

Securing Red Hat Enterprise Linux

Objectives

- Confidentiality
- Integrity
- Availability

Methods

- Firewalls
- Encryption
- Securing of Critical Servers
- Virtual Private Networks
- Intrusion Detection

Security Controls

- Physical Controls
- Technical Controls
- Administrative Controls

Securing Red Hat Enterprise Linux

- Security Updates
- Workstation Security
- Server Security
- Virtual Private Networks
- Firewalls

Security Updates

- Register with Red Hat Network
- Update regularly
- RHN for your organization

WorkStation Security

Threats to workstation security

- Bad Passwords
- Vulnerable Applications

Securing Workstations

- BIOS Passwords
- User password security
- Administrative controls
- Available network services
- Personal Firewalls
- Secure networking

Threats to Server Security

- Unutilized services and open ports
- Unpatched services
- Inattentive administration
- Insecure services

Securing Servers

- Remove unnecessary services
- Secure necessary services with tcp wrappers and xinetd
- Configure each server in the most restrictive way

Virtual private Networks

- Crypto IP Encapsulation
- IPSec

Firewalls

- IPTables
- IP6Tables

Documentation from
<http://www.redhat.com/docs/manuals/>

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Thank You