

vlan

Syntax `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 secure-access-port]

Release Information Statement introduced in JUNOS Release 9.0 for EX-series switches.
Option **ip-source-guard** introduced in JUNOS Release 9.2 for EX-series switches.
Option **dhcp-option82** introduced in JUNOS Release 9.3 for EX-series switches.
Statement updated with enhanced ? (CLI completion feature) functionality in JUNOS Release 9.5 for EX-series switches.

Description Apply DHCP snooping, dynamic ARP inspection (DAI), IP source guard, DHCP option 82, and MAC move limiting.

The remaining statements are explained separately.



TIP: To display a list of all configured VLANs on the system, including VLANs that are configured but not committed, type ? after **vlan** or **vlangs** in your configuration mode command line. Note that only one VLAN is displayed for a VLAN range.

Options **all**—Apply DHCP snooping, DAI, IP source guard, DHCP option 82, and MAC move limiting to all VLANs.

vlan-name —Apply DHCP snooping, DAI, IP source guard, DHCP option 82, and MAC move limiting to the specified VLAN.

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 IP Source Guard with Other EX-series Switch Features to Mitigate Address-Spoofing Attacks on Untrusted Access Interfaces
 - Example: Setting Up DHCP Option 82 on an EX-series Switch with No Relay Agent Between Clients and DHCP Server
 - Enabling Dynamic ARP Inspection (CLI Procedure)
 - Enabling DHCP Snooping (CLI Procedure)
 - Configuring IP Source Guard (CLI Procedure)
 - Configuring MAC Move Limiting (CLI Procedure)
 - Setting Up DHCP Option 82 on the Switch with No Relay Agent Between Clients and DHCP Server (CLI Procedure)