Securing Single Sign-On

Keep the convenience of SSO, eliminate identity compromises and data breaches

Single Sign On (SSO) platforms like Okta are still a must in an enterprise infrastructure stack. Originally designed to reduce the number of usernames and passwords users needed, this one-to-many approach improved the user experience and reduced the overall exposure passwords introduced. MFA was introduced to authenticate a valid user to combat account compromise, there are gaps in this approach. While SSO simplifies access across multiple applications, its coverage is limited and requires organizations to look for additional authentication technologies.

The 1Kosmos Advantage

The interoperability available in the 1Kosmos platform through an SDK / API ensures quick integration with other systems and customer applications. Our identity-based authentication differentiates us, which ties a proofed and verified identity to the access request. This means that the user's biometric is the authentication method. By implementing 1Kosmos, users will log in to their SSO platform, even services outside of the SSO environment, like - desktops, PAM services even, domain controllers and virtual machines, with a consistent experience, including passwordless authentication.

1Kosmos seamlessly integrates with any existing SSO deployment—allowing organizations to retain their SSO investment. It addresses key areas where security can be enhanced, helping organizations strengthen their security posture and advance toward a Zero Trust architecture.

Key Use Cases:
1. Completely passwordless SSO login experience.
2. Support for platforms not covered by the SSO platform – desktops VPN, PAM, etc.
3. Deploy password reset for applications where you cannot eliminate passwords.
4. Manage security for contractors with devices that might not meet corporate requirements.
5. Secure access to domain controllers and virtual machines.
6. Automate identity verification and proofing for new employees, contractors, customers and citizens.

> 1Kosmos can easily coexist alongside a Single Sign-On investment, filling in the security gaps SSO can introduce.

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Identity Verification
1Kosmos platform digitally transforms user onboarding with convenient self-service identity verification meeting NIST 800-633 assurance level 2 (IAL2). This ID+Selfie workflow binds the user's verification to their account to prove identity at each access request.

One Common Experience
The 1Kosmos platform gets rid of passwords and plugs security loopholes in authentication while reducing SMS and additional licensing costs attributed to multiple authentication platforms. At the same time, delivering a modern, frictionless MFA experience.

Platform Coverage
For the technologies that fall outside of the SSO coverage, the 1Kosmos platform has over 50 out-of-the-box integrations and a robust API framework enabling quick and easy integration into common technologies through to legacy and home-grown applications. Configuration and management are managed through the administration portal.

Third-Party Contractors
Close the security gap contractors can inject since managing a contractor's system configuration can be difficult. By implementing 1Kosmos, a contractor will verify their identity and log in to critical applications without a password from day one.

Zero Trust
The 1Kosmos platform's zero trust authentication starts with an indisputable identity proofing process ensuring that every access attempt is tied to a trusted and verified identity. The result is a secure access infrastructure that is based on verified and proven identities tied to the user's biometrics.

Password Reset
Users can reset their password through the 1Kosmos app for applications where you cannot eliminate passwords.

1Kosmos Features & Benefits

MFA at the Edge: Provide passwordless access devices at the edge - macOS, Linux, Unix and Windows desktops.

Virtual and Higher Privilege Environments: Implement passwordless access to domain controllers, virtual desktops, and virtual machines.

Legacy Technology: Provide interoperability with legacy/internally built technologies.

Integration with SSO Providers Off-the-shelf connectors and API's enable quick and easy deployment into platforms like Okta, Entra ID, Ping, and ForgeRock.

Reasons to Consider

- Certified to FIDO2 and NIST 800-63-3

- Certified iBeta DEA EPCS and ISO/IEC 30107-3

- Compliant to GDPR, KYC / AML standards

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.