

Enhancing Identity and Access Management (IAM) with Eclipses MTE

The Background

A growing financial services company faced increasing risks from **identity theft, session hijacking, and unauthorized access**. As their business expanded, the company struggled to maintain secure access controls for employees, partners, and clients. Despite deploying a robust Identity and Access Management (IAM) platform, they remained vulnerable to token theft, credential abuse, and API-based attacks.

The Challenges

- **Session Hijacking & Token Theft** – Attackers exploited stolen session tokens to bypass authentication systems.
- **Phishing & Credential Abuse** – Employees and customers were targeted by social engineering attacks, compromising their login details.
- **Compliance Pressure** – Meeting regulatory requirements such as **GDPR, PCI DSS, and NIST** became increasingly difficult with traditional security methods.
- **Operational Complexity** – Frequent key rotations and additional security layers created system inefficiencies and disrupted user experience.

The Solution: Integrating Eclipses MTE with IAM

By integrating **Eclipses MTE (MicroToken Exchange)** with their IAM platform, the financial services company achieved a new level of security, eliminating traditional vulnerabilities in access management.

How Eclipses MTE Enhanced IAM Security

1. **Tokenized Session Data**: MTE replaced sensitive session data and login tokens with one-time-use tokens that are meaningless if intercepted.
2. **Eliminated Session Hijacking Risks**: Attackers attempting to reuse compromised session tokens found them invalid, as MTE tokens are designed to expire immediately after use.
3. **Zero-Trust Access Controls**: Only authenticated endpoints paired with MTE-protected requests could access sensitive systems, eliminating unauthorized data requests.
4. **Seamless Integration**: MTE was added directly to their IAM solution, enhancing security without disrupting user workflows.
5. **Compliance Assurance**: MTE's FIPS 140-3 certified protection simplified the company's ability to meet stringent security standards.

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Key Benefits

- 100% elimination of exposed session data risks.
- Mitigated 80% of OWASP API vulnerabilities — including broken authentication threats.
- Improved user experience by securing data without adding login complexity.
- Reduced operational costs by eliminating frequent key rotations and redundant security tools.

Outcome

With Eclypses MTE integrated into their IAM system, the financial services company experienced

- 50% reduction in account takeover attempts.
- 30% savings on cyber insurance premiums due to reduced exposure risks.
- Improved customer trust by ensuring user data remained secure at every step.

Conclusion

By implementing **Eclypses MTE** as part of their IAM solution, the financial services company achieved superior data protection, reduced attack surfaces, and simplified compliance — empowering them to scale their business securely and confidently.

Contact us today to learn how MTE can strengthen your IAM security.

