



Router1: Standard Numbered & Named ACL

```
// Creazione e configurazione Standard ACL Numbered 1
R3(config)# access-list 1 remark "FILTRO SORGENTE VLAN30 VERSO LAN3"
R3(config)# access-list 1 deny 192.168.6.0 0.0.0.63
// R3(config)# access-list 1 permit any (0.0.0.0 0.0.0.0)
// R3(config)# access-list 1 deny any [presente di default]
R3(config)# interface g0/1
R3(config-if)# ip access-group 1 out
R3(config-if)# exit
// Creazione e configurazione Standard ACL Named VLAN10
R3(config)# ip access-list standard VLAN10
R3(config-std-nacl)# remark "VLAN10 NON RAGGIUNGE LAN3 AD ECCEZIONE IP 192.168.8.10"
R3(config-std-nacl)# permit 192.168.8.10 0.0.0.0
R3(config-std-nacl)# permit host 192.168.8.10
R3(config-std-nacl)# deny 192.168.8.0 0.0.0.127
R3(config-std-nacl)# permit any
R3(config-std-nacl)# exit
// Aggiungo la ACE inserita nella ACL Numbered 1
R3(config)# ip access-list standard VLAN10
R3(config-std-nacl)# deny 192.168.6.0 0.0.0.63
R3(config-std-nacl)# exit
// Modifico le ACE della ACL
R3(config)# ip access-list standard VLAN10
// Elimino l'entry con ID 40
R3(config-std-nacl)# no 40
// Scrivendo il Sequence Number 21 prima della entry, setto ID manualmente della ACE
R3(config-std-nacl)# 21 deny 192.168.6.0 0.0.0.63
R3(config)# interface g0/1
R3(config-if)# no ip access-group 1
R3(config-if)# no ip access-group VLAN out
R3(config-if)# exit
R3(config)# do show ip access-list
R3(config)# ip access-list extended SSH
R3(config-std-nacl)# permit 192.168.6.0 0.0.0.63
R3(config-std-nacl)# exit
R3(config)# line vty 0 15
R3(config-if)# access-class SSH in
R3(config-if)# exit
R3(config)# ip access-list standard SSH
R3(config-std-nacl)# deny any
R3(config-std-nacl)# exit
```

Router1: Extended Numbered ACL

```
// Creazione e configurazione Extended ACL Numbered 100
R1(config)# access-list 100 remark "NEGA TRAFFICO HTTP VLAN20 VERSO 192.168.10.100"
// Non inserisco la Port perchè l'host la sceglie in modo random
R1(config)# access-list 100 deny tcp 192.168.9.0 0.0.0.127 host 192.168.10.100 eq 80
R1(config)# access-list 100 permit ip any any
R1(config)# interface g0/1.20
R1(config-subif)# ip access-group 100 in
R1(config-subif)# exit
```

Router2: Extended Named ACL (multi protocol)

```
// Creazione e configurazione Extended ACL Named LAN2
R2(config)# ip access-list extended LAN2
R2(config-std-nacl)# remark "TRAFFICO ICMP PREMESSO | TRAFFICO DNS, HTTP, HTTPS NEGATO"
R2(config-std-nacl)# permit icmp 192.168.10.0 0.0.0.255 192.168.8.0 0.0.0.127 echo
R2(config-std-nacl)# deny udp 192.168.10.0 0.0.0.255 host 192.168.8.100 eq 53
R2(config-std-nacl)# deny tcp 192.168.10.0 0.0.0.255 host 192.168.8.100 eq 80
R2(config-std-nacl)# deny tcp 192.168.10.0 0.0.0.255 host 192.168.8.100 eq 443
R2(config-std-nacl)# permit ip any any
R2(config-std-nacl)# exit
R2(config)# interface g0/1
R2(config-if)# ip access-group LAN2
R2(config-if)# exit
R2(config)# ip access-list standard SSH-LAN2
R2(config-std-nacl)# remark "SOLO HOST 192.168.10.100 PUO CONNETTERSI IN SSH A R2"
R2(config-std-nacl)# permit host 192.168.10.100
R2(config-std-nacl)# deny any
R2(config-std-nacl)# exit
R2(config)# line vty 0 15
R2(config-if)# access-class SSH in
R2(config-if)# exit
R2(config)#
```