

Routerkonfiguration Routingprotokolle

	RIP	RIPv2	EIGRP	OSPF
aktivieren	R(config)# router rip	R(config)# router rip R(config-router)# version 2	R(config)# router eigrp 1 Autonomes System (1 - 65535)	R(config)# router ospf 1 Process-ID (1 - 65535)
Schnittstellen	R(config-router)# network 1.0.0.0		R(config-router)# network 1.0.0.0 0.0.0.255	R(config-router)# network 1.0.0.0 0.0.0.255 area 0
	R(config-router)# passive-interface Fa0/0			
	-		R(config-if)# bandwidth 56 (in kbps)	R(config-if)# bandwidth 128 R(config-if)# ip ospf cost 1568
Netze nicht zusammenfassen	-	R(config-router)# no auto-summary		-
Netze zusammenfassen			R(config-if)# ip summary-address eigrp 1 1.0.0.0 255.255.0.0 5 (Adm. D.)	
statische Routen weiterleiten	R(config-router)# redistribute static			
Defaultroute weiterleiten	R(config-router)# default-information originate		-	R(config-router)# default-information originate
Routen anderer Protokolle weiterleiten	R(config-router)# redistribute eigrp 1 metric ... R(config-router)# redistribute ospf 1 metric ...		R(config-router)# redistribute rip metric ... R(config-router)# redistribute ospf 1 metric ...	R(config-router)# redistribute rip subnets R(config-router)# redistribute eigrp 1 subnets
Spezielle Befehle	R(config-router)# timers basic 30 90 180 270 360 update, invalid, hold-down, flush (s), sleep (ms)		R(config-router)# metric weights 0 1 0 1 0 0 tos, k1, k2, k3, k4, k5	R(config-router)# router-id 1.2.3.4 R(config-if)# ip ospf priority 5 R(config-if)# ip ospf hello-interval 50
show	R# show ip route R# show ip protocols			
	R# show ip rip database		R# show ip eigrp interfaces R# show ip eigrp neighbors R# show ip eigrp topology R# show ip eigrp traffic	R# show ip ospf R# show ip ospf border-routers R# show ip ospf interface R# show ip ospf neighbor R# show ip ospf database
debug	R# debug ip routing			
	R# debug ip rip R# debug ip rip events		R# debug eigrp fsm R# debug eigrp packets	R# debug ip ospf adj R# debug ip ospf events