Excalibur

Democratising Privileged Access Management

Phones brought the internet to everyone.
Excalibur brings PAM to everyone through them.

About Excalibur

We are an **EU-based** R&D-first **cybersecurity company that delivers** intuitive and affordable yet **powerful authentication and access management** solutions, **eliminating** potential attack vectors based on **stolen credentials and insider threats** by preemptive system design and **enhancing** incident response and reporting capabilities.

Secure by Default

Security is what we do; security is what we provide and thus it is embedded into the core design of our solutions. We ensure that **our products are inherently secure**, providing a strong foundation for our clients **to protect their most sensitive data without added complexity**.

Passwordless MFA & PAM

Our **phone-centric and passwordless solution** integrates Multi-Factor Authentication and Privileged Access Management, where each action is cryptographically tied to the user's authenticated identity, **ensuring non-repudiation**, increasing trustworthiness and delivering continuous and comprehensive security.

Zero Trust Streamed Access

Excalibur's unique architecture **streams access to the user through a secure tunnel**, virtually impossible to breach. The **user doesn't interact with the protected resource**; they produce clicks and keypresses in a session that is streamed to them, preventing the exploitation of protocol vulnerabilities and isolating the environment from external actors.

Simplicity & User Experience

Traditional PAM solutions are difficult and costly to implement and maintain. In our aim to democratize Privileged Access Management, we have put **ease of use, simplicity and affordability** at the center of our solutions, enabling users to access resources in a few clicks and facilitating the work of administrators and security teams.

Key Benefits

- Passwordless MFA & PAM
- 100 % Channel Sales Focused
- Regulations & Compliance
- Simplicity & User Experience

We Simplify Cybersecurity with Seamlessly Integrated, Passwordless PAM & MFA

Our Solution

Excalibur revolutionizes authentication by abstracting passwords from the users. Instead they are seamlessly transitioned to a **passwordless smartphone-centric multi-factor authentication** - across all existing legacy password-protected systems. Users simply interact with their smartphones, using **biometrics**, **geolocation**, **device proximity**, **peer verification**, and **PIN codes**, without needing to remember any credentials. This not only **reduces the risk** of social engineering and phishing but also ensures **no credentials can be stolen and misused**.

Excalibur's method of pairing each phone with its owner and using this information for **PAM authentication ensures accurate monitoring of access and activities** across systems, regardless of the user's location or the remote machine used. This is a critical advantage over systems that rely on third-party management of identity access or anonymous factors like passwords or cryptographic keys. This setup not only **secures access but also provides a detailed log** of who accessed what systems from which location, **enhancing security and accountability** in environments where precise identity verification is essential.
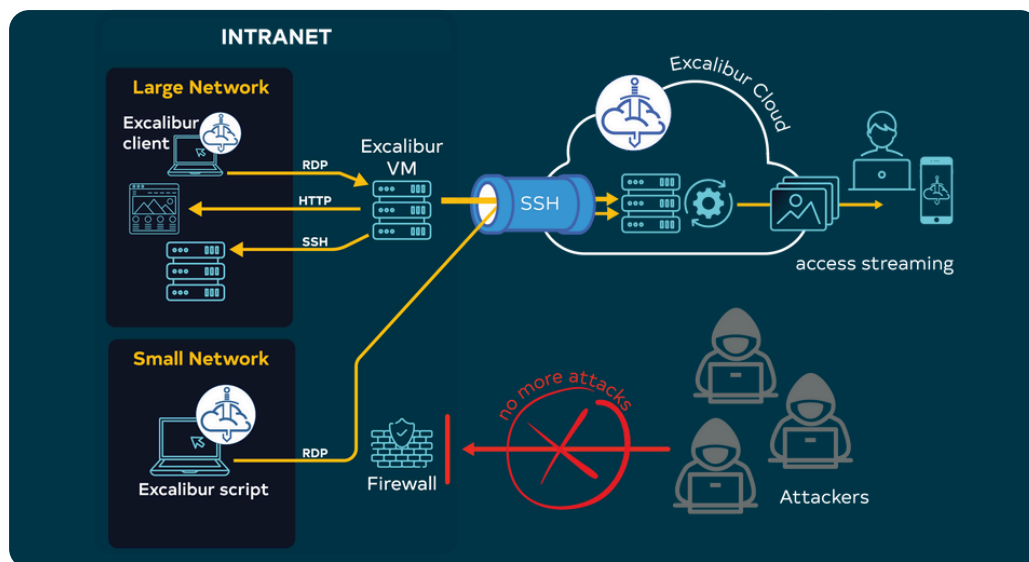
Excalibur enhances security by ensuring that **every action within its system is cryptographically signed and every session is automatically recorded.** This by default recording creates a cryptographically signed proof detailing every action performed by users, whether they are managers, admins or ordinary users. It includes the specific policies that permitted these actions, the factors verified during authentication, and the full context of the session —**where, why, and how the actions were carried out.**

Moreover, Excalibur's transparent **audit trail is continuously visible to users via the Excalibur dashboard.** Whenever users access resources protected by Excalibur PAM, they can see all their actions and session recordings. This visibility **reinforces the accountability of all actions performed,** acting as a psychological deterrent by reminding users of the **total auditability** of their activities. This setup not only **secures the system** but also cultivates a **culture of responsibility and caution** among all users.

What Customers Need

IAM, MFA & Zero Trust are the most important priorities for CISOs.

"Our mission is simplifying security by replacing VPNs and direct exposure with Streamed Access Management (SAM)—combining PAM, MFA, and secure browser-based access streaming to eliminate exploitable vulnerabilities. SAM enables MSPs to deliver enterprise-grade security affordably to SMEs, disrupting traditional cost and complexity barriers."

Ivan Klimek, CEO Excalibur

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