

# Fredonia Minimum Security Standards: Servers

A server is defined as a host that provides a network accessible service.

Follow the minimum security standards in the table below to safeguard your servers.

STANDARDS	RECURRING TASK	WHAT TO DO	LOW RISK	MODERATE RISK	HIGH RISK
Patching		Based on National Vulnerability Database (NVD) ratings, apply high severity security patches within seven days of publish and all other security patches within 30 days. Use a supported OS version.			
Vulnerability Management		Perform a monthly Vulnerability scans via Enterprise Vulnerability Management System. Remediate severity Critical and High within seven days of discovery and severity Medium vulnerabilities within 90 days.			
Inventory		Review and update records quarterly. Maximum of one node per record.			
Firewall		Enable host-based firewall in default deny mode and permit the minimum necessary services.			
Credentials and Access Control		Review existing accounts and privileges quarterly.			
Two-Factor Authentication		Require Duo two-factor authentication for all interactive user and administrator logins. Duo two-factor will be required for all local and remote authentications.			
Centralized Logging		Forward logs to a remote log server. University IT Splunk service recommended.			
Security Training		Complete annual Secure the Human Training.			
Malware Protection & Intrusion Detection		Deploy Symantec Endpoint Protection. Review alerts as they are received.			
Physical Protection		Place system hardware in a data center.			
Dedicated Admin Workstation		Access administrative accounts only through a Privileged Access Workstation (PAW).			
Security, Privacy, and Legal Review		Request a Security, Privacy, and Legal review by the Information Security Officer and implement recommendations prior to deployment.			
Regulated Data Security Controls		Implement PCI DSS, HIPAA, FISMA, or export controls as applicable per the Information Security Officer.			

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