AccessMatrix™ UAM
common security platform for enterprise applications

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Web Access Management, Federated SSO & Externalized Authorization Management

AccessMatrix™ Universal Access Management (UAM) is a comprehensive web single sign-on (SSO), web access management, federated single sign-on (SSO), social network login, externalized authorization management, and hierarchy-based delegated administration system. Leveraging on the AccessMatrix™ technology, UAM fulfills the most rigorous form of application security by providing secure Administration, Authentication, Authorization, and Audit services (4As) to business applications within your organization. Built on the regulatory requirements and standards in banking & finance sector, UAM enables custom enterprise/ internet applications to access a common set of IAM (Identity & Access Management) services and lowers the integration cost.

Web Access Management/ Web SSO enables SSO for customizable web-based applications that offering the option of tightly integrated web access management approach. Alternatively, Cloud-based applications, especially in distributed locations, can adopt the loosely-coupled federated SSO and it enables SSO based on standards like SAML 2.0 and OpenID Connect.

Suitable for Cloud based/ distributed/ Single Page App (SPA) Applications and microservices using OpenID Connect and JSON Web Token (JWT) that support for Microservices and API Gateway authentication.
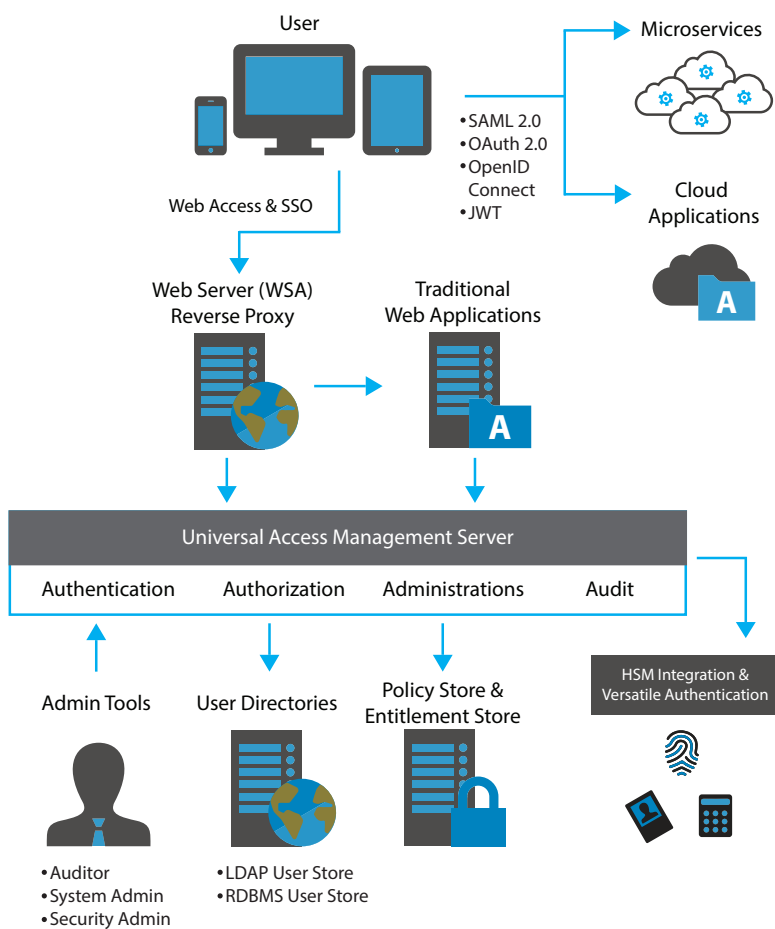
Key Benefits:

- Ease up integration and deployment efforts with native integration with existing LDAP, AD and JDBC directories, (i.e. no schema changes or no information written to the external user stores)
- Provide a highly scalable, open and reliable platform to support demanding operational requirements such as automatic failover, horizontal & vertical scaling and 24x7 operations
- Provide security management and enforcement of 4As, including authentication policies, authentication methods, user stores and administration delegation, as well as audit compliance reporting
- Lower integration and operational costs with a common set of IAM services for custom enterprise and internet applications to access

With use of Web Security Agents (WSA) to intercept web requests, UAM provide URL based access control and Session Management for web applications.

For simpler integration with externalized authentication, it allows external authentication/sign-on, registration, identity mapping to existing user, and on-the-fly identity provisioning. UAM supports Facebook, Google, LINE, WeChat, Singapore Singpass, SAML, and OIDC.

It increases productivity and reduces cost by relieving the business application developers from having to learn, design and implement complex security / audit/ regulatory requirements.

With our patented Segmented Hierarchy-Based Security Administration and Authorization Framework, UAM has been proven to be well suited to address administration requirements for multi-region/ department applications, B2C/ B2B banking applications and SaaS Providers.

Features:

- Embedded Strong Authentication, Web SSO, Federated SSO and Enterprise SSO on the same backend
- Extensible Pluggable Authentication Modules support strong authentication requirements using SMS, hardware and software tokens
- Flexible and open APIs are provided for ease of integration and code re-use for security 4As services
- Support SAML, OAuth and OpenID Connect
- Singapore SGFindex support for Financial Information Service Provider (FISP)
- Tamper-evident Audit Trail
- Scalable

System Requirements:

- Server OS: MS Windows 2019 and 2022, Red Hat Enterprise Linux 9.0
- Java Runtime: JRE 17 LTS
- Database for Policy Store: MS SQL Server, Oracle RDBMS and Oracle MySQL
- External User Store: Active Directory, LDAP v3 compliant directories and JDBC compatible databases
- FIPS Certified HSM

Diagram: User — Web Access & SSO — SAML 2.0, OAuth 2.0, OpenID Connect, JWT — Microservices, Cloud Applications — Web Server (WSA) Reverse Proxy — Traditional Web Applications — Universal Access Management Server (Authentication, Authorization, Administrations, Audit) — Admin Tools (Auditor, System Admin, Security Admin), User Directories (LDAP User Store, RDBMS User Store), Policy Store & Entitlement Store, HSM Integration & Versatile Authentication

For a complete list of our offices in China, Hong Kong, Japan, Malaysia, Thailand & United States, please visit www.i-sprint.com/contactus

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