

Fact Sheet

FUJITSU Biometrics-as-a-Service Platform™

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

True identity assurance is a fundamental requirement of any robust security environment. Security is not just about having the best locks in the world, it's also about knowing who has the keys and ensuring that they are the only people who can use them.

Biometrics can assist with determining a true identity in the first instance, via identification, or verify against a known identity, authentication.

With over 20 years experience in biometrics, Fujitsu has the capability and solutions to assist customers to understand and solve their biometric needs.

Having experience in all biometric and identity domains, Fujitsu can demonstrate how biometrics can deliver Identity assurance in each specific problem space.

Challenges

There are many areas where identity assurance is important in today's enterprise:

- Staff
 - Physical access to buildings
 - Login access to systems, either Single Sign On or specific functions within applications
 - Access and audit controls for high value items
 - Staff ID cards
 - Time and attendance
 - Help Desk applications
- Customers
 - eCommerce (online)/mCommerce (mobile devices) solutions
 - Cashless Point of Sale solutions
 - Secure Patient eHealth records
 - Help Desk applications

As biometric systems become ever more connected to the business applications they support, a greater proportion of complexity is found in the integration of biometric and non-biometric components. Many legacy systems store disparate identity information –Biometrics can be leveraged to tie it all together.

With the vast array of biometric solutions available today, customers are not only looking for answers about "if" they can leverage biometrics but which types of biometrics are best suited to their business needs and risk levels. Should the solution be matched on device or centrally matched? Should it be hosted internally or in the cloud?

How we can help

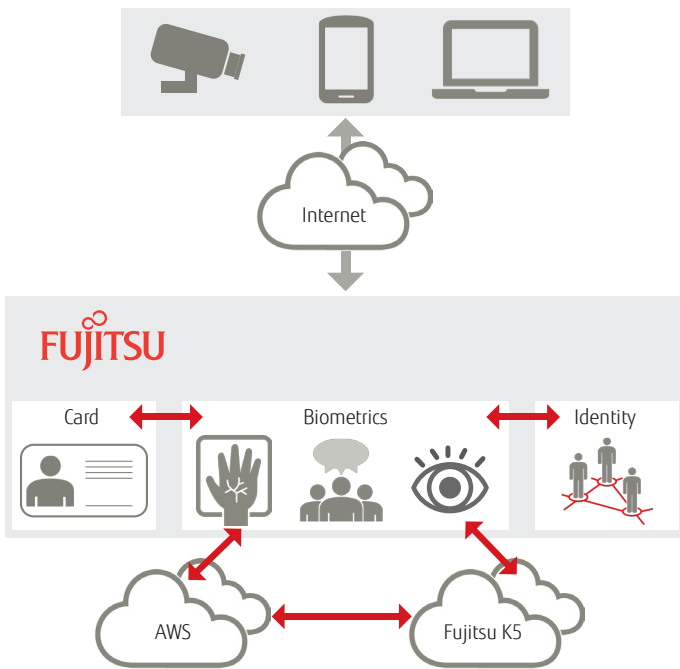
Fujitsu has developed and deployed biometric products and systems for over two decades -- from consumer-focused devices such as fingerprint readers in laptops; through large scale financial service solutions, including cardless ATM's and cashless payment solutions; up to national-scale border management and healthcare systems. In addition, Fujitsu is a contributing member on both national and international biometrics standards committees.

Fujitsu builds and maintains its own range of biometric products and services including PalmSecure® and Biometrics-as-a-Service Platform (BioaaS). We also work closely with established partners to supply state-of-the-art biometric software and devices based on commercial off the shelf (COTS) products, which reduces risk and cost for our clients.



The problem

- Identity theft costs companies billions of dollars in health care in the US annually.
- Organizations around the world lose an estimated five percent of their annual revenues to fraud
- Account resets are the most common help desk call due to forgotten passwords
- Many systems are unable to leverage "step up" authentication, to leverage higher levels of trust for high risk transactions



Benefits

Fujitsu combines a deep understanding of biometrics with our industry specialists, who span every domain, to provide solutions that fix customers business problems.

- We ensure the business benefits meet the specific needs of each individual customer:
- Compliance with federal (e.g. HIPAA, FIMS, PCI, etc.) or state/provincial regulations
- Reduction in staff or customer fraud.
- Increased security for specific locations or information

What we offer

- Products and Software – Fujitsu is able to sell and support a wide variety of Biometric solutions
 - Fujitsu products
 - PalmSecure family of products
 - Secure laptops and tablets
 - Trusted Partners
 - Fujitsu is able to find best of breed solutions to fill any requirement
- Consulting – Fujitsu offers a range of consulting capabilities – from short duration 'health checks' to in-depth reviews
 - Biometrics Health Check
 - Product Evaluation
 - System Performance Evaluation
 - Biometric modality or solution selection
 - Architectural Assistance for complex biometric and identity solutions
- Systems Integration – As one of the worlds largest Systems Integrators Fujitsu has the skills and experience to assist with all of your Biometrics system integration needs.
 - Proven biometric experience in multiple domains and regions
 - On Shore, Near Shore and Offshore Development capability

- Cloud-based Biometrics-as-a-Service Platform – The Fujitsu multi-modal Biometrics-as-a-Service Platform is a massively scalable secure solution that is capable of running in a variety of ways.
 - Complete Identity Management as a Service
 - Securely stores all biometric and biographic information in the cloud
 - Anonymous Biometrics-as-a-Service Platform
 - No personally identifiable information (PII) leaves the organization
 - Anonymous biometrics matching service
 - All information is stored in house and only the biometrics being matched are sent to the cloud

How it works

Understanding business needs compared to the true market capabilities

At Fujitsu, our unique approach to innovation is centered on people. Our vision is to empower people to build a better, more connected society. This approach to everything Fujitsu does is even more appropriate in the security space where Biometrics adds a "Who you are" factor to identity management.

