

13.3 Virtual Networking

As you study this section, answer the following questions:

- What is a virtual switch?
- What is a Linux bridge?
- What modes are available on a Linux bridge?
- What is a multi-homed virtual machine?
- What is an overlay network?

In this lesson, you will learn to:

- Configure networking on a virtual machine.

Key terms for this section include the following:

Term	Definition
Virtual switch	A logical network switch built into a hypervisor.
Linux bridge	A virtual switch in a Linux hypervisor.
Linux bridge mode	One of several ways that a Linux bridge can operate including NAT mode, bridged mode, routed mode, and isolated mode.
Multi-homed	A computer or virtual machine that has more than one NIC and more than one IP address.
Overlay network	A virtual network built on top of an existing network.

This section helps you prepare for the following certification exam objectives:

Exam	Objective
CompTIA Linux+	<p>1.5 Compare and contrast cloud and virtualization concepts and technologies.</p> <ul style="list-style-type: none">• Network considerations<ul style="list-style-type: none">◦ Bridging◦ Overlay networks◦ NAT◦ Local◦ Dual-homed