AccessMatrix™ UAS
future proof universal authentication server

Future-Proof Versatile Multi-Factor Authentication Platform

AccessMatrix™ Universal Authentication Server (UAS) is a versatile authentication server which enables organizations to unify their different authentication mechanisms and simplify integration complexities.

UAS supports a wide range of authentication methods using a Pluggable Authentication Module (PAM) approach and new ones can be easily added to cater for evolving authentication mechanisms.

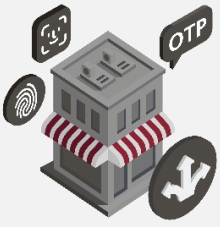
Organizations can also use the authentication workflow to chain two or more authentication methods for strong authentication and authorization requirements. The out-of-the-box end-to-end token & biometrics life cycle management module greatly streamlines the administration and reduces time-to-market.

With our patented Segmented Hierarchy-Based Security Administration and Authorization Framework, UAS allows organizations to designate security administrators at different levels of the organization. The framework can be extended to allow external organizations to manage IDs and user rights by their own security administrators. This feature has been proven to be well suited to address administration requirements for Management Security Providers or SaaS Providers.

Key Features

Versatile Authentication Solution – Unifies Methods, Simplifies Integration Complexity

Complete Token Life Cycle Management & Administration



Embedded Vendor-Agnostic Authentication
Support for OTP, PKI, and Biometrics

Comprehensive Support for Mobile Device-Based Authentication
Including OATH Tokens, FIDO2, DID, and PKI

Future-Proof Solution Eases Integration of New Authentication Methods

Extensible to SSO on the Same Platform With Standard Protocols
Including OIDC, SAML and more

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Out-of-Band Authentication

Password Authentication

Biometric Authentication

OTP Token (Hard / Soft Token)

Contextual Authentication

Knowledge Based Authentication

FIDO2 Certified

External Authentication Integration & PIN-less Authentication / Zero-Login

Available Modules

UAS End-to-End Encryption Module
For mutual authentication between clients and servers, and protecting data in transit.

UAS Hardware OTP and Token Authentication and Token Life Cycle Management

UAS Biometric Authentication and Life Cycle Management Module

UAS 2FA for Enterprise Module (E2FA)

UAS SDK for Application Integration

UAS HSM Integration Modules
HSM Key Manager for secure credential storage
OTP and Password Verification inside HSM

System Requirements

Server OS:
Windows Server 2022 (Version 21H2), Red Hat Enterprise Linux Server 8/9

Java Runtime:
JRE 17/21 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:
Proven integration with all leading HSM vendors, including nCipher, Thales, Utimaco, and more

Token Vendor Specific SDKs:
OneSpan (Vasco), Thales

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