

## secure-access-port

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**Syntax**    secure-access-port {  
              dhcp-snooping-file {  
                  location *local\_pathname* | *remote\_URL*;  
                  timeout *seconds*;  
                  write-interval *seconds*;  
              }  
              interface (all | *interface-name*) {  
                  allowed-mac {  
                      *mac-address-list*;  
                  }  
                  (dhcp-trusted | no-dhcp-trusted);  
                  mac-limit *limit* action *action*;  
                  no-allowed-mac-log;  
                  static-ip *ip-address* {  
                      vlan *vlan-name*;  
                      mac *mac-address*;  
                  }  
              }  
              vlan (all | *vlan-name*) {  
                  (arp-inspection | no-arp-inspection);  
                  dhcp-option82 {  
                      circuit-id {  
                          prefix *hostname*;  
                          use-interface-description;  
                          use-vlan-id;  
                      }  
                      remote-id {  
                          prefix *hostname* | *mac* | *none*;  
                          use-interface-description;  
                          use-string *string*;  
                      }  
                      vendor-id <*string*>;  
                  }  
                  (examine-dhcp | no-examine-dhcp);  
                  (ip-source-guard | no-ip-source-guard);  
                  mac-move-limit *limit* action *action*;  
              }  
          }

**Hierarchy Level**    [edit ethernet-switching-options]

**Release Information**    Statement introduced in JUNOS Release 9.0 for EX-series switches.  
Options **static-ip** and **ip-source-guard** introduced in JUNOS Release 9.2 for EX-series switches.  
Options **dhcp-option82** and **no-allowed-mac-log** introduced in JUNOS Release 9.3 for EX-series switches.  
Option **dhcp-snooping-file** introduced in JUNOS Release 9.4 for EX-series switches.

**Description** Configure port security features, including MAC limiting and whether interfaces can receive DHCP responses, and apply dynamic ARP inspection, DHCP snooping, IP source guard, DHCP option 82, and MAC move limiting to no VLANs, specific VLANs, or all VLANs.

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**

- Example: Configuring Port Security, with DHCP Snooping, DAI, MAC Limiting, and MAC Move Limiting, on an EX-series Switch
- Example: Configuring DHCP Snooping, DAI , and MAC Limiting on an EX-series Switch with Access to a DHCP Server Through a Second Switch
- Example: Configuring IP Source Guard on a Data VLANThat Shares an Interface with a Voice VLAN
- Example: Setting Up DHCP Option 82 on an EX-series Switch with No Relay Agent Between Clients and DHCP Server
- Understanding How to Protect Access Ports on EX-series Switches from Common Attacks
- Understanding DHCP Snooping for Port Security on EX-series Switches