# MainTegrity CSF v3.2

**MainTegrity CSF** closes critical security gaps that have led to devastating cyberattacks and significant data loss on z/OS systems. As the leader in ransomware avoidance, CSF has been enhanced to provide immediate damage control and instant attack detection. CSF V3.2 now adds data exfiltration defenses and delivers a unified control in a crisis.

## New in v3.2

**Data Theft Protection:** Detect & stop data transfer to unknown IP address

Detect & halt data transfers exceeding thresholds (TSO & batch)

Alert on suspicious network traffic

Learn normal transfer behavior to reduce false positives

**Instant user lockout:** Revoke offending user IDs when compromised

**Tamper detection:** Flag use of AMASPZAP and VTOC manipulation

**Block dangerous commands:** Prevent malicious operator commands and privilege escalation before damage occurs

**Monitor reconnaissance:** Detects suspicious user activity before attack

**Enhanced Human Interface:** web-based interface for quicker investigation and customer specific recovery guidance

**Gather network statistics:** Discover mainframe network connections and monitor abnormal usage patterns

## Core Features

**Ransomware Avoidance:** Find malware/ransomware and restore integrity before an attack with FIM+

**No False Positives:** Learning system accurately identifies unauthorized changes without false alerts

**Continuous Detection:** Identify, intercept, and resolve many attack vectors not protected by z/OS

**Instant Damage Control:** Suspend attackers to stop damage, effectively reducing human reaction time

**Integrated Recovery:** Restore from conventional and immutable backups (Dell, IBM, Hitachi)

**Browser-Based Support GUI:** Intuitive UI allows faster reaction for both new and experienced support staff

**Audit reports:** Save time and effort with built-in automated reports

**Mass Deletes / Overwrites:** Monitor excessive deletion or updating of datasets and enable corrective actions

**Encryption Detection:** Real-time monitoring for malicious encryptions, a common attack vector

| Feature | MainTegrity CSF | Traditional Solutions |
|---|---|---|
| Malware/Ransomware Prevention (FIM+) | Yes | No |
| z/OS Authorization Tampering (Root Authority) | Yes | No |
| Privilege Escalation Detection (RACF, ACF2, TSS / SMF bypass) | Yes | Delayed |
| Immediate Suspend / Resume / Countermeasures | Yes | No |
| Real-Time Alerts with False Positive Elimination | Yes | Some |
| One-click Browser-Based GUI with integrated forensics | Yes | No |
| Integration with Immutable Backups, Recovery Plans | Yes | Manual |
| Network Data Flow and Behavior Monitoring | Yes | No |
| Immediate User Lockout | Immediate | Manual |
| Surgical System Recovery | Yes | Manual |
| Immutable + Conventional Backup Recovery | Yes | Partial or Manual |
| Compliance (NIST, DORA, Zero-Trust, ISO, etc.) | Yes | Limited |

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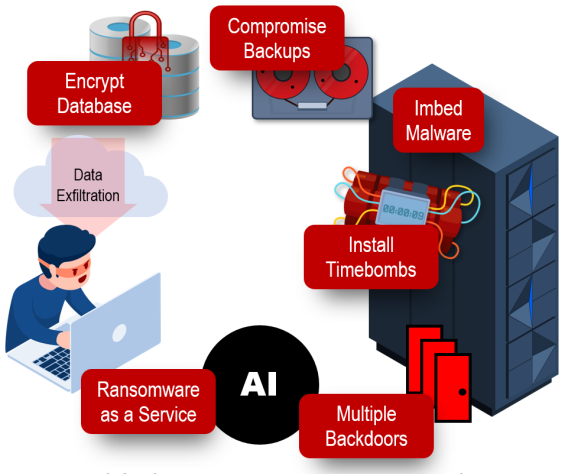
## Early Warning

The Early Warning system detects threats before damage happens by monitoring the system for signs of an attack

- Detects unusual access patterns, excessive reads, and privilege escalation attempts
- Flags unauthorized command usage and configuration probing
- Identifies attack planning behaviors like footprinting or user impersonation
- Triggers real-time alerts tied to specific recovery actions and playbooks




CSF defends against common ransomware attacks

## Operational Simplicity, Built for Action

MainTegrity CSF was designed for teams of any size and skill level. Get the insights, actions, and recovery you need without deep mainframe expertise

- Early Warning detects suspicious behavior before damage occurs
- Guided response shows staff exactly what changed, who did it, and how to recover
- Faster recovery with smart automation, built-in forensics, and the right backups pre-selected
- Fewer false alarms, less manual work, and easy integration with SIEM and ITSM tools

## The Leader in Ransomware Defense

**Was it approved?** FIM+ tracks every approved change and identifies malicious alterations.

**Who did it?** FIM+ knows when issues started and which components were affected, allowing it to select SMF records to identify the offender, saving hours of searching

**Who needs to know?** FIM+ sends real-time alerts to support staff via text or email, and updates tools like ServiceNow, Remedy, Splunk, QRadar and others

**How can we recover?** FIM+ provides a browser-based GUI that displays forensic information, selects the right components for recovery, and automatically creates restore jobs to return systems to their trusted state

## Compliance and Standards

MainTegrity CSF enhances compliance with international security standards, including NIST CSF, PCI DSS, DORA, ZeroTrust, ISO, HIPAA, and many others, providing the required reporting and audit capabilities.

## Enhanced Cyber-Resiliency

MainTegrity CSF excels in today's evolving threat landscape by preventing attacks and automating recovery. It introduces a critical new layer of security to z/OS, offering unmatched capabilities to protect, detect, respond, and recover. With instant detection, real-time alerts, and immediate suspension of malicious activities, CSF enables rapid human intervention and precise recovery, drastically reducing potential damage.

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