



ImageWare - CyberArk Authentication Integration

Name of Company: ImageWare Systems, Inc.

Website: <https://www.iwsinc.com>

Name of Product: GoVerifyID

Version: 7.5.20

Date: 09/20/2019

IMAGEWARE SOLUTION OVERVIEW

ImageWare Systems, Inc. (IWS) provides a highly accurate, multi-modal user authentication protocol that Service Providers can easily use protect at-risk, secured resources such as privilege access management systems, private websites, personal or financial data. ImageWare's platform consists of three components that support Security Assertion.

Markup Language (SAML) 2.0 capabilities:

- **GoVerifyID**® is a mobile app that captures out-of-band data for user enrollment and verification through an end-user's mobile device
- **GoMobile Interactive**® (**GMI**) is a server interface that rapidly matches an end user's provided biometrics against their enrolled biometric profile
- The IWS **SAML Identity Provider (IdP)** is an industry-standard, SAML 2.0-compliant interface to **GoMobile Interactive** through which CyberArk customers, Service Providers and single sign-on (SSO) vendors can request biometric user authentication and receive SAML success or failure notifications

These components respond to Service Provider requests for end-user authentication, and pass authentication results back to the Service Provider in real time.

KEY BENEFITS

ImageWare provides a complete suite of user authentication solutions that enhances CyberArk's security out-of-the-box.

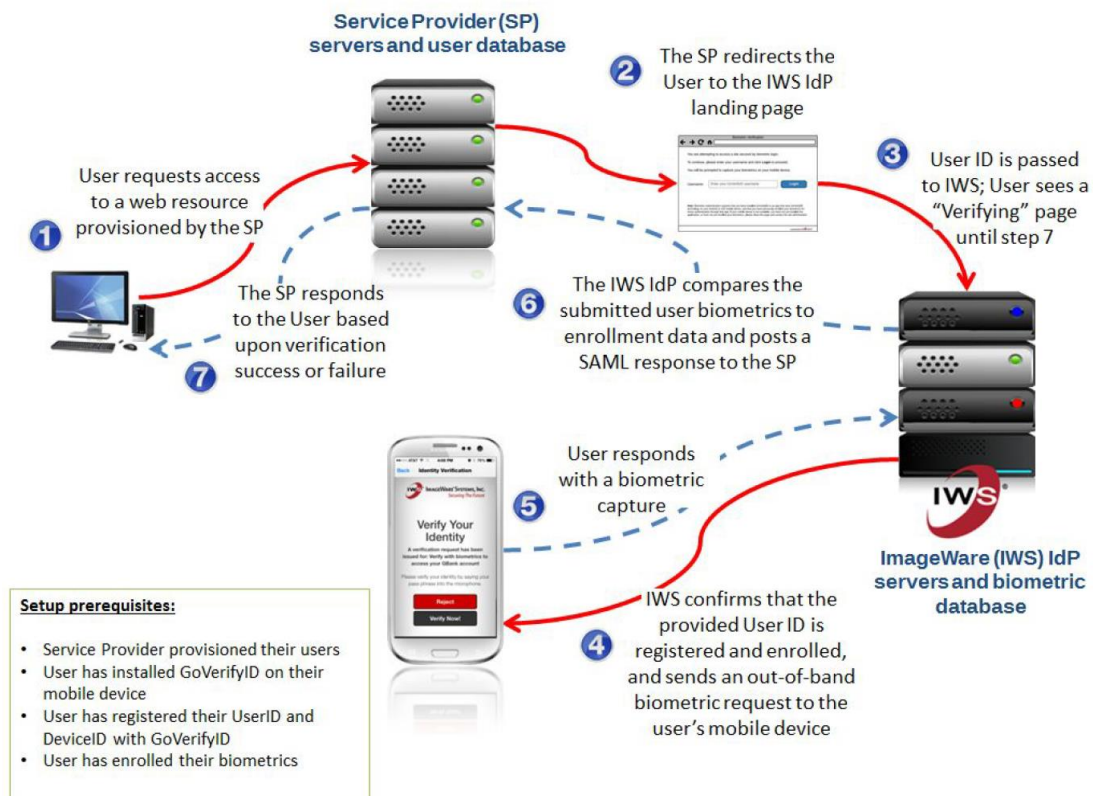
ImageWare Authentication Options	
• <i>Secure Messaging</i> • <i>Secret Key</i> • <i>PIN</i> • <i>Swipe</i> • <i>Yes/No</i>	• <i>Face</i> • <i>Voice</i> • <i>Fingerprint</i> • <i>Palm</i>

