

Appendix B

Access List Summary

B

This appendix summarizes the general command syntax and number ranges (or symbolic names) used for the access lists supported by the Cisco software. The summaries are listed by protocol, in alphabetical order. The command to create the access list is given first, followed by the command you use to assign the access list.

Access list ranges are included in the summary descriptions; however, in actual use, only one number is selected from the given range.

Table B-1 (at the end of this appendix) lists the access list number ranges in numerical order.

Note: This summary provides a general listing of Cisco's access list forms. However, this summary is not complete. For a more detailed discussion of using access lists, refer to the specific chapters for discussions of associated filtering mechanisms.

Apollo Domain Access List

Access list specifications:

apollo access-list *name* {**permit** | **deny**} [*firstnet-*] *lastnet.host* [*wildcard-mask*]

Interface assignment command:

apollo access-group *name*

AppleTalk Access List

Access list specifications:

access-list *600-699* {**permit** | **deny**} **network** *network*

access-list *600-699* {**permit** | **deny**} **cable-range** *start-end*

access-list *600-699* {**permit** | **deny**} **includes** *start-end*

access-list 600-699 {permit | deny} within start-end
access-list 600-699 {permit | deny} zone zonename
access-list 600-699 {permit | deny} additional-zones
access-list 600-699 {permit | deny} other-access

Interface assignment commands can be one of the following:

appletalk access-group 600-699
appletalk distribute-list 600-699 in
appletalk distribute-list 600-699 out
appletalk getzonelist-filter 600-699

DECnet Access List

Access list specification can be one of the following:

access-list 300-399 {permit | deny} destination destination-mask
access-list list {permit | deny} source source-mask destination destination-mask
access-list 300-399 {permit | deny} source source-mask [destination destination-mask]
[connect-entries]

Interface assignment commands can be one of the following:

decnet access-group 300-399
decnet in-routing filter 300-399
decnet out-routing-filter 300-399

Ethernet Address Access List

Access list specifications:

access-list 700-799 {permit | deny} address mask

Interface assignment command:

bridge-group 1-9 {input-address-list | output-address-list} 700-799

Ethernet Protocol Access List

Access list specifications:

access-list 200-299 {**permit** | **deny**} *Oxtype-code Oxmask*

Interface assignment command:

bridge-group 1-9 {**input-type-list** | **output-type-list**} 200-299

IP Access Lists

The following variations of IP access lists are available.

Standard IP Access List

Access list specifications:

access-list 1-99 {**permit** | **deny**} *address mask*

Interface/line assignment commands can be one of the following:

ip access-group 1-99

access-class 1-99 {**out** | **in**} (for terminal line assignment)

Router configuration command assignment:

distance *weight* [*address mask*] [1-99]

distribute-list 1-99 **in** [*interface-name*]

distribute-list 1-99 **out** [*interface-name* | *routing-process*]

offset-list 1-99 {**in** | **out**} *offset* (add an offset to metrics for networks)

BGP Access Lists

Access list specification:

ip as-path access-list 1-99 [**permit** | **deny**] *as-regular-expression*

Router assignment command:

neighbor *address* **distribute-list** 1-99 (for BGP filtering BGP advertisements)

neighbor *address* **filter-list** 1-99 {**in** | **out** | **weight** *weight*}

EGP Access Lists

Access list specifications:

access-list *1-99* {**permit** | **deny**} *address mask*

Router assignment command:

neighbor any [*1-99*]

SLIP Access Lists

Access list specifications:

```
access-list 1-99 {permit | deny} address mask
```

Interface assignment command:

```
slip access-class 1-99 {in | out}
```

Extended IP Access List

Access list specifications:

```
access-list 100-199 {permit | deny ip | tcp | udp | icmp} source source-mask dest dest-mask [lt | gt | eq | neq dest-port]
```

Interface assignment command:

```
ip access-group 100-199
```

Novell Access Lists

Standard Novell Access Lists

Access list specifications:

```
access-list 800-899 {deny | permit} novell-source-network[[.source-address[source-mask]]  
novell-destination-network [destination-address [destination-mask]]
```

Interface assignment command:

```
novell access-group 800-899
```

Extended Novell Access Lists

Access list specifications:

```
access-list 900-999 {deny | permit} novell-protocol source-network.[source-address [source-mask]]  
source-socket destination-network. [destination-address [destination-mask]] destination-socket
```

Interface assignment command:

```
novell access-group 900-999
```

Novell SAP Access List Filter

Access list specifications:

access-list *1000-1099* {**permit** | **deny**} *network.[address] [service-type]*

Global configuration assignment commands:

novell input-sap-filter *1000-1099*

novell output-sap-filter *1000-1099*

novell router-sap-filter *1000-1099*

Source-Route Bridge Protocol Type Access List

Access list specifications:

access-list *200-299* {**permit** | **deny**} *type-code wild-mask*

netbios access-list bytes *name* {**permit** | **deny**} *offset pattern*

netbios access-list host *name* {**permit** | **deny**} *pattern*

Transparent Bridge Access List

Access list specifications:

access-list *200-299* {**permit** | **deny**} *type-code wild-mask*

access-list *700-799* {**permit** | **deny**} *address-mask*

Interface assignment command:

bridge-group *200-299* **input-address-list** *list*

VINES Access List

Access list specification can be one of the following:

vines access-list *1-100* {**permit** | **deny**} **IP** *source-address source-mask dest-address dest-mask*

vines access-list *1-100* {**permit** | **deny**} *protocol source-address source-mask source-port dest-address dest-mask dest-port*

Interface assignment command:

vines access-group *list*

XNS Access Lists

Access list specifications:

```
access-list 400-499 {permit | deny} net [source-address] [source-mask] net [dest-address] [dest-mask]
```

Interface assignment command:

```
xns access-group 400-499
```

Extended XNS Access Lists

Access list specifications:

```
access-list 500-599 {permit | deny} xns-protocol net [source-address] [source-mask] source-socket net [dest-address] [dest-mask] dest-socket
```

Interface assignment command:

```
xns access-group 500-599
```

Table B-1 Summary of Numerical Ranges

Protocol	Range
IP	1—99
Extended IP	100—199
Ethernet type code	200—299
DECnet	300—399
XNS	400—499
Extended XNS	500—599
AppleTalk	600—699
Ethernet address	700—799
Novell	800—899
Extended Novell	900—999
Novell SAP	1000—1099

