Thales Cogent Automated Biometric Identification System (CABIS) 7

Redesigned to make your job easier, and the public safer.

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Identity & Biometric Solutions

CABIS 7 supports multimodal matching of fingerprint, palm print, latent, facial, and iris data. Built on our signature ABIS solution, it offers a redesigned back-end system, enhanced features, plus improved workflows and user experience to achieve high operational performance and system reliability.

With hundreds of case files to process daily, forensic examiners need to find answers fast. They need a multi-biometric tool that can help them find answers quickly and efficiently. Leveraging over 27 years of biometric experience from trusted industry leader, Thales, CABIS already provides:

Accuracy

Achieves consistent, highly-accurate NIST evaluations

- #1 in single finger identification on 100K-record database*
- Most accuracy of latent matching for Image plus Extended feature set**

Uses comprehensive, powerful tools to analyze and enhance quality of prints, increasing probability of hits.

Speed

High-performance system supports large database capacity while maintaining high throughput and fast response time.

Provides both high-speed software and hardware matching solutions, achieving the same accuracy results with different advantages.

High Availability

Keeps system highly operational with minimal interruption.

Reduces system downtime during scaling and configuration with fewer restarts.

Improves data replication and synchronization for Primary/Disaster Recovery sites.

Full Service Functionalities

Able to capture, search, and store NIST-compliant fingerprints, palm prints, latents, faces, and irises at 500 or 1000 ppi

- Performs 1:1, 1:Few (watch list), and 1:N searches
- Provides finger and palm sequence checks
- Capability for storing multiple record types, such as criminal and civilian records in the same database

Scalable System

Offers a wide range of configurations from small standalone solutions to large scale system configurations.

Seamless Interface

Interoperability with local and national ABIS solutions such as FBI NGI, EURODAC, and Prüm.

Interfaces with third-party software and systems, exchanging data such as livescan, record management, mobile, etc.

Highly Flexible and Configurable

Supports dynamic business rules, data flow, and operational procedures with fully customized workflows.

*http://dx.doi.org/10.6028/NIST.IR.8034
**https://www.nist.gov/sites/default/files/documents/2016/12/19/elft-efs2_iai_2012_final.pdf

The new CABIS 7: The next generation of automatic biometric identification systems from Thales.

Utilizing findings from fingerprint examiners and their IT teams, we've evolved our signature CABIS solution. The improvements make it more intuitive and easier to work with, and increase the probability of hits.

Modern and Intuitive