

Routing Protocol Overview

	RIPv1	RIPv2	IGRP	EIGRP	OSPF	
Administrative Distance		120	120	100	90	110
VLSM	no	yes	no	yes	yes	
max hops		15	15	255	224	none
protocol type	dist vector	dist vector	dist vector	hybrid	link-state	
			bandwidth, line delay, reliability, load, MTU	bandwidth, line delay, reliability, load	bandwidth 100Mb=1 10Mb=10 1Mb=100	
metric	hops	hops				
hello interval	-	-			10s	
update interval	30s	30s	90s	on change	on change (30min))	
update type	table	table	table	changes	changes	
mechanism	broadcast	multicast	broadcast	multicast	multicast	
address		244.0.0.9		224.0.0.10	224.0.0.5/6	
Authentication	no	yes	no	yes	yes	