



# Introduction

10.0.1

## Why should I take this module?

Welcome to Network Management!

Imagine that you are at the helm of a spaceship. There are many, many components that work together to move this ship. There are multiple systems to manage these components. To get where you are going you would need to have a full understanding of the components and the systems that manage them. You would probably appreciate any tools that would make managing your spaceship - *while you are also flying it* - simpler.

Like a complex spaceship, networks also need to be managed. Happily, there are many tools that are designed to make network management simpler. This module introduces you to several tools and protocols to help you manage your network - *while your users are using it*. It also includes many Packet Tracer activities and Hands On Labs to test your skills. These are the tools of great network administrators, so you will definitely want to get started!

10.0.2

## What will I learn to do in this module?

**Module Title:** Network Management

**Module Objective:** Implement protocols to manage the network.

Topic Title	Topic Objective
Device Discovery with CDP	Use CDP to map a network topology.
Device Discovery with LLDP	Use LLDP to map a network topology.
NTP	Implement NTP between an NTP client and NTP server.
SNMP	Explain how SNMP operates.
Syslog	Explain syslog operation.
Router and Switch File Maintenance	Use commands to back up and restore an IOS configuration file.
IOS Image Management	Implement protocols to manage the network.