1Kosmos Remote Authentication

Secure remote authentication delivered through identity-based access controls.

Today's users require anywhere, anytime access to resources. This shift prompted organizations to hastily implement VPNs and multi-factor authentication (MFA) solutions. Yet, these measures fall short of security expectations. The transition to remote work exposed the need for a more robust and secure approach to remote access, encompassing both employee access to applications and data, as well as remote desktop capabilities from any location.

The 1Kosmos Advantage

1Kosmos replaces conventional usernames, passwords, and one-time codes with biometric authentication, effectively removing the risk of password-based attacks.

By implementing identity-based passwordless authentication, 1Kosmos ensures that only authorized employees can access systems, data, and applications, regardless of their location. This identity-centric method not only enhances security for remote employees but also aligns with the need for a more robust and secure approach to remote desktop (RDP) and virtual machine access.

By leveraging biometrics and identity verification, 1Kosmos provides a high-assurance solution that addresses the growing demand for secure anywhere, anytime access to resources in today's distributed work environment.

1Kosmos provides verified identity and passwordless MFA (Multi-Factor Authentication) by default for every login and organizations can easily integrate these capabilities with any platform reducing the number of authenticators across the enterprise.

Organizations can leverage 1Kosmos' identity verification and passwordless authentication technologies to deploy a convenient MFA process, including biometric authentication.

The result helps organizations establish trusted relationships and enable secure, seamless access to resources no matter the location or device.

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Authentication Methods
Users can authenticate via any identification method, including LiveID, device biometrics, FIDO2, FIDO Passkeys, push notifications, email/SMS/Token, hardware tokens, Windows Hello, and Mac Touch ID.

Remote Access
By eliminating usernames, passwords, and one-time codes, 1Kosmos removes the risk of password-based attacks and provides high assurance of the user authentication request. This approach provides a convenient and user-friendly alternative to password-based remote access methods.

Remote Desktop (RDP) and Virtual Machines
1Kosmos extends protection to systems typically left exposed by conventional MFA solutions, like remote desktops and virtual machines, by supporting multiple accounts or personas for tailored access workflows based on risk profile and use case. 1Kosmos is compatible with Windows, MacOS and Linux systems.

Self-Service Identity Verification
Deliver a high level of trust behind every login for specific systems or groups of users by implementing high assurance identity verification suitable to support even the most privileged, mission-critical functions, but without the added layers of antiquated MFA technology.

Compliance Standards
1Kosmos is certified (by the Kantara Initiative) to NIST 800-63-3, plus certified to FIDO2, ISO27001, SOC II Type 2 and ISO/IEC 30107-3 standards which are contemporary technical standards designed to ensure security and interoperability for biometric authentication and passwordless access.

Password Reset and Account Recovery
Empower users to reset their password or recover an account with an integrated solution for secure password resets and account recovery utilizing their verified identity biometric. The 1Kosmos approach reduces IT burden, minimizes user disruption, and ensures the legitimacy of the request while maintaining strong security standards.

1Kosmos Features & Benefits

User Experience: Improve authentication journeys, eliminate security gaps and reduce risk when authenticating users.

Authentication Orchestration: Manage through a centralized hub, ensuring a consistent administrative experience.

Enhance Security: Phishing resistant MFA eliminates the risk of account takeover while providing a consistent user experience.

Event Logging: An immutable audit trail of all events enables visibility to all logins and access attempts.

Compatibility: 50 out-of-the-box integrations and a robust API and SDK framework enables quick integration into common technologies, including Windows, MacOS, Linux, Azure, Ping, Okta, O365, and more.

Trust on First Use: Eliminate passwords completely from desktop, remote desktop login, and virtual machine authentication use cases.

About 1Kosmos
1Kosmos enables remote identity verification and passwordless multi-factor authentication for workers, customers and residents to securely transact with digital services. By unifying identity proofing, credential verification and strong authentication, the 1Kosmos platform prevents identity impersonation, account takeover and fraud while delivering frictionless user experiences and preserving the privacy of users' personal information. 1Kosmos performs millions of authentications daily for government agencies and some of the largest banks, telecommunications, higher education, and healthcare organizations in the world.

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