

## mac-radius

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| <b>Syntax</b>                   | mac-radius <restrict>;   |
| <b>Hierarchy Level</b>          | [edit protocols dot1x authenticator interface <i>interface-name</i> ]  |
| <b>Release Information</b>      | Statement introduced in JUNOS Release 9.3 for EX-series switches.  |
| <b>Description</b>              | <p>Configure 802.1X MAC RADIUS authentication for specific interfaces. MAC RADIUS authentication allows LAN access to permitted MAC addresses. When a new MAC address appears on an interface, the switch consults the RADIUS server to check whether the MAC address is a permitted address. If the MAC address is configured on the RADIUS server, the device is allowed access to the LAN.</p> <p>You can configure other 802.1X authentication methods on a single interface except when the optional keyword <b>restrict</b> is configured for MAC RADIUS. In restrictive mode, all 802.1X packets are eliminated, and the attached device on the interface is considered a nonresponsive host.</p> |
| <b>Options</b>                  | <b>restrict</b> —(Optional) Eliminates the normal 90-second delay needed by the switch to determine if the device connected to an interface is a responsive host (802.1X-enabled) or a nonresponsive host.   |
| <b>Required Privilege Level</b> | routing—To view this statement in the configuration.<br>routing-control—To add this statement to the configuration.  |
| <b>Related Topics</b>           | <ul style="list-style-type: none"><li>■ show dot1x</li><li>■ Example: Setting Up 802.1X for Nonresponsive Hosts on an EX-series Switch and a RADIUS Server</li><li>■ Configuring MAC RADIUS Authentication (CLI Procedure)</li><li>■ Configuring 802.1X Authentication (CLI Procedure)</li><li>■ Configuring 802.1X Authentication (J-Web Procedure)</li><li>■ Understanding 802.1X MAC RADIUS Authentication on EX-series Switches</li></ul>  |

