13. VLAN-ACL

- 13.1. VLAN-ACL
- 13.2. VLAN-ACL
- 13.3. VLAN-ACL

13.1. VLAN-ACL

ACL VLAN, **VLAN**, **ACL** -.
ACL VLAN ACL , **ACL** , **ACL VLAN**.
IP VLAN-ACL, **MAC VLAN-ACL**, **IP-MAC VLAN-ACL IPv6 ACL**. **VLAN** **userdefined ACL**. **VLAN** , **VLAN-ACL** (**ingress**) .

13.2. VLAN-ACL

1. IP VLAN-ACL;
2. MAC VLAN-ACL;
3. MAC-IP VLAN-ACL;
4. IPv6 VLAN-ACL;
5. ACL VLAN:
6. VLAN-ACL;
7. VLAN-ACL.

1. IP VLAN-ACL:

vacl ip access-group {<1-299> | WORD} in [traffic-statistic] vlan <vlan-range> no vacl ip access-group {<1-299> | WORD} vlan <vlan-range> **!**	IP-ACL {<1-299> | WORD} VLAN <vlan-range>. traffic-statistic access-group IP-ACL {<1-299> | WORD} VLAN

2. MAC VLAN-ACL:

vacl mac access-group {<700-1199> | WORD} in [traffic-statistic] vlan <vlan-range> no vacl mac access-group {<700-1199> | WORD} in vlan <vlan-range> **!**	IP-ACL {<700-1199> | WORD} VLAN <vlan-range>. traffic-statistic access-group IP-ACL {<700-1199> | WORD} VLAN

3. MAC-IP VLAN-ACL:

vacl mac-ip access-group {<3100-3299> | <acl-name>} in [traffic-statistic] vlan <vlan-range> no vacl mac-ip access-group {<3100-3299> | <acl-name>} in vlan <vlan-range> **!**	MAC-IP-ACL{<3100-3299> | <acl-name>} VLAN <vlan-range>. traffic-statistic access-group. ACL {<3100-3299> | <acl-name>} VLAN <vlan-range>

4. IPv6 VLAN-ACL:

vacl ipv6 access-group {<500-699> | <acl-name>} in [traffic-statistic] vlan <vlan-range> no ipv6 access-group {<500-699> | <acl-name>} in vlan <vlan-range> **!**	IPv6 ACL <{<500-699> | <acl-name>} VLAN <vlan-range>. traffic-statistic access-group. ACL {<500-699> | <acl-name>} VLAN

5. ACL VLAN:

[no] vacl userdefined access-group <1200-1399> in vlan <vlan-range> [traffic-statistic] **!**	ACL <1200-1399> VLAN <vlan-range>. traffic-statistic access-group. ACL <1200-1399> VLAN

6. VLAN-ACL:

show vacl in vlan [<vlan-id>] **!**	VLAN-ACL VLAN, <vlan-id> VLAN.

7. VLAN-ACL:

clear vacl in statistic vlan [<vlan-id>] **!**	VLAN-ACL VLAN, <vlan-id> VLAN.

13.3. VLAN-ACL

VLAN 1 2 192.168.1.0\24, .

:

```
Switch(config)#ip access-list extended vacl_a
Switch(config-ip-ext-nacl-vacl_a)#permit ip any-source 192.168.1.0 0.0.0.255
Switch(config-ip-ext-nacl-vacl_a)#deny ip any-source any-destination
Switch(config-ip-ext-nacl-vacl_a)#exit
Switch(config)#firewall enable
Switch(config)#vacl ip access-group vacl_a in vlan 1-2
```