2FA/eSSO

Recognizing the increasing need for reliable identification and uncompromised authentication, Precision has developed InnaIT, a comprehensive Identity Provider solution, comprising of software modules & hardware or software tokens, that can suit all common usage scenarios across industry segments.

The modular design of the InnaIT framework provides flexibility – the organization may choose the specific modules that are needed and expand as the user base or security needs change.

WHAT IS **2FA & eSSO**

2FA – Two Factor Authentication
An Identity and Access Management (IAM) Security method that requires two forms of identification to access resources and data. Most commonly a password followed by an OTP entry is used.
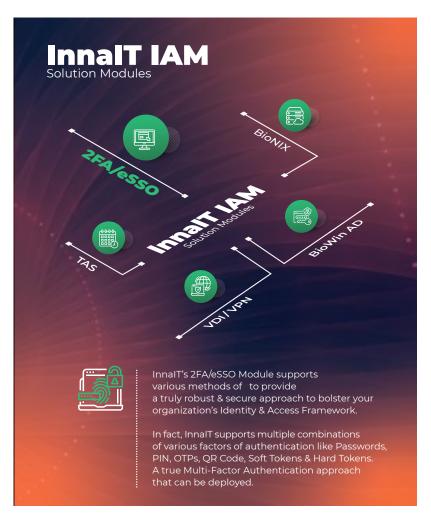
eSSO – Enterprise Single Sign On
Also, an IAM method of secure access prioritizing user convenience. eSSO Solutions allow users to authenticate only once for the duration of their session, regardless of the number of applications that require authentication.

2FA can be implemented onto eSSO Solutions for a robust authentication approach

SIGNIFICANCE OF **2FA**

2FA forms the core of a zero-trust security model, safeguarding sensitive data by verifying users' true identities. This approach effectively counters various threats like phishing, brute-force attacks etc. which target passwords and accounts. Employing a second factor, like Biometric, OTP etc. prevents interception by remote attackers infiltrating the primary network. This segregation is crucial, as it thwarts attempts to imitate you and gain unauthorized entry to networks, cloud storage, financial data. Integrating 2FA into your applications ensures that attackers can't breach your accounts without possessing your physical second-factor device.

InnaIT IAM
Solution Modules

2FA/eSSO

BioNIX

InnaIT IAM Solution Modules

TAS

BioWin AD

VDI / VPN

InnaIT's 2FA/eSSO Module supports various methods of   to provide a truly robust & secure approach to bolster your organization's Identity & Access Framework.

In fact, InnaIT supports multiple combinations of various factors of authentication like Passwords, PIN, OTPs, QR Code, Soft Tokens & Hard Tokens. A true Multi-Factor Authentication approach that can be deployed.

WHY **InnaIT 2FA/eSSO**

InnaITKey Hard Token is the perfect combination to complete a 2FA Authentication Approach. A blend of PKI & Biometrics provides unparalleled authentication security

In an event where a Hard Token is not functioning or not available, an alternative authentication approach can be established for a temporary period

A Soft Token App which offers Native Biometric validation, TOTP & QR Code based verification is an option to choose from. Every verification is coupled with PKI based authentication which is unique to InnaIT Solution

Out-of-Band Channel Communication allows the user to be invisible to any possible attacks or attacker

Eliminate several cyber threat attacks like Credential compromise, Phishing, Man-in-the-middle attacks, Brute Force attacks, Keylogging etc

NOTABLE FEATURES OF **InnaIT 2FA/eSSO**

Reduce reliance on only Passwords and adopt a second / multi factor of authentication

Out-of-band communication safeguards the User Identity since an attacker will not be aware of multiple bands of communication

FIDO, OpenID Connect, SAML, APIs enabled integrations for Web Applications.

Rest APIs and Browser Plugins based integration for Standalone or Web Based Native Application respectively

Token IDs will be regenerated for every transaction including timed out sessions.

2FA can be enabled for transaction signing of any kind as well. JWTs of every sign are logged for audit

InnaITKey can function without the need to install a driver for web applications in browsers with HID support.

User Friendly dashboard for eSSO Applications

Passwords, OTPs, PIN, QR Code, Hard Token (Match-on-Host, Match-in-Sensor) & Soft Token

Role-based Application Access (Restricted viewing of only assigned applications for each role)

User information can be synced with Active Directory

2FA/eSSO is part of the larger InnaIT Framework. You can combine other modules of InnaIT for implementation across the organisation, without having to use a different platform. This allows you to future-proof your organisation's IAM needs.