

# IP ACL Application Configuration

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# Chapter 1 IP ACL Application Configuration

## 1.1 Applying the IP Access Control List

### 1.1.1 Applying ACL on Ports

After an ACL is established, it can be applied on one or many slots or globally.

Run the following command in port configuration mode:

Command	Purpose
<b>config</b>	Enters the global configuration mode.
<b>interface g0/1</b>	Enters the to-be-configured port.
<b>[no] {ip   ipv6} access-group name</b>	Applies the established IP access list to an interface or cancels the applied IP on the interface.  Name IP: Name of the IP access list.
<b>exit</b>	Goes back to the global configuration mode.
<b>exit</b>	Goes back to the EXEC mode.
<b>write</b>	Saves the settings.

Run the following command in global configuration mode:

Command	Purpose
<b>config</b>	Enters the global configuration mode.
<b>[no] {ip   ipv6} access-group name [vlan {word   add word   remove word}]</b>	Applies the established IP access list on the global mode or cancels the applied IP on the global.  <b>Egress</b> means that the ACL is applied in an outbound direction.  <b>Vlan</b> means that the ACL is applied in an inbound VLAN.  <b>Word</b> stands for the VLAN range table.  <b>Add</b> means to add the VLAN range table.  <b>Remove</b> means to delete the VLAN range table.
<b>exit</b>	Goes back to the EXEC mode.
<b>write</b>	Saves the settings.

**Note:** IP access list can be applied to VLAN in the global mode, but not to VLAN in port configuration mode.