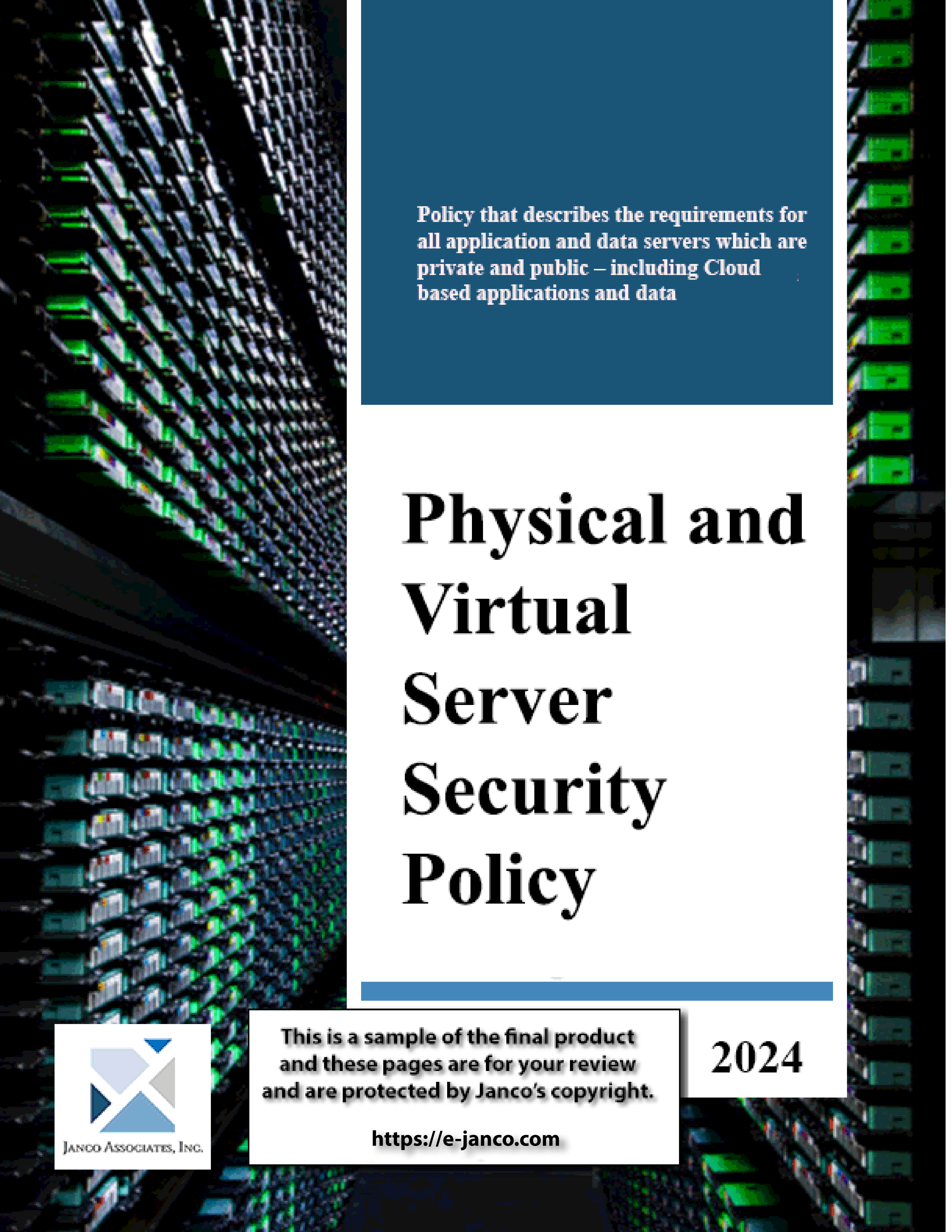


Policy that describes the requirements for all application and data servers which are private and public – including Cloud based applications and data

Physical and Virtual Server Security Policy

2024

Janco Associates, Inc.

Table of Contents

Physical and Virtual File Server Security Policy 3
- Policy Purpose 3
- Policy Statement....3
- Applicability 3
- Terms and Definitions....3
- Server Requirements 4
  - Critical Server Requirements 4
  - General Server Requirements....4
  - Public Server Requirements....4
- Server Configuration Guidelines....5
- Ransomware Protection 6
- AI Server Security Tools 7
- Job Descriptions....8
  - Chief Information Security Officer
- Forms 9
  - Server Registration Form
  - Application & File Server Inventory

What's New 10

Physical and Virtual File Server Security Policy

Policy Purpose

The purpose of this policy is to establish guidelines for the security and management of critical, general, and public servers hosting enterprise data and applications. This includes data and servers that are located in virtual environments (i.e. cloud). Included are all derivations of data and applications that are stored in any format or media by any users of the data and applications.

