



Complying with the National Cybersecurity Authority

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A Triofox Whitepaper

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Introduction to Triofox

File Server Mobile Enhancement Solution

Triofox is a file server mobile enhancement solution that enhances your remote workforce productivity without compromise.

In this age of ever-evolving technology and ever-increasing mobile workforce, I.T. must secure and protect data and provide mobile and productive remote file server access from anywhere using any device.

Due to natural disasters and calamities, organizations are also looking for an offsite or cloud backup for easy recovery. In addition, ransomware attacks are also prevalent and have been a significant threat to businesses of all sizes.

Triofox enhances existing Windows file servers with secure remote access, mobile file sharing, data protection, and offsite backup while addressing business concerns about security, privacy, compliance, and control. Triofox enhances your mobile workforce's productivity without sacrificing data ownership, data privacy, and data security.



Increase Employee Mobility

Boost mobile workforce productivity with mobile applications, Windows and Mac client agents, and web browser based file manager.



Eliminate VPN Headaches

Take your office experience anywhere with a simple mapped drive that easily connects to a file server. Fix everything you hate about VPNs without moving to the cloud!



Maximize Security

Protect your network by translating remote requests for files to authenticated queries to Active Directory and network shares.



Maintain Compliance and Data Ownership

Eliminate data leakage and shadow IT threats by keeping data on your file servers while leveraging Active Directory and NTFS permissions for access control.



Centralized Management

Centrally manage users, access controls and easily keep track of where the data is, who has access and how it's being accessed and updated.



Boost Productivity

Provide an always-on mapped drive that works anywhere on any device and allows mobile users to access internal file shares and collaborate with colleagues easily.



2-2 Essential Cybersecurity Controls

This section describes how Triofox's built-in security features can help agencies comply with specific sections and clauses of the N.C.A.

NCA Requirement

The cybersecurity requirements for identity and access management must include at least the following:

2-2-1 User authentication based on username and password.

2-2-2 Multi-factor authentication for remote access.

2-2-3 User authorization based on identity and access control principles: Need-to-Know and Need-to-Use, Least Privilege and Segregation of Duties.

2-2-4 Privileged access management.

How Triofox can Help

Triofox natively integrates with your on-premises Active Directory and NTFS permissions. Unlike many large cloud vendors, it protects data and file integrity, and data "sprawl" is eliminated. It enhances your mobile workforce productivity without sacrificing data ownership, data privacy, and data security.

Triofox leverages Google Authenticator, Amazon M.F.A., or DUO for two-factor Authentication.

Triofox defines several different user scopes including administrators and regular users.

2-5 Networks Security Management

NCA Requirement

2-5-5 Management and restrictions on network services, protocols and ports.

How Triofox can Help

Triofox natively integrates with your on-premises Active Directory and NTFS permissions. The external interface is limited to HTTPS/SSL and port 443. Internally it is locked down to LDAP protocol for Active Directory authentication and the SMB protocol for file access.





2-6 Mobile Devices Security

NCA Requirement

The cybersecurity requirements for mobile devices security and BYOD must include at least the following:

2-6-1 Separation and encryption of organization's data and information stored on mobile devices and BYODs.

2-6-2 Controlled and restricted use based on job requirements.

2-6-3 Secure wiping of organization's data and information stored on mobile devices and BYOD in cases of device loss, theft or after termination/separation from the organization.

2-6-4 Security awareness for mobile devices users

How Triofox can Help

Triofox allows device management, including monitoring, revoking access to specific devices, and remotely wiping the confidential company content from a compromised device or a stolen device. With military-grade endpoint encryption, secure connections, and network protocol locking down to the minimum required. It is more secure with less surface exposure.

The company data is separated into an encrypted cache, while the access control is defined by the company Active Directory and permission control.

The ransomware feature monitors the user behavior for abnormal file access patterns.

2-7 Data and Information Protection

NCA Requirement

The cybersecurity requirements for protecting and handling data and information must include at least the following:

2-7-1 Data and information ownership.

2-7-2 Data and information classification and labeling mechanisms.

2-7-3 Data and information privacy

How Triofox can Help

Triofox does not require you to copy your Data anywhere. The data stays in your data center on local file servers. It enables secure file server access without a VPN using your file server shares and Active Directory infrastructure.

It is straightforward to set up and use in any Windows environment. It is much more robust and has a better user interface. It also creates a mapped drive with on-demand sync, which delays downloads until files are opened and cached for fast future access.

With Triofox, businesses retain data ownership and use existing Active Directory to protect data access.

2-8 Cryptography

NCA Requirement

The cybersecurity requirements for cryptography must include at least the following:

2-8-1 Approved cryptographic solutions standards and its technical and regulatory limitations.

2-8-2 Secure management of cryptographic keys during their lifecycles.

2-8-3 Encryption of data in-transit and at-rest as per classification and related laws and regulations.



How Triofox can Help

Triofox uses strong encryption, military grade encryption by deploying AES 256-bit encryption on all protected documents. Data will be encrypted and protected at rest, at transit, and at work. Enable built-in 2-FA for an added layer of security.

2-9 Backup and Recovery Management

NCA Requirement

The cybersecurity requirements for backup and recovery management must include at least the following:

2-9-1 Scope and coverage of backups to cover critical technology and information assets.

2-9-2 Ability to perform quick recovery of data and systems after cybersecurity incidents.

How Triofox can Help

Triofox provides version control and private backup features for the files and folders.

With Triofox, your private cloud backup data repository is also an active, shared workspace that can be accessed directly when your file servers are unavailable.

Or you can instantly spin up a new environment by restoring the file server network shares to a new off-site location.

2-12 Cybersecurity Event Logs and Monitoring Management

NCA Requirement

The cybersecurity requirements for event logs and monitoring management must include at least the following:

- 2-12-1** Activation of cybersecurity event logs on critical information assets.
- 2-12-2** Activation of cybersecurity event logs on remote access and privileged user accounts.
- 2-12-4** Continuous monitoring of cybersecurity events.
- 2-12-5** Retention period for cybersecurity event logs (must be 12 months minimum).

How Triofox can Help

Triofox adds ransomware protection and alerts to your file servers. It disables the device or user's access to file servers if it sees a possible attack. It also sends an alert to the administrator when it detects the threat from the server-side. Triofox adds versioning and backup of your file servers, allowing you to recover from any attacks or accidental deletions quickly. Triofox also adds versioning and file change history to your file servers. It protects your data from accidental deletion or unexpected corruption with version controls at the file level. With version control, users can go back in time to see the file changes and resolve conflicts or restore files. It also allows organizations to define their retention policies based on their compliance needs.





About Gladinet Inc.

Gladinet Inc. offers solutions that enhances existing Windows file servers with secure remote access, mobile file sharing, data protection, and cloud migration, while addressing business concerns about security, privacy, compliance and control.

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