



## Secure Every Identity with Cyberus Systems' ZTSaaS



### Elevating Identity Security with Cyberus Systems' ZTSaaS: Beyond Traditional MFA

In the ever-advancing cyber landscape, traditional security measures like Multi-Factor Authentication (MFA) have become expected norms rather than cutting-edge defenses. Cyberus Systems understands that protecting identities in the digital age requires a Zero Trust approach, seamlessly integrating with regulatory and industry standards across all sectors. Our ZTSaaS offering is designed to meet and exceed these standards, ensuring your critical systems remain shielded from ever-present cyber threats.

## Why MFA is Just the Beginning

MFA is a critical component of any cybersecurity strategy, but as threat actors become more sophisticated, the traditional username and password — even with an additional factor — are no longer sufficient. We live in a time where social engineering and advanced phishing tactics can circumvent traditional MFA.

Here are some key statistics, facts, and future predictions regarding “Identity Security” in the realm of cybersecurity:

1. **Growing Incidence of Identity Theft and Fraud:** Identity theft and fraud have increased, partly due to the increasing digitalization of personal information. According to reports, each year, millions of individuals globally are affected by identity theft, leading to significant financial losses.
2. **Rising Importance of Multi-Factor Authentication (MFA):** MFA, which requires users to provide two or more verification factors to gain access to a resource, has significantly increased. MFA is recognized as a crucial tool in preventing unauthorized access to personal and business accounts.
3. **Phishing Attacks as a Primary Threat:** Phishing attacks remain one of the primary methods attackers use to compromise user identities. These attacks often involve tricking individuals into providing sensitive information like usernames and passwords.
4. **Impact of Data Breaches:** Data breaches expose vast amounts of personal data, including names, addresses, Social Security numbers, and financial information. These breaches provide cybercriminals with the data needed for identity theft and fraud.



5. **Advancements in Biometric Security:** Biometrics (like fingerprint and facial recognition) are increasingly used for identity verification, offering a higher security level than traditional passwords.
6. **The Role of Artificial Intelligence and Machine Learning:** AI and ML are being employed to detect fraudulent activities and authenticate user identities more accurately. These technologies can analyze user behavior patterns and flag anomalies that might indicate identity theft.

## Future Predictions and Projections:

1. **Increased Adoption of Identity-as-a-Service (IDaaS):** As businesses continue to move to the cloud, the adoption of IDaaS for managing and securing user identities is expected to grow.
2. **Regulatory Compliance:** With increasing concerns over data privacy and security, more stringent regulations around identity security and data protection.
3. **Sophistication in Attack Methods:** Attackers are expected to develop more sophisticated methods to circumvent security measures, leading to an ongoing arms race between cybercriminals and security professionals.
4. **Awareness and Training:** There is a growing emphasis on user training and awareness programs to prevent identity theft and fraud. Educating users about safe online practices is a key component of identity security strategies.

It's important to note that cybersecurity is a rapidly evolving field, and new trends and challenges continuously emerge. Staying informed and adopting proactive security measures are crucial for individuals and organizations alike.

1. **Identity Theft Incidents:** Millions of people globally fall victim to identity theft each year. The **U.S. Federal Trade Commission** received **1.4 million**

- reports of identity theft in 2021, double the number from 2019.
2. **Impact on Businesses:** Small businesses are increasingly targeted for identity theft, with the **Ponemon Institute** reporting that **61%** of breach victims in 2020 were small businesses, often due to less secure systems.
  3. **Phishing Attacks:** Phishing remains a leading method of attack for identity theft, with over **80%** of reported security incidents involving phishing.
  4. **Data Breaches Impacting Identity Security:** According to the **Identity Theft Resource Center (ITRC)**, **1,108** data breaches in 2020 exposed personal and sensitive data.
  5. **Financial Losses from Identity Fraud:** **Javelin Strategy & Research** reported that identity fraud scams led to **\$56 billion** in losses in 2020, with about **\$13 billion** tied to traditional identity fraud.
  6. **Credential Stuffing Attacks:** Billions of credentials are exposed yearly through various breaches, fueling credential stuffing attacks. **Akamai** reported observing over **193 billion credential-stuffing attacks** globally in 2020.
  7. **Child Identity Theft:** Child identity theft is a growing concern, with **Carnegie Mellon's CyLab** reporting that children are over **50 times** more likely to be victims of identity theft compared to adults.
  8. **Increase in Mobile Identity Theft:** With the increasing use of mobile devices, mobile identity theft is on the rise. **McAfee** reported a significant increase in mobile malware attacks, many aimed at stealing personal identity information.
  9. **Synthetic Identity Fraud:** According to the **Federal Reserve**, this is one of the fastest-growing types of financial crime in the United States.
  10. **Social Media as a Vector:** The use of social media information in identity theft is increasing. According to a survey, around **21%** of people have shared their birthdate, and over **18%**



have shared their phone number on social media, increasing their vulnerability to identity theft.

These statistics highlight the evolving challenges in identity security and underscore the importance of robust cybersecurity practices for both individuals and organizations. Regular updates, awareness training, and adopting advanced security measures are critical in combating identity theft and related breaches.

### Cyberus Systems' ZTSaaS Impact on Security Posture

1. **User/Identity Inventory and RBAC (Role-Based Access Control):** A meticulous inventory of user identities allows for granular access control based on roles, enhancing security by ensuring that users only access the resources necessary for their roles.
2. **Administration Account Elevation:** Privileged accounts are protected with stringent access controls, requiring additional verification steps before granting elevated access, thereby reducing the risk of unauthorized use of administrative privileges.

