

Ontario Skills Competition – Networking/IT

Practical Scenario: MapleLeaf Books Office Deployment

Scenario Overview

You have been hired as an IT technician for MapleLeaf Books, a small bookstore operating both a physical storefront and an online bookstore. You must deploy an internal network and hosting environment supporting office operations, storage, and public-facing web services.

Requirements / Tasks

- Design IPv4 addressing for 3 network segments (Office, Storage, Web/DMZ) using private addressing.
- Configure File Server with shared folders: Sales, Inventory, Management with proper permissions.
- Deploy Web Server hosting a basic index.html page accessible internally and externally (simulated).
- Configure firewall rules allowing HTTP/HTTPS to web server, internal-only file sharing, and blocking internet from storage segment.
- Submit documentation including addressing plan, logical network diagram, firewall rules, and verification steps.

Marking Rubric

Category	Criteria	Points
Network Design	Correct addressing, subnetting, gateway assignment	20
Server Setup - File	Shares created, permissions applied correctly	20
Server Setup - Web	Web service deployed and reachable	20
Firewall Rules	Rules meet requirements and function properly	20
Documentation	Diagram, addressing, verification, clarity	20
Total		100