

INTERNETWORKING II

Chapter 11 Study Guide

What is the Network Layer of the OSI model is responsible for?

Which part of an IP address does the router use for path determination?

Describe the difference between a "routing" protocol and a "routed" protocol.

What are some advantages of dynamic routing?

What are some disadvantages of dynamic routing?

What is a big disadvantage of static routing?

A "stub network" contains how many paths to a router?

What are the most commonly used metrics that routers use to evaluate a path?

What is convergence?

Distance-vector algorithms send what to its neighbors?

What is a routing loop?

What are hold-down timers used for and how are they useful?

List some link-state algorithms and how these types of metrics differ from distance-vector algorithms.

Name some protocols that use link-state algorithms.

What happens when routers have different sets of LSAs?

Which protocol uses a hybrid routing protocol?

What is a default route and when is it used?

What is a split horizon?