We offer a better user experience by using an enroll once, use anywhere model. Users can enroll once on any of their devices and use any device for verification. Users can choose what modalities they wish to use based on the choices provided to them by their organization. In this way, ImageWare provides the security organizations require while providing convenience to their users.

Flexible Architecture to grow with you

- Fast and accurate anonymous authentication
- Scales to hundreds of millions of identities with real time authentication
- Cloud, on-premise, on-device matching

PRODUCT DIAGRAM & DESCRIPTION OF PRODUCT INTEGRATION



1. A user attempts to access a CyberArk privileged access management system.
2. The CyberArk redirects the request to the IWS SAML IdP landing page.
3. The user inputs their credentials (such as a UserID or email address).
4. Upon confirmation of a legitimate, registered and enrolled UserID, ImageWare sends an out-of-band message to the user's registered mobile device(s) requesting that they provide a biometric verification.
5. The user completes the authentication challenge, such as a face capture or voiceprint.
6. ImageWare's GMI servers validate the user's biometric verification capture against that user's biometric enrollment and generates a SAML response.
7. CyberArk validates the SAML authentication response and responds to the end-user's request appropriately based upon the user's authentication success or failure.

Customer prerequisites:

- Customer must have an existing Tenant account with ImageWare's GMI servers that has been correctly configured to use ImageWare's IdP
- Customer must provision their users appropriately to their GMI Tenant account.

User setup prerequisites for mobile out-of-band authentication:

- User must install the GoVerifyID app or a compatible app on their mobile device
- User must register their UserID with app
- User must enroll their biometrics

IMAGEWARE PRODUCT INSTALLATION & INTEGRATION CONFIGURATION

ImageWare provides GMI and GoVerifyID as a SaaS model, this means there is no installation or integration required. Simply configure the SAML return URL provided by ImageWare in CyberArk, setup your users in the tenant provided by ImageWare and that's it! You can start using multi-modal authentication with CyberArk.

INTEGRATION STEPS

Before starting the configuration steps outlined in this document, please make sure you have the following:

- A tenant configured on an ImageWare solution server provided by ImageWare
- IdentityProviderLoginURL provided by ImageWare
- Identity providerCertificate provided by ImageWare.
- At least one user account that has been added (for testing)
- The GoVerifyID or similar application installed on a mobile device
- The GoVerifyID or similar application registered to an account

Once the prerequisite information has been received, you can follow these steps in order to setup ImageWare SAML authentication within CyberArk:

1. On the PVWA server add the following parameters to the `\inetpub\wwwroot\PasswordVault\web.config` file under the `<appSettings>` section:


```
<add key="IdentityProviderLoginURL" value="" />
<add key="IdentityProviderCertificate" value="" />
<add key="Issuer" value="" />
```
2. Replace the IdentityProviderLoginURL provided by ImageWare Systems.
3. Add the IdentityProviderCertificate provided by ImageWare System as a single string with no spaces, CR/LF, nor BEGIN/END CERTIFICATE tags.
4. Set the Issuer to the value of the Audience on ImageWare.
5. Configure the SAML settings in the PVWA:
 - a. Login as Administrator on the PVWA and go to *System Configuration -> Options-> Authentication Methods -> saml*
 - b. Change the Display Name to ImageWare SAML Connection (or similar)
 - c. Change Enabled to yes

- d. Remove LogoffURL
 - e. Save your changes
- 6. Restart the IIS services

TROUBLESHOOTING

If you're having trouble login in, be aware that:

- Currently CyberArk doesn't support native IDP initiated login flows
- We support only specific configurations of the SAML response
- We must have the audience configured

Detailed information is provided [here](#). Please make sure the instructions to configure the IDP are followed, before contacting CyberArk Technical Support.

PARTNER CONTACT INFO

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