

25-26 ACLs

Number Range for Standard ACLs	
Number Range for Extended ACLs	
Where in the network should Standard ACLs be placed?	
Where in the network should Extended ACLs be placed?	
Protocols that Extended ACLs can filter on	<ul style="list-style-type: none"> • • • •

TCP Port	UDP Port	Application	ACL Keyword
		FTP Data	ftp-data
		FTP Control	ftp
		SSH	
		Telnet	telnet
		SMTP (mail servers)	smtp
		DNS	domain
		DHCP Server	bootps (dhcp uses bootp)
		DHCP Client (client calls from)	bootpc
		TFTP	tftp
		HTTP (web)	www
		POP (Post Office Protocol) version 3	pop3
		SNMP	snmp
		SSL (often web)	
		Syslog	
	-	RTP (ip telephony & video) range	

Routing Protocol	Protocol	Port	Destination Address
RIPv2 Hellos			
RIPv2 Updates			
EIGRP Hellos			
EIGRP Updates			
OSPF Hellos			
OSPF Updates			

Filtering Ability	Standard ACL	Extended ACL
Source Address		
Source Port		
Destination Address		
Destination Port		
Protocol		
Established		
Able to Log hits		

Standard Numbered ACL Permit Statement

The network 172.16.0.0 255.255.0.0	
The subnet 10.0.0.0 255.255.255.252	
The network 192.168.0.0 /24	
The subnet 192.168.0.0 /29	
The supernet 192.168.96.0 255.255.240.0	
The classful network for 153.16.78.1	
The class A address space of Apple Computer	
Any host	

When Given Address & Wildcard, Find Matching Address Range

21.0.0.0 0.255.255.255	
172.16.24.0 0.0.0.255	
192.168.1.128 0.0.0.63	
192.168.8.0 0.0.7.255	
208.58.12.9 0.0.0.255	
172.30.58.2 0.1.255.255	