Cheatography

iptables Cheat Sheet

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Ports

Protocol	Description	Port	TCP/UDP
FTP	File Transfer Protocol	20,21	TCP
SSH	Secure Shell	22	TCP
SMTP	Simple Mail Transfer Protocol	25	TCP
HTTP	Hypertext Transfer Protocol	80	TCP
DNS	Domain Name System	53	TCP/UDP
DHCP	Dynamic Host Configuration Protocol	67,68	UDP
OSPF	Open Shortest Path First	89	IP
POP3	Post Office Protocol version 3	110	TCP
NTP	Network Time Protocol	123	UDP
IMAP	Internet Message Access Protocol	143	TCP
BGP	Border Gateway Protocol	179	TCP
IS-IS	Intermediate System to Intermediate System	149	IP
SNMP	Simple Network Management Protocol	161	UDP
HTTPS	HTTP Secure	443	TCP
SMB	Server Message Block	445	TCP/UDP
L2TP	Layer 2 Tunneling Protocol	1701	UDP
PPTP	Point-to-Point Tunneling Protocol	1723	TCP
RTMP	Real Time Messaging Protocol	1935	UDP
NFS	Network File System	2049	TCP/UDP
RDP	Remote Desktop Protocol	3389	TCP/UDP
SIP	Session Initiation Protocol	5060	UDP/TCP
IGMP	Internet Group Management Protocol	N/A	IP
RTP	Real-time Transport Protocol	N/A	UDP

Basic Commands

Description	Description
Insert	iptables -I <chain> [rule-number] [selection]
Replace	iptables -R <chain> <rule-number>
Delete	iptables -D
Append	iptables -A
List	iptables -L
Policy (Set policy)	iptables -P <chain> <policy>
Zero (Reset Counters in Chain)	iptables -Z [chain [rule]]
Flush (Delete all rules in chain)	iptables -F [chain]
New (Create user-defined chain)	iptables -N <chain-name>
Rename (Rename user-defined chain)	iptables -R <chain> <new-chain-name>
Help	iptables -h

[Optional Parameter]; <Required Parameter>; "selection" is composed of one or more package selectors

Selectors

Description	Selector	Values
Protocol	-p <protocol>	tcp/udp/icmp
Src Address	-s <ip4 address[/Mask]>	Source IP4 Address
Dest Address	-d <ip4 address[/Mask]>	Destination IP4 Address
Network Interace	-i <Interface>	(e.g. eth0, wildcard: +)
Src Port	--sport	Source Port
Dest	--dport	Destination Port
Goto	-g <chain>	Chain name
Jump	-j <target>	ACCEPT, DROP, REJECT

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