

## Configuring GVRP (J-Web Procedure)

As a network expands and the number of clients and VLANs increases, VLAN administration becomes complex, and the task of efficiently configuring VLANs on multiple EX-series switches becomes increasingly difficult. To automate VLAN administration, you can enable GARP VLAN Registration Protocol (GVRP) on the network.

GVRP learns VLANs on a particular 802.1Q trunk port and adds the corresponding trunk interface to the VLAN if the advertised VLAN is preconfigured or existing already on the switch. For example, a VLAN named “sales” is advertised to trunk interface 1 on the GVRP-enabled switch. The switch adds trunk interface 1 to the sales VLAN if the sales VLAN already exists on the switch.

As individual interfaces become active and send requests to join a VLAN, the VLAN configuration is updated and propagated among the switches. Limiting the VLAN configuration to active participants reduces the network overhead. GVRP also provides the benefit of pruning VLANs to limit the scope of broadcast, unknown unicast, and multicast (BUM) traffic to interested network devices only.

To configure GVRP using the J-Web interface:

1. Select **Configure > Switching > GVRP**. Interfaces on which GVRP has been enabled are listed.
2. To enable GVRP on an interface, click **Add**. Click the arrow key to move the interface from the **Interface Out of GVRP** list to the **Interface under GVRP** list, and click **OK**.
3. To modify GVRP timers, click **Global Settings**. When you are modifying GVRP Timer settings for the interface, enter information as described in Table 1.
4. Click **OK** to apply changes to the configuration or click **Cancel** to cancel without saving changes.

To disable an interface, select the interface and click **Disable Port**.

**Table 1: GVRP Timer Settings**

Field	Function	Your Action
Join Timer	Specifies the maximum number of milliseconds the interfaces wait before sending VLAN advertisements.	Type a number.
Leave Timer	Specifies the number of milliseconds an interface waits after receiving a leave message before the interface leaves the VLAN specified in the message.	Type a number.
Leave All Timer	Specifies the interval in milliseconds at which Leave All messages are sent on interfaces. Leave All messages help to maintain current GVRP VLAN membership information in the network.	Type a number.

**Table 1: GVRP Timer Settings** (continued)

Disable GVRP	Disables GVRP on all interfaces.	To disable GVRP, select the check box. To enable GVRP, clear the check box.
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- Related Topics**
- Example: Configure Automatic VLAN Administration Using GVRP
  - Monitoring GVRP