

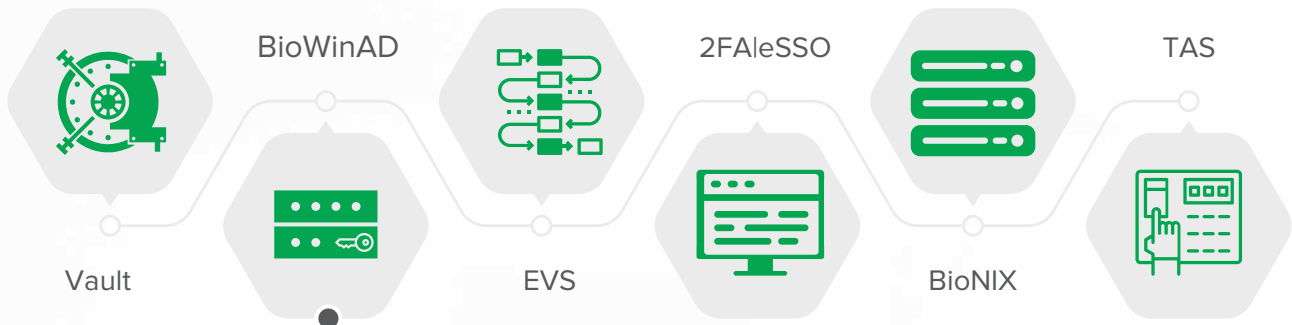


BioWinAD

Biometric authentication for Windows Active Directory login. Supports VPN and VD



InnaIT Framework



BioWinAD

Precision's BioWinAD module uses Biometric Authentication combining Fingerprints and PKI to verify the identity of the Users, for securely logging into their respective systems either from office or remotely. The module supports both a hard token and phone based soft token validation for authentication.

BioWinAD is a module in the InnaIT Framework. Recognizing the increasing need for reliable identification and uncompromised authentication, Precision has developed a comprehensive solution suite called 'InnaIT' comprising of biometric hardware and software modules 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 grows.

Why is Secure Authentication for Active Directory (AD) so important

AD Authentication security is super important for a business because it controls who can access everything in the organization's systems. Effective Active Directory authentication helps protect your employees' credentials, applications and confidential data from unauthorized access. It's important to have strong security to prevent malicious users from breaching your network and causing damage.

Threats of a Password

COMMON PASSWORD

Users tend to have the same or similar passwords for all accounts

PASSWORD HACKING

Threat agents use several organized methods to figure out passwords easily

PASSWORD SHARING

Sharing passwords among users to expedite tasks is a cause of concern

Most common threat entry into an organization is Credential Compromise ”

Identity Fraud is a large & growing issue!

57%

Organisations suffered a successful phishing attack in 2020 (RiskBased Security)

42%

Organisations breached as a result of a user password compromise (MobileIron)

45

Verified accounts that tweeted in Bitcoin scam after social engineering attack on Twitter

18 Million

COVID-19 themed malware & phishing emails blocked per day by Google

97%

Executives who say their digital transformation plans have sped up due to COVID-19 (Trulioo) by Google

238%

Increase in cyberattacks against financial services between Feb & Apr 2020 (VMWare)

300x

of times more likely the financial services sector is to be hit by a cyberattack (BCG)

\$18.5 Million

Average cost of cyberattack in financial services, higher than any other vertical (Accenture)

Hacking Methods



PHISHING

Fraud links to click and provide personal information



MAN-IN-THE- MIDDLE ATTACK

Hacker presence between two systems' data exchange



BRUTE FORCE ATTACK

Automated password combination attempts 2.18 trillion tries in 22 seconds



DICTIONARY ATTACK

Hacker dictionary containing the most common passwords with combinations



CREDENTIAL SURFING

Hacked passwords that remain unchanged and can be found online (dark web)



KEYLOGGERS

Malicious software to record keystrokes and report back to source



Significant Features of BioWinAD



PASSWORDLESS

Passwordless Biometric login stops sharing of credentials



ON-PREM & MS AZURE

Support for on-prem Local AD & Microsoft Azure AD



OFFLINE AUTHENTICATION

Offline Authentication for roaming users who might not be connected to AD



MULTIPLE DOMAIN SUPPORT

Supports multiple domain login for a single user



DRIVERLESS

Driverless implementation for Azure AD makes it effortless and time saving for the IT Team



VDI/VPN SUPPORT

VDI/VPN integration possible



STRONG AUDIT LOGS

Non-repudiation and fool proof audit logs for better accountability



AD SERVER INTACT

No need for any modification in the existing AD Server



PHONE-AS-A-TOKEN

Soft Token support available



PASSWORD MANAGEMENT

Password Policy Management & Password Rotation done without any need for user knowledge or intervention



SINGLE DEVICE USAGE

Same Authentication devices used for BioWinAD can be used for other modules as well by the user



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