**Cisco Networks – EIGRP versus OSPF**

Overview:

As part of your assigned readings and material covered in the class lecture, you have been provided information about the EIGRP and OSPF dynamic routing protocols. For this assignment you will perform research about why companies select EIGRP over OSPF, or vice versa, as a dynamic routing protocol for their network infrastructure. Be sure to consider items such as historical implications of EIGRP as a protocol independent routing protocol, configuration difficulty, interoperability, and convergence time. Be sure to review the suggested articles / information provided below to aid in your research.

Required Resources:

* Textbook and lecture notes
* Internet access

Internet Research Resources:

Suggested articles / information:

* EIGRP vs. OSPF: <http://www.networkworld.com/community/node/16276>
* Migrating EIGRP to OSPF: <http://www.juniper.net/us/en/community/junos/training-certification/day-one/networking-technologies-series/migrating-eigrp-to-ospf/> (Chapter 1)

Deliverables:

* Provide information in table form comparing the EIGRP to OSPF in terms of the following: protocol support, type (link-state, etc.), algorithm for path selection, metrics, scalability, and administrative distance.
* Provide information on the historical significance of EIGRP providing routing for multiple protocols including IPX.
* Provide information on the historical significance of OSPF SPF calculation computational cost.
* Provide information on the significance of the interoperability of OSPF in today’s networks.
* Cite the sources you consulted.