

Biometrics-as-a-Service (BIOaaS)



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.

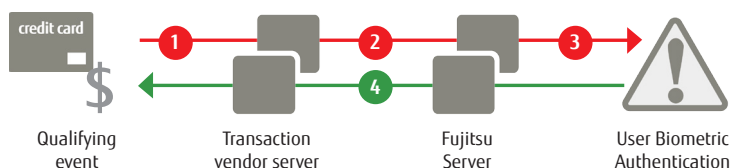
We strive to align the business benefits with the specific needs of each individual customer:

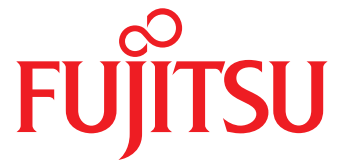
- Compliance with federal, state/provincial and industry regulations
- Reduction in staff or customer fraud
- Increased security for specific locations or information

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.





shaping tomorrow with you

KEY CAPABILITIES	
Multi-Modal Biometrics	Patented multi-modal biometric fusion dramatically increases accuracy over a single biometric
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 passphrase, voice match and liveness detection using SpeechPro algorithms Voice passphrase, voice match and playback detection using ValidSoft® algorithms
Face Authentication	Face image matching using Cognitec® FaceVACS® face matching algorithm technology
Fingerprint Authentication	Optional fingerprint matching using Apple® iTouch 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	<ul style="list-style-type: none"> ■ 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	
Amazon Web Services	Fujitsu provides a turnkey SaaS solution using Amazon Web Services. Fujitsu Cloud Services Fujitsu provides a turnkey SaaS solution using Fujitsu 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 products. Certifications with additional vendor products are pending. HPE Aruba ClearPassAccess 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. SCIM – a user provisioning open standard that is used by many leading 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.

FUJITSU AMERICA, INC.
 Address: 1250 East Arques Avenue
 Sunnyvale, CA 94085-3470, U.S.A.
 Telephone: 800 831 3183 or 408 746 6000
 Website: <http://solutions.us.fujitsu.com>
 Contact Form: <http://solutions.us.fujitsu.com/contact>

Have a question? Email us at: AskFujitsu@us.fujitsu.com

FUJITSU NETWORK COMMUNICATIONS, INC.
 Address: 2801 Parkway, Richardson, TX 75082
 Telephone: 888 362 7763
 Website: us.fujitsu.com/telecom

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