description	
	international	Prints the Escape character as a single character instead of as the caret and bracket symbols (^[) in instances when you are using Telnet to access a Cisco IOS platform and you want to display 8-bit and multibyte international characters (for example, Kanji).	