

# RepliWeb-MFT and NIST 800-53

The National Institute of Standards and Technology Special Publication 800-53 (NIST 800-53) was created to provide US Federal agencies with guidelines for the selection of security controls for information systems.

**RepliWeb-MFT** helps customers to meet these guidelines by securing and auditing the internal and external exchange of data.

Requirement	R-MFT Features
<b>AC-2</b> Account Management <b>IA-2</b> Identification and Authentication	Personal user account for each user User accounts can be defined in R-MFT or in Active Directory Support for group settings (R-MFT / Active Directory) User passwords are protected in storage
<b>AC-5</b> Separation of Duties	Separate roles for administrator and users
<b>AC-3</b> Access Enforcement	R-MFT use is permitted only to authorized users User folder access is permitted according to specific user / group permissions Support for Active Directory user management mechanisms, including groups and roles Support for IP / Port – based access control
<b>AC-11</b> Session Lock	Automatic logoff after a user-defined period of idle time
<b>SC-13</b> Use of Cryptography	Transferred data is encrypted using AES (256 bit), Triple DES (168 bit) or RC4 (128 bit)
<b>SC-28</b> Protection of Information at rest	Data at rest is encrypted using AES (256 bit) User passwords are protected in storage (When using Active Directory, all passwords are protected by Microsoft Active Directory industry-standard mechanisms)
<b>SC-9</b> Transmission Confidentiality	Transferred data is encrypted using AES (256 bit), Triple DES (168 bit) or RC4 (128 bit) Mandatory use of encrypted protocols
<b>SI-7</b> Software and Information Integrity <b>SC-8</b> Transmission Integrity	Package-level and File-level Integrity checks User / Administrator-defined integrity checks, using inspection policies (e.g. malware checks) Integrity checks for administrative messages Comparison of source and target files Encryption of transferred data prevents interception and modification while in transit
<b>CP-9</b> Information System Backup <b>CP-10</b> IS Recovery and Reconstitution <b>SC-5</b> Denial of Service Protection	Configuration and Data backup and restore mechanisms Front End load balancing Cluster support
<b>AU-2</b> Auditable Events <b>AU-12</b> Audit Generation <b>AU-14</b> Session Audit	Login / logout activity is logged All package and file transfer activity is logged Automated (Host-to-Host) transfers are logged Interfaces with Microsoft FTP server are logged Integration with Windows Event Viewer

## Key Benefits

- Secure the exchange of data over standard Internet connections
- Meet requirements for reporting and auditing
- Encrypt data at-rest and in-transit

## Prepared by Alfa Consulting

This analysis was prepared by Alfa Consulting. Alfa specializes in developing effective security architectures for products and services and assists vendors with regulatory compliance.

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# RepliWeb

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