

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)

Published: 2009-07-23