Experience powerful, simple and fast mobile authentication

**Biometrics-as-a-Service™ (BIOaaS™)**
Fujitsu combines a deep understanding of biometrics with our industry specialists, who span every domain, to provide solutions that fix customers’ business problems.

We strive to align the business benefits with the specific needs of each individual customer:

- Compliance with federal, state/provincial and industry regulations
- Reduction in staff or customer fraud
- Increased security for specific locations or information

Fujitsu can support every aspect of biometrics, from consulting and cloud services right through to biometric sensors.

**Mobile Biometric User Authentication: How it works**

1. A qualifying event (like a retail transaction at a store) starts the process.
2. The transaction vendor server (like a bank) pings the BIOaaS server for an authentication request.
3. The user is asked to submit their biometrics for authentication.
4. Based on the results from the servers, the user login request is approved or denied.
Key Capabilities

Multi-Modal Biometrics: Patented multi-modal biometric fusion dramatically increases accuracy over a single biometric method.

Versatile: Flexible to work with your business scenarios, use cases, systems, and environmental needs.

Ultra-Scalable: Cloud service is scalable to support hundreds of millions of user identities and transactions.

Real-Time: Perform multi-modal biometric identity authentication over the cloud in a few seconds.

System Security

Anonymous Biometric Data: Anonymous enrollment, authentication, and storage of biometric data.

Data Encryption: All data is encrypted end-to-end, both in-transit and in-place, using AES-256 Secure Cloud.

Services: Secure cloud service vendors: Amazon® Web Services (AWS), Fujitsu Cloud Services.

Secure Web Services: Web Services using OAuth credentials over HTTPS/TLS and support for PKI Certificates.

PKI Certificates: Support for PKI Certificates between customer servers and cloud systems.

Supported Biometrics

Multiple Biometrics: Can use any single biometric or any combination of multiple biometrics.

Voice Authentication: Voice passphrases, voice match, and liveness detection using Microsoft algorithms.

Face Authentication: Face image matching using Cognitec® FaceVACS® face matching algorithm technology.

Fingerprint Authentication: Optional fingerprint matching using Apple® Touch and Samsung® fingerprint reader on supported devices.

Future Biometrics: Other biometrics can be easily added once they are available on mobile devices, including upcoming iris, fingerprint, and palm scanning mobile devices.

Supported Devices

Apple iOS iPhones and iPads: Compatible with iPad® and iPhone® models running iOS 7 or later. Android OS Phones and Tablets: Compatible with Android® devices using 4.1.0 or later.

For a complete list of supported devices please visit www.fujitsu.com/us.

Supported Cloud Services


Other Public Clouds: Fujitsu provides server sizing guidelines, installation manuals, and installation programs.

On Premise / Private Clouds: Fujitsu provides server sizing guidelines, installation manuals, and installation programs.

Tenant Integration Approaches

Product Integrations: CA Technologies certified integration with CA Identity Management products, including the CA Single Sign-On and other product integrations. Certification with additional vendor products are pending. HP Aruba ClearPass Access Management System™ v6.6 and later provides a complete integration with the BIOaaS. Extenua Cloud2Drive v1.9 and later provides a complete integration with the BIOaaS platform.

Standard Interfaces: SAML – a user authentication open standard that is used by over 600 software products. OAuth – a user and system authorization standard used by many applications and systems.

Custom Integrations: Fully open and documented SDK provides REST Web Service APIs to enable any desired use case, user behavior, appearance, or branding.

Mobile App Configuration and Customization

Configuration of Mobile App: Full modification of BIOaaS mobile app appearance, branding, biometric authentication options and parameters, interactive messaging, and workflow is accomplished via configuration and messaging templates and using any standard HTML5 screen design tool.

Customization of Mobile App: Fully open and documented SDKs, with sample code for Apple iOS and Android™ mobile devices, enable you to create any desired appearance, behavior, workflow, or user experience.

Embedding the Mobile App: Fully open and documented SDKs, with sample code for Apple iOS and Android mobile devices, enable you to embed the Fujitsu capabilities directly into your existing or new mobile apps and create any desired appearance, behavior, workflow, or user experience.