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)](https://www.ietf.org/). We'll cover this is more detail in a future lesson!

The most common **distance vector protocols** are [RIP, or Routing Information Protocol](https://en.wikipedia.org/wiki/Routing_Information_Protocol) ([IETF RFC2453](https://tools.ietf.org/html/rfc2453)), and [EIGRP, or Enhanced Interior Gateway Routing Protocol](https://en.wikipedia.org/wiki/Enhanced_Interior_Gateway_Routing_Protocol) ([Cisco documentation](https://www.cisco.com/c/en/us/support/docs/ip/enhanced-interior-gateway-routing-protocol-eigrp/16406-eigrp-toc.html)). The most common link state protocol is [OSPF, or Open Shortest Path First](https://en.wikipedia.org/wiki/Open_Shortest_Path_First) ([IETF RFC2328](https://tools.ietf.org/html/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](https://en.wikipedia.org/wiki/Border_Gateway_Protocol) ([IETF RFC4271](https://tools.ietf.org/html/rfc4271)).