



## AccessMatrix Supported Platforms - 5.7.4-GA

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# Supported Platforms for AccessMatrix 5.7.4-GA

This page lists the supported environments for running AccessMatrix products as of AccessMatrix 5.7.4-GA.

## Changes in Release 5.7.4-GA

- **Removed**
  - Internet Explorer, as it has reached the end of mainstream support as of June 15 2022
- **Updated**
  - Red Hat Enterprise Linux Server 8.x to 9.x
  - Added Oracle 21c
  - Apache Tomcat from 9.0.65 to 9.0.72
  - Red Hat JBoss Web Server (JWS) from 5.6 to 5.7
  - Kubernetes:
    - Azure - from 1.22 to 1.24
    - AWS - from 1.17 to 1.25
  - YesSafe Token+:
    - iOS - from 1.1.3 to 1.1.4
    - Android - from 1.1.4 to 1.1.5
  - Red Hat Enterprise Linux (RHEL) from 8.5 to 9.1 for Web Security Agent (WSA)
  - USO Trainer and USO Client from 5.6.2.0016-GA-E14 to 5.6.2.0017-GA-E15

## AccessMatrix Common Framework

### Operating System

| Operating System | Version                             |
|------------------|-------------------------------------|
| Windows Server   | Windows Server 2019                 |
|                  | Windows Server 2022                 |
| Linux            | Red Hat Enterprise Linux Server 9.x |

### Database Engine

| Database Name        | Version                   |
|----------------------|---------------------------|
| MySQL                | MySQL 8.0.32              |
| Microsoft SQL Server | Microsoft SQL Server 2019 |
| Oracle               | Oracle 19c                |
|                      | Oracle 21c                |
| Dameng               | Dameng 8                  |

### Web Application Server and Java Development Kit (JDK) / Java Runtime Environment (JRE)

| Web/Application Server | Version  | Supported JRE/JDK Version                           |
|------------------------|--|---|
| Apache Tomcat          | Apache Tomcat 9.0<br>(bundled version: Apache Tomcat 9.0.72.0) | Eclipse Temurin 11 (formerly known as AdoptOpenJDK) |
|                        |  | Eclipse Temurin 17 (formerly known as AdoptOpenJDK) |
|                        |  | Oracle Java SE 11                                   |
|                        |  | Oracle Java SE 17                                   |
| JBoss Web Server       | JBoss Web Server 5.7   | Oracle Java SE 11                                   |
|                        |  | Oracle Java SE 17                                   |
|                        |  | Red Hat OpenJDK 17                                  |

### Container Orchestration

| Platform        | Provider                  |
|-----------------|---------------------------|
| Kubernetes 1.24 | Microsoft Azure           |
| Kubernetes 1.25 | Amazon Web Services (AWS) |

### Web Browser for Admin Console

| Web Browser   | Version             |
|---------------|---------------------|
| Google Chrome | Google Chrome 112.x |

|                |                                 |
|----------------|---------------------------------|
| Microsoft Edge | Microsoft Edge (Chromium) 112.x |
|----------------|---------------------------------|

**CLP Windows Integrated Authentication**

(Required for UAS Mobile Token Activation Portal, USO SSO Portal, USO SSF and SAML)

| Web Server | Version                               |
|------------|---------------------------------------|
| IIS        | IIS 10 (Windows Server 2022 Standard) |

**HSM For Key Management**

| Key Provider                | HSM Device  |
|-----------------------------|---|
| PKCS11 Key Provider         | Thales (formerly SafeNet) Luna Network HSM          |
|                             | Thales (formerly SafeNet) ProtectServer Network HSM |
|                             | nShield Connect HSM                                 |
|                             | Utimaco CryptoServer HSM                            |
|                             | AWS Cloud HSM                                       |
|                             | Azure Dedicated HSM                                 |
| SafeNet Jcprov Key Provider | Thales (formerly SafeNet) ProtectServer Network HSM |
| Cloud-based Key Provider    | AWS Key Management Service                          |
|                             | Azure Key Vault                                     |
|                             | Google Cloud HSM                                    |

**AccessMatrix Universal Authentication Server (UAS)****Tokens**

| Token Vendor                 | Token Model  |
|------------------------------|--|
| OneSpan (VASCO)              | DPGo3, DP300, DP270<br><b>Note:</b> These are the tested OneSpan (VASCO) tokens. |
| OneSpan (VASCO) Multi Device | DIGIPASS App, DP4APPS SDK  |
| OATH                         | TOTP, HOTP, OCRA, V-Key, YESsafe and Feitian                                     |
| FIDO                         | FIDO UAF 1.0   |

**Tokens (OTP verification inside HSM)**

| Token Vendor                                   | HSM Device  |
|--|---|
| OneSpan (VASCO) / OneSpan (VASCO) Multi Device | Thales (formerly SafeNet) ProtectServer Network HSM |
|  | nShield Connect HSM                                 |
| OATH   | Thales (formerly SafeNet) ProtectServer Network HSM |
|  | Utimaco CryptoServer HSM                            |

| OneSpan (VASCO) Token Library Version |
|---------------------------------------|
| 3.15.0 and above                      |