Certain Biometrics are more appropriate to government domain than financial ones, such as a complete 10 fingerprint print capture, as they may be used to search criminal justice systems. eCommerce and mCommerce are different to in-person transactions as the ability of the system to detect fraudulent biometrics is increased without staff observing the transaction. The wrong choice of biometric solution can hamper an implementation even before it has started as some biometrics are less effective under certain environmental conditions.

Solutions across the entire stack

As Fujitsu is able to assist with every aspect of biometrics, from consulting and cloud services right through to biometric sensors.

Solutions in action

Biometric ATMs

The challenge

The number of transaction frauds and security breaches in traditional security systems such as passwords are rapidly increasing and the necessity for a strong authentication method becomes inevitable. Due to the role of customers in progress of banks, and thus in the economic development of countries, banks should provide convenient and more secured banking services to customers.

Banks could not meet this aim via using traditional authentication methods such as identification cards and passwords/PIN, because there are many attacks that could be launched against this authentication system. Palm vein biometric technology is a perfect solution to defeat these threats.

The solution

The escalation in the number of sophisticated crimes and frauds in the banking sector served as the catalyst for a major financial institution to tighten security.

After researching various biometric technologies, this financial institution chose Fujitsu PalmSecure for its outstanding features, such as high levels of verification accuracy and being non-invasive and hygienic, making it easier to be accepted by banking customers.

The bank currently uses the Fujitsu PalmSecure biometric palm reader in its

ATMs. The biometric sensor scans the vein pattern of a user's palm and matches it to a database where the account holder has pre-registered their data to verify an individual's identity.

The benefit

Account holders no longer need a personal identification number (PIN) when making a transaction at an ATM equipped with a sensor.

In addition to the card-plus-hand ID system, there's also the option of getting cash without a card – consumers just place their hand on the scanner and enter a couple of codes. The system is incredibly convenient. It's also extra secure.

"Since the biometric system was added, fraud declined. Other ATMs don't show the same improvement since they don't have that system. So it did help to avoid fraud."

Other notable programs:

Speaker Verification for the Australian Government.

Reducing cost while increasing security for a large government call center

Visa assessment systems for a number of governments.

Allowing for full identity checking and biometric sharing between countries to assist with securing borders

National Social Security and healthcare systems.

Providing both systems and services to assist with national programs

Criminal records and National Automated Fingerprint Identification Systems (NAFIS) implementations

Including the first NAFIS deployed in the Caribbean

Commercial, banking, educational and healthcare biometric applications in North America, Europe, the Middle East and Asia.

Fujitsu has extensive experience across virtually all regions and domains.

Why Fujitsu

Fujitsu provides a full array of biometrics consulting, products and solutions. As part of those solutions, Fujitsu is able to offer a complete identity management solution as a service, reducing capital expenses and bringing the return-on-investment from years or month to weeks or days.. Fujitsu is simply your trusted partner for biometric services. We are arguably the most global vendor, with leadership market share in Europe, Asia, and North America. With more than 156,000 employees worldwide in over 100 countries speaking 29 languages, we can service your infrastructure in place, with a two-hour response, to cities throughout the world. Fujitsu can deliver unique value to global clients by helping them standardize global delivery, operations, and support. At the same time, we have the local presence and understanding to do business with clients who have regionally diverse languages and cultures. Fujitsu leverages best-of-breed infrastructure solutions to reduce risk, complexity, and cost.

About Fujitsu Americas

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Digital Transformation

New digital technology is becoming incorporated into the heart of business and society. Digital is not a single technology, rather a set of connected technologies such as cloud, mobile, Internet of Things (IoT), analytics, Artificial Intelligence (AI) and supporting security technologies.

Digital technology can radically transform how the world works. For instance, a manufacturer can leverage a connected, digitalized production line to gain a real time view of its operations, and make changes more quickly, transforming its efficiency. Connectivity greatly reduces transaction costs, and therefore improves the bottom line. Digital technology fundamentally changes an organization, how it operates and how it creates value. Digital transformation is metamorphosis. A core change, not a cosmetic change or an extension. A reconfiguring of a business to provide higher value products or services.

Digital technology has grown through four major waves of development. The first wave, the internet, made computing technology available to all, and was the first platform for digital services. The mobile internet followed by making digital services accessible anywhere.

Find out more at:

<http://www.fujitsu.com/us/vision/digital-transformation/>

More information

For more information, please visit:
www.fujitsu.com/us

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Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT. Please find further information at:
www.fujitsu.com/global/about/environment/



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