### Cyberus Systems ZTSaaS: Aligning with Maturity Models

*“Be proactive, not reactive, in cybersecurity. Choose Cyberus Systems ZTSaaS for advanced visibility and monitoring in your journey to Zero Trust. Take the Next Step in Identity Security with Cyberus Systems' ZTSaaS”*

Leveraging the CISA Zero Trust Maturity Model, our ZTSaaS services are categorized into Traditional, Advanced, and Optimal solutions, ensuring that every organization can find the right level of security to meet their needs:

#### **Traditional:**

- **Multi-Factor Authentication (MFA) & 2FA with Verified Push:**

The baseline for secure access, providing a significant enhancement over simple password protection.

- **Single Sign-On (SSO):** Simplifies the user experience while maintaining high-security standards.
- **Trusted Endpoints Verification:** Ensures that only devices that pass security protocols can access the network.

#### **Advanced:**

- **Risk-Based Authentication:** Adapts the authentication process based on the access request context, providing a dynamic security response.
- **Device Health Checks:** Keep endpoints secure with continuous monitoring and compliance enforcement.
- **Adaptive Access Policies:** Updates access controls in real-time based on evolving security data and threat intelligence.
- **Machine-Learning Driven Threat Detection:** Utilizes AI to predict and prevent threats before they happen.

#### **Optimal:**

- **Passwordless Authentication:** Utilizes biometrics and security keys to eliminate password vulnerabilities.
- **User Behavior Analysis:** Leverages machine intelligence to provide deep insights into potential security threats based on user activity.
- **Secure Password Management - Password Vault:** Protects and manages credentials with advanced encryption.

### By Choosing Cyberus Systems' ZTSaaS, you benefit from:

*“Partner with Cyberus Systems and build your Zero Trust framework on the bedrock of verified identity. Trust starts here – let's build a secure future together.”*



Visit <https://cyberusystems.com/aspirin> for a Pain-Free Zero Trust Security (ZTS) Assessment

- **Regulatory and Standard Compliance:** Our services align with GDPR, HIPAA, PCI DSS, FISMA, and more, ensuring you meet and exceed regulatory compliance.
- **Comprehensive Identity Protection:** We go beyond MFA, providing a layered approach to identity security encompassing user behavior, device integrity, and adaptive access controls.
- **Technological Sophistication:** With Push Verification, FIDO2 support, and passwordless options, we're at the forefront of identity verification technology.
- **Proactive Threat Mitigation:** Our approach is preemptive, leveraging advanced analytics and AI to stay ahead of threats.
- **Identity Breaches:** Stolen or weak passwords are behind 81% of hacking-related breaches.
- **MFA Efficacy:** MFA blocks 99.9% of identity-based attacks, showcasing the importance of robust authentication methods.
- **Cost of Identity Theft:** A single theft incident can cost an organization significantly financially and damage its reputation.

Cyberus Systems' ZTSaaS provides an identity security solution that transcends traditional MFA, offering a comprehensive, sophisticated, and proactive approach to protect your organization's critical systems. With our ZTSaaS, every identity is not just verified; it's fortified within a security infrastructure designed to evolve with threats and industry standards. Secure every identity and secure your future — that's the promise of Cyberus Systems' ZTSaaS.

## Initiate Your Zero Trust Security Transformation



Are you ready to reinforce your organization's digital defense? It's time to act. Cyberus Systems invites you to elevate your cybersecurity posture with our state-of-the-art Zero Trust Security as a Service.

Step beyond the limitations of traditional defense in depth and safeguard your enterprise with our holistic, Zero Trust approach.

Embrace a future where every identity is meticulously validated, every access is scrutinized, and every user interaction is an opportunity to fortify your security.

Unlock the full potential of cutting-edge identity protection. Begin your journey with a comprehensive Zero Trust Security Assessment from Cyberus Systems. Our expert team guides you through a detailed evaluation of your security measures, identifies potential vulnerabilities, and provides tailored recommendations to enhance your defenses.

## Cyberus Systems Zero Trust Security Assessment Today

Contact us to schedule your Zero Trust Security Assessment: <https://cyberusystems.com/aspirin>. Let us demonstrate how our ZTSaaS solutions can align with your unique needs, ensuring compliance with the most stringent regulatory



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and industry standards. Choose Cyberus Systems and commit to advanced, proactive security.

***Your Next Steps:***

1. ***Please schedule a Consultation:***  
Reach out to our team and schedule a time to discuss your organization's security needs.
2. ***Zero Trust Security Assessment:***  
Allow us to conduct a thorough assessment and tailor a strategy that fits your organization's profile.
3. ***Customize Your ZTSaaS Plan:***  
Based on the assessment, we'll help you choose the mix of Traditional and Optimal services that align with your security maturity and business objectives.
4. ***Implement and Thrive:*** With our ongoing support, watch your organization's security transform, building resilience against tomorrow's threats.

Your organization's identity security is paramount. Let Cyberus Systems be your ally in building a zero-trust environment where every identity is a bastion of defense.

*“Secure your future with  
Cyberus Systems — where  
trust is earned, and security  
is absolute.*

*Contact Cyberus Systems  
now and embark on a more  
secure tomorrow.”*

*Provided as an Educational Service*

*By:*

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