

Routing Protocols Comparison for CCNA

I have always said I was going to make this chart since I draw it on the board for nearly every CCNA class I teach. Well, here it is. I may add to it later.

Name	Class	Type	Administrative Distance	Metric	Classful/less	Algorithm
RIP v1	Distance Vector	IGP	120	Hop Count	Classful	Bellman-Ford
RIP v2	Distance Vector	IGP	120	Hop Count	Classless	Bellman-Ford
OSPF	Link State	IGP	110	Cost	Classless	Dijkstra (SPF)
Integrated IS-IS	Link State	IGP	115	Cost	Classless	Dijkstra (SPF)
EIGRP	Hybrid (Advanced Distance Vector)	IGP	90 (internal) 170 (external)	Composite (BW + DLY)	Classless	DUAL
BGP	Path Vector	EGP	20 (external) 200 (internal)	Path Attributes (Usually AS-Path)	Classless	

There is obviously more to it than what you see here but for the CCNA this should be pretty good.