**End-to-End Encryption Authentication (E2EEA)**

| Type of E2EEA                                   | Supported HSM  |
|---|--|
| True E2EEA (verification inside HSM)            | Thales (formerly SafeNet) Payment HSM                                      |
|   | Thales (formerly SafeNet) ProtectServer Network HSM with i-Sprint E2EEA FM |
|   | Thales payShield 10K HSM   |
|   | Utimaco SecurityServer HSM with i-Sprint E2EEA FM                          |
| Pseudo E2EEA (verification inside AccessMatrix) | AWS Cloud HSM / AWS Key Management Service                                 |
|   | Azure Key Vault / Azure Dedicated HSM                                      |
|   | Google Cloud HSM   |
|   | nShield Connect HSM  |
|   | Thales (formerly SafeNet) Luna Network HSM                                 |
|   | Thales (formerly SafeNet) ProtectServer Network HSM                        |

**E2EEA Login Modules with PIN Mailer Support**

| Login Module          | Paper PIN Mailer | PDF PIN Mailer | Dual Control |
|-----------------------|------------------|----------------|--------------|
| PseudoE2EEA           | No               | Yes            | No           |
| SafeNet ProtectServer | No               | Yes            | No           |
| Thales payShield      | Yes              | Yes            | No           |
| PHEFT                 | Yes              | Yes            | Yes          |
| Utimaco CryptoServer  | Yes              | Yes            | Yes          |

**Web Browser for Token Activation Portal (TAP)**

| Web Browser    | Version                         |
|----------------|---------------------------------|
| Google Chrome  | Google Chrome 112.x             |
| Microsoft Edge | Microsoft Edge (Chromium) 112.x |

**YESsafe Token+ 4.0**

| Token+ Version | Operating System (OS) | OS Version      |
|----------------|-----------------------|-----------------|
| Token+ 1.1.4   | iOS                   | iOS 14.4.1      |
|                |                       | iOS 15.7        |
| Token+ 1.1.5   | Android               | Android 9       |
|                |                       | Android 10      |
|                |                       | Android 12      |
|                |                       | Android 13      |
|                | Harmony               | HarmonyOS 2.0.0 |
|                |                       | HarmonyOS 3.0.0 |

**AccessMatrix Universal Access Management (UAM)**

**Web Security Agent (WSA)**

| WSA Reverse Proxy Plugin | Version   |
|--------------------------|---|
| Apache HTTP Server       | Apache HTTP Server 2.4 (64 bit) on Red Hat Enterprise Linux 9.1 |

**UAM as SAML IdP/OpenID Provider/OAuth Authorization Server**

| Federated SSO | Profile/Binding  |
|---------------|--|
| SAML          | Web Browser SSO Profile (HTTP Redirect and HTTP POST bindings) |
| OIDC          | Basic Profile (Authorization Code)                             |
|               | Implicit Profile   |
|               | Config Profile   |
| OAuth 2.0     | Implicit   |
|               | Authorization Code   |
|               | Authorization Code with PKCE                                   |
|               | Resource Owner Password Credential                             |
|               | Client Credential  |
|               | Hybrid   |

**UAM as SAML SP/OIDC Relying Party**

| Federated SSO | Profile/Binding  |
|---------------|--|
| SAML          | Web Browser SSO Profile (HTTP Redirect, HTTP POST, and HTTP Artifact bindings) |
| OIDC          | Authorization Code   |
|               | Authorization Code with PKCE   |

**Externalized Authentication**

| Authentication Provider |
|-------------------------|
| Facebook                |
| Google                  |
| LINE                    |
| SingPass Mobile         |
| WeChat                  |

## AccessMatrix Universal Sign-On (USO)

### Web Browser for Single Sign-On (SSO) Portal

| Web Browser    | Version                         |
|----------------|---------------------------------|
| Google Chrome  | Google Chrome 112.x             |
| Microsoft Edge | Microsoft Edge (Chromium) 112.x |

### USO Trainer

| USO Trainer Version |
|---------------------|
| 5.6.2.0017-GA-E15   |

| Operating System    | Version                   |
|---------------------|---------------------------|
| Windows Workstation | Windows 10 (version 22H2) |
|                     | Windows 11 (version 22H2) |

| Web Browser    | Version                         |
|----------------|---------------------------------|
| Google Chrome  | Google Chrome 112.x             |
| Microsoft Edge | Microsoft Edge (Chromium) 112.x |

### USO Client

| USO Client Version |
|--------------------|
| 5.6.2.0017-GA-E15  |

| Operating System    | Version                   |
|---------------------|---------------------------|
| Windows Workstation | Windows 10 (version 22H2) |
|                     | Windows 11 (version 22H2) |

| Web Browser    | Version                         |
|----------------|---------------------------------|
| Google Chrome  | Google Chrome 112.x             |
| Microsoft Edge | Microsoft Edge (Chromium) 112.x |

### Active Directory Password Filter (ADPF)

| Operating System | Version      |
|------------------|--------------|
| Windows Server   | Windows 2022 |