

Supplemental Reading for Routing Protocol Examples

We've covered a few different routing protocol types, but we haven't discussed the details of how the actual implementation of these protocols might matter.

Many **network protocols** are implemented based on specifications published by the [Internet Engineering Task Force \(IETF\)](#). We'll cover this in more detail in a future lesson!

The most common **distance vector protocols** are [RIP](#), or [Routing Information Protocol \(IETF RFC2453\)](#), and [EIGRP](#), or [Enhanced Interior Gateway Routing Protocol \(Cisco documentation\)](#). The most common link state protocol is [OSPF](#), or [Open Shortest Path First \(IETF RFC2328\)](#).

In terms of **exterior gateway protocols**, there is only one in use today. The entire Internet needs to agree on how to exchange this sort of information, so a single standard has emerged. This standard is known as [BGP](#), or [Border Gateway Protocol \(IETF RFC4271\)](#).