

## dot1x

---

**Syntax** dot1x {  
    authenticator {  
        authentication-profile-name *access-profile-name*;  
        interface (all | [ *interface-names* ]) {  
            disable;  
            guest-vlan ( *vlan-id* | *vlan-name*);  
            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*;  
        }  
        static *mac-address*{  
            interface *interface-names*;  
            vlan-assignment (*vlan-id* | *vlan-name*);  
        }  
    }  
}

**Hierarchy Level** [edit protocols]

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

**Description** Configure 802.1X authentication for Port-Based Network Access Control.

The remaining statements are explained separately.

**Default** 802.1X is disabled.

**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
- Example: Applying Firewall Filters to Multiple Supplicants on Interfaces Enabled for 802.1X or MAC RADIUS Authentication
- Configuring MAC RADIUS Authentication (CLI Procedure)
- Configuring Server Fail Fallback (CLI Procedure)