tbIAM

INTRODUCTION

In today's digital enterprise, managing who has access to what and ensuring it's done securely is more important than ever. With increasing threats, complex user environments, and rising compliance demands, organizations need a smarter way to manage identities.

tbIAM by TechBridge offers a unified, intelligent approach to Identity and Access Management. It helps organizations strengthen security, reduce risk, and streamline user access, all while delivering a seamless experience across cloud, on-premise, and hybrid environments.

tbIAM FEATURES

Authentication Features

Single Sign-On (SSO):
Users log in once and gain access to multiple applications without needing to log in again.

Social Login Integration:
Supports authentication via Google, Facebook, Twitter, GitHub, LinkedIn, and other social platforms.

Multi-Factor Authentication (MFA):
Enhances security using OTP, TOTP, WebAuthn (FIDO2), and more.

Password-less Authentication:
Uses WebAuthn for biometric login methods like fingerprint and face recognition.

LDAP & Active Directory Integration:
Seamless synchronization of users and groups from LDAP or AD directories.

Kerberos Authentication:
Allows Single Sign-On using Windows Integrated Authentication in enterprise networks.

Authorization Features

Role-Based Access Control (RBAC):
Define and assign roles to users and groups at realm, client, or application level.

Attribute-Based Access Control (ABAC):
Use policies based on user attributes, resource types, or contextual factors.

Identity Provider (IdP) Capabilities

Acts as an Identity Provider:
Fully supports SAML 2.0 and OpenID Connect (OIDC) standards.

Identity Brokering:
Connect external identity providers like Azure AD, Okta, etc.

Federation Support:
Federate user data from LDAP, Kerberos, or other external directories.

Client Support

Support for Web, and Desktop Apps:
SDKs and integrations for JavaScript, React, Angular, Android.

OIDC and SAML Clients:
Easily register and configure client applications using Admin Console or API.

TechBridge
Making the World Smarter

Admin & Developer Features

Admin Console (UI):
Intuitive UI for managing realms, users, groups, clients, and roles.

Admin REST API:
Automate and integrate all functionalities using comprehensive APIs.

Event Logging & Auditing:
Track authentication events, user activities, and admin actions.

Customization:
Customize login pages, email templates, registration flows, etc.

Extensible SPI (Service Provider Interfaces):
Extend tbIAM with custom providers for login flows, email sending, and more.

Multi-Tenancy & Internationalization

Realm-based Multi-tenancy:
Each realm functions as an isolated tenant with its own users, roles, and configurations.

Deployment & Scalability

Clustering & High Availability:
Deploy tbIAM in clustered mode with distributed caching for performance and reliability.

Docker & Kubernetes Ready:
Official Docker images, Helm charts, and Kubernetes Operators available.

Database Support:
Compatible with PostgreSQL, MySQL/MariaDB, Oracle, Microsoft SQL Server, and H2.

Security Features

Brute Force Detection & Protection:
Lock accounts after multiple failed logins attempts to prevent attacks.

SSL Enforcement:
Force secure HTTPS communication between clients and the server.

Token Management:
Manage access, refresh, and ID token lifetimes and revocation.

Client Credential Rotation:
Automatically rotate and manage secrets for client applications securely

Centralized License Management

Enable license entitlement checks directly through the tbIAM platform

Manage license assignment, revocation, and usage reporting from a centralized dashboard

PII Data Encryption

Encrypt personally identifiable information (PII) both at rest and in transit

Ensure compliance with data protection standards such as GDPR and applicable local privacy laws

Benefits

Centralized Identity Management
Easily manage user identities, roles, and access from a unified platform.

Password-less & MFA Support
Strengthen security with biometric authentication and multiple authentication options.
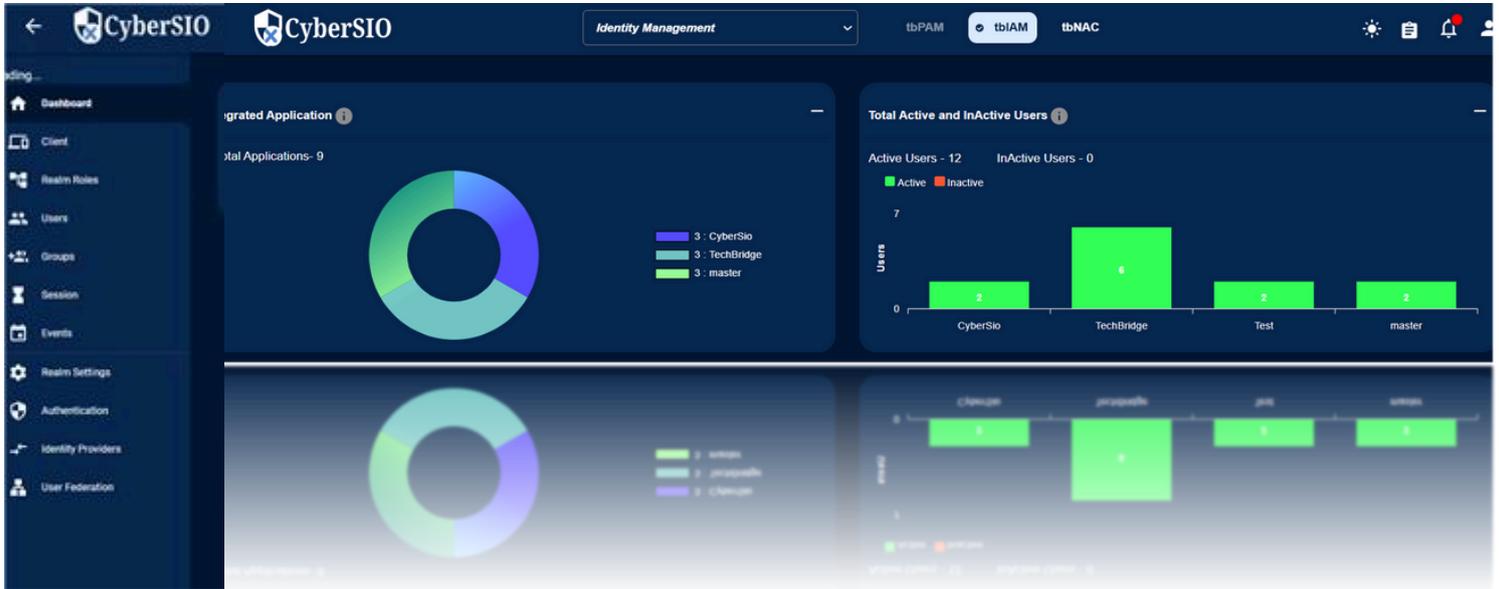
Seamless SSO Experience
Enable Single Sign-On across all enterprise and third-party applications.

Adaptive Authentication
Dynamically adjust authentication based on user behavior and risk profile.

DASHBOARD

ABOUT TECHBRIDGE

TechBridge is the World's leading Product & Solutions Company. Data Center Applications, Collaboration and Real Time Communication. DC Management and Monitoring, Disaster Management, Security, Collaboration and Cloud. Its market-leading Network Modernization, Unified Communications, Mobility and Embedded Communications solutions enable customers to quickly capitalize on growing market segments and introduce differentiating products, applications and services. We are an expert and leader in Government Solutions, Smart City Solutions, Data Centers and Large Enterprises. We do custom applications also, as per the customer requirements.

CERTIFICATES