

## interface

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**Syntax** interface (all | [ *interface-names* ]) {  
    disable;  
    guest-vlan (*vlan-name* | *vlan-id*);  
    mac-radius <restrict>;  
    maximum-requests *number*;  
    no-reauthentication;  
    quiet-period *seconds*;  
    reauthentication {  
        interval *seconds*;  
    }  
    retries *number*;  
    server-fail (deny | permit | use-cache | *vlan-id* | *vlan-name*);  
    server-reject-vlan (*vlan-id* | *vlan-name*);  
    server-timeout *seconds*;  
    supplicant (single | single-secure | multiple);  
    supplicant-timeout *seconds*;  
    transmit-period *seconds*;  
}

**Hierarchy Level** [edit protocols dot1x authenticator]

**Release Information** Statement introduced in JUNOS Release 9.0 for EX-series switches.

**Description** Configure 802.1X authentication for Port-Based Network Access Control for all interfaces or for specific interfaces.

**Options** all—Configure all interfaces for 802.1X authentication.

[ *interface-names* ]— List of names of interfaces to configure for 802.1X authentication.

The remaining statements are explained separately.

**Required Privilege Level** routing—To view this statement in the configuration.  
routing-control—To add this statement to the configuration.

- Related Topics**
- show dot1x
  - Example: Setting Up 802.1X for Single Supplicant or Multiple Supplicant Configurations on an EX-series Switch
  - Example: Setting Up 802.1X in Conference Rooms to Provide Internet Access to Corporate Visitors on an EX-series Switch
  - Example: Setting Up VoIP with 802.1X and LLDP-MED on an EX-series Switch
  - Example: Setting Up 802.1X for Nonresponsive Hosts on an EX-series Switch
  - Example: Setting Up 802.1X for Nonresponsive Hosts on an EX-series Switch and a RADIUS Server
  - Configuring 802.1X Authentication (CLI Procedure)

- Configuring 802.1X Authentication (J-Web Procedure)
- Configuring MAC RADIUS Authentication (CLI Procedure)