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Dynamic Routing Protocol Operation

The Evolution of Dynamic Routing Protocols Dynamic routing protocols used in networks since the

late 1980s Newer versions support the communication based on

Routing Protocols Classification

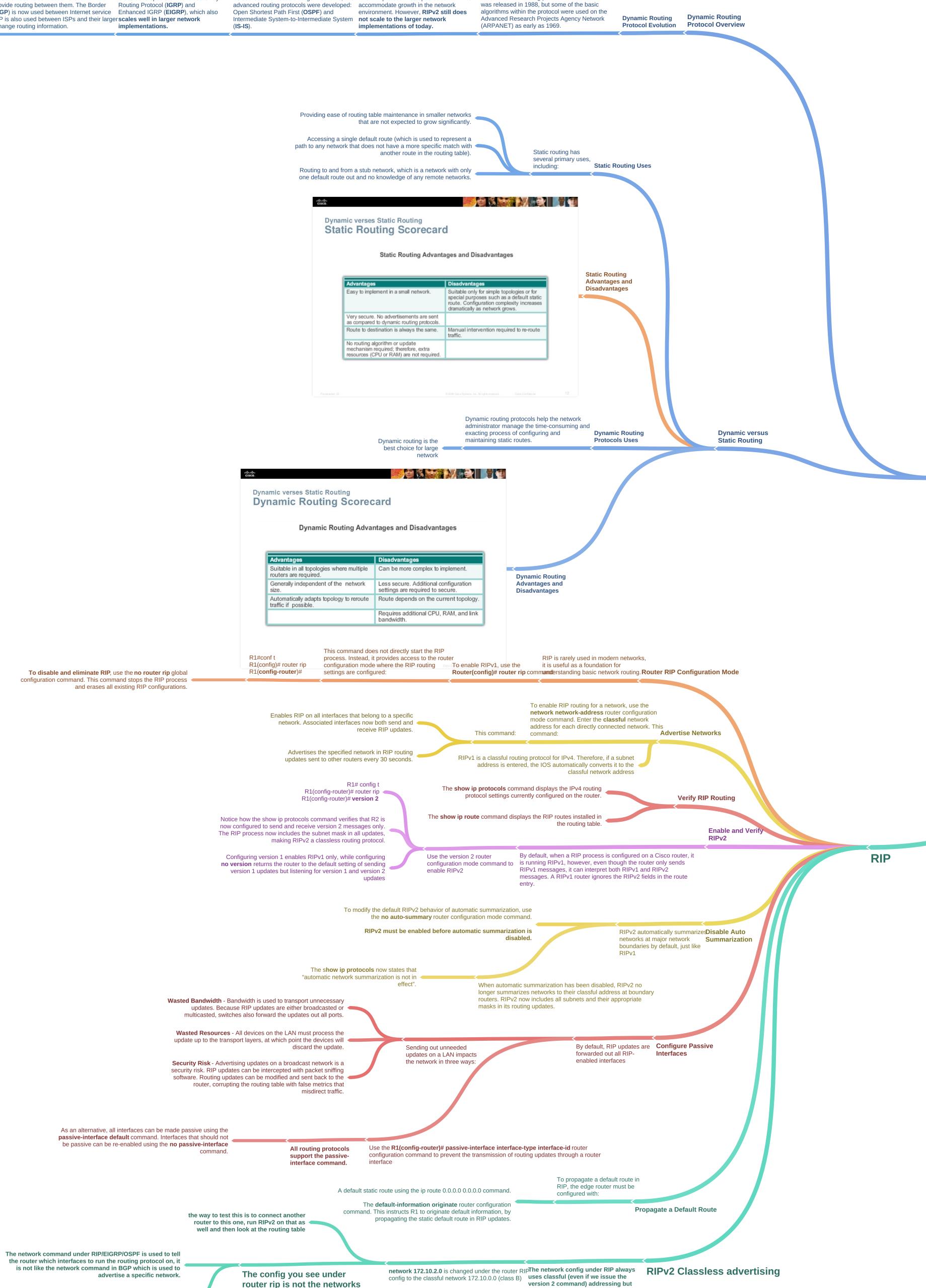
					Exterior Gateway Protocols
	Distance Vector		Link-State		Path Vector
V4	RIPv2	EIGRP	OSPFv2	IS-IS	BGP-4
Pv6	RIPng	EIGRP for IPv6	OSPFv3	IS-IS for IPv6	BGP-MP

Additionally, there was the need to connect different Cisco developed the Interior Gateway To address the needs of larger networks, two The RIP protocol was updated to RIPv2 to One of the first routing protocols was RIP. RIPv1 internetworks and provide routing between them. The Border Routing Protocol (IGRP) and advanced routing protocols were developed: accommodate growth in the network was released in 1988, but some of the basic Gateway Protocol (BGP) is now used between Internet service Enhanced IGRP (EIGRP), which also Open Shortest Path First (OSPF) and environment. However, RIPv2 still does algorithms within the protocol were used on the providers (ISPs). BGP is also used between ISPs and their larger scales well in larger network private clients to exchange routing information. implementations. implementations of today. (ARPANET) as early as 1969.

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Routing

**Protocols** 

