

Configuring 802.1X Authentication (J-Web Procedure)

To configure 802.1X settings using the J-Web interface:

1. From the **Configure** menu, select **Security > 802.1X**.

The 802.1X screen displays a list of interfaces, whether 802.1X security has been enabled, and the assigned port role.

When you select a particular interface, the Details section displays 802.1X details for the selected interface.

2. Click one:
 - **RADIUS Servers**—Specifies the RADIUS server to be used for authentication. Select the check box to select the required server. Click **Add** or **Edit** to add or modify the RADIUS server settings. Enter information as specified in Table 1.
 - **Exclusion List**—Excludes hosts from the 802.1X authentication list by specifying the MAC address. Click **Add** or **Edit** in the Exclusion list screen to include or modify the MAC addresses. Enter information as specified in Table 2.
 - **Edit**—Specifies 802.1X settings for the selected interface
 - **Apply 802.1X Profile**—Applies a pre-defined 802.1X profile based on the port role. If a message appears asking if you want to configure a RADIUS server, click **Yes**.
 - **802.1X Configuration**—Configures custom 802.1X settings for the selected interface. If a message appears asking if you want to configure a RADIUS server, click **Yes**. Enter information as specified in Table 1. To configure 802.1X settings, enter information as specified in Table 3.
 - **Delete**—Deletes 802.1X authentication configuration on the selected interface.

Table 1: RADIUS Server Settings

Field	Function	Your Action
IP Address	Specifies the IP address of the server.	Enter the IP address in dotted decimal notation.
Password	Specifies the login password.	Enter the password.
Confirm Password	Verifies the login password for the server.	Reenter the password.
Server Port Number	Specifies the port with which the server is associated.	Type the port number.
Source Address	Specifies the source address of the switch using which the switch can communicate with the server.	Type the IP address in dotted decimal notation.
Retry Attempts	Specifies the number of login retries allowed after a login failure.	Type the number.

Table 1: RADIUS Server Settings *(continued)*

Field	Function	Your Action
Timeout	Specifies the time interval to wait before the connection to the server is closed.	Type the interval in seconds.

Table 2: 802.1X Exclusion List

Field	Function	Your Action
MAC Address	Specifies the MAC address to be excluded from 802.1X authentication.	Enter the MAC address.
Exclude if connected through the port	Specifies that the host can bypass authentication if it is connected through a particular interface.	Select to enable the option. Select the port through which the host is connected.
Move the host to the VLAN	Specifies moving the host to a specific VLAN once the host is authenticated.	Select to enable the option. Select the VLAN from the list.

Table 3: 802.1X Port Settings

Field	Function	Your Action
Supplicant Mode		
Supplicant Mode	Specifies the mode to be adopted for supplicants: <ul style="list-style-type: none"> ■ Single — allows only one host for authentication. ■ Multiple — allows multiple hosts for authentication. Each host is checked before being admitted to the network. ■ Single authentication for multiple hosts — Allows multiple hosts but only the first is authenticated. 	Select the required mode.
Authentication		
Enable re-authentication	Specifies enabling reauthentication on the selected interface.	1. Select to enable reauthentication. 2. Enter the timeout for reauthentication in seconds.
Action on authentication failure	Specifies the action to be taken in case of an authentication failure.	Select one: <ul style="list-style-type: none"> ■ Move to the Guest VLAN — Select the VLAN to move the interface to. ■ Deny — the host is not permitted access.

Table 3: 802.1X Port Settings *(continued)*

Field	Function	Your Action
Timeouts	Specifies timeout values for each action.	<p>Enter the value in seconds for:</p> <ul style="list-style-type: none">■ Port waiting time after an authentication failure■ EAPOL re-transmitting interval■ Max. EAPOL requests■ Maximum number of retries■ Port timeout value for the response from the supplicant■ Port timeout value for the response from the RADIUS server
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Related Topics	<ul style="list-style-type: none">■ Configuring 802.1X Interface Settings (CLI Procedure)■ Example: Setting Up 802.1X for Single Supplicant or Multiple Supplicant Configurations on an EX Series Switch■ Understanding 802.1X Authentication on EX Series Switches	

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