Policy Statement

Physical servers must be housed in a secure, climate-controlled, and monitored environment with emergency power support. Virtual servers must be in a secure and controlled environment that meets all mandated compliance requirements and be pre-approved by the CIO and CSO of the enterprise. A system administrator will be designated for the installation, configuration, monitoring, administration, and maintenance of the server's operating system, security, compliance, software, and hardware support.

Sensitive, private, and confidential data is not to be stored or back-up on public (open) servers on the cloud without a complete review and approval of the IT group, internal audit, and external auditors.

Applicability

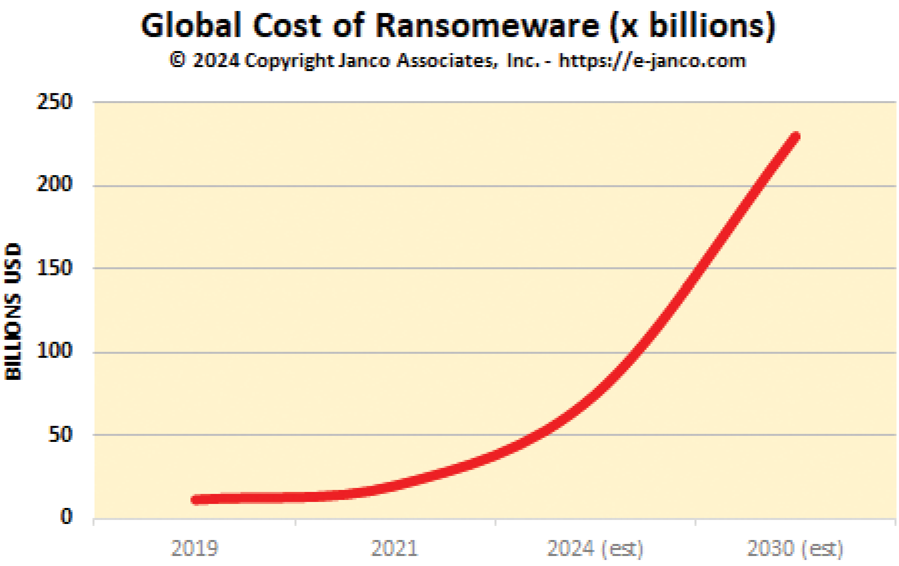
This policy applies to all servers (both data and application), system administrators, and computer systems running server operating system software connected to the enterprise network.

Terms and Definitions

- **Critical server** – a system housing sensitive or confidential data, requiring external access which serves critical business functions.
- **General server** – a system housing public data, requiring internal-only access, and serves general business functions.
- **Public server -** a server that is in the virtual environment (cloud) that can be accessed from anywhere by anyone who has access to the network (Internet).

Ransomware Protection

The number of Ransomware attacks cost associate with those attacks continues to soar. It is estimated to be over $100 billion and close to $250 billion by 2030.



- Educate and train your users
- Update and patch your OS and software
- Set up anti-virus and anti-ransomware software
- Use highly secure target storage repositories with air-gapped volumes, WORM, and S3 object lockdown features
- Set up backup and DR
- Install antivirus software, keep up to date with the latest patches, and use strong passwords
- Back up your data regularly and store it offline or in a separate secure location

AI Server Security Tools

AI based server monitoring is a tool that can be used to monitor, detect, communicate, respond to issues that impact the security of servers. Some of the features of one such product by Cornerbowl Software - https://www.cornerbowlsoftware.com/

- Agent-based and agentless event log consolidation, backups, archiving, retention, parsing, real-time monitoring and security audit reporting
- Centrally manage all of your hardware devices with our high throughput UDP and TCP Red Hat, Ubuntu and Windows Syslog servers
- Cloud-based and on-premises Azure Microsoft Entra ID and Office 365 audit log, sign-in log and identity risk events log management
- Agent-based Linux, Red Hat Enterprise Linux and Ubuntu log management to meet all of compliance and auditing requirements
- Centrally consolidate, backup, archive, retain, parse, monitor and analyze W3C, CSV, IIS Logs, Windows firewall logs and any other text-base log file on both Windows and Linux
- Detect intrusions in real-time, notify and take meaningful action to automatically block active cyber-attacks and prevent new cyber-attacks

Job Descriptions

Attached is the following job description in a subdirectory

Chief Information Security Officer

Forms

Attached are forms that are in the subdirectory named forms

Server Registration Form

Application & File Server Inventory

WHAT'S NEW

2024

- Added Section on AI Server Security Tools
- Added job description for Chief Information Security Officer CISO
- Updated included forms

2023

- Updated included forms

2022

- Updated to meet the latest ISO requirements
- Updated included forms

2021

- Updated included forms

2020

- Reviewed and updated to meet all mandated security and privacy requirements for CCPA
- Updated the included electronic forms

Version 1.3

- Reviewed and updated to meet all mandated security and privacy requirements – including GDPR
- Added Updated Server Registration Form
- Added Application & File Server Inventory Form