

FIREWALLS & NETWORK SECURITY with
Intrusion Detection and VPNs, 2nd ed.

Chapter 4

Finding Network Vulnerabilities

Learning Objectives

- ◆ Name the common categories of vulnerabilities
- ◆ Discuss common system and network vulnerabilities
- ◆ Locate and access sources of information about emerging vulnerabilities
- ◆ Identify the names and functions of the widely available scanning and analysis tools

Introduction

- ◆ To maintain secure networks, information security professionals must be prepared to identify system vulnerabilities, whether by hiring system assessment experts or by conducting self-assessments using scanning and penetration tools
- ◆ Network security vulnerability is defect in product, process, or procedure that, if exploited, may result in violation of security policy, which in turn might lead to loss of revenue, loss of information, or loss of value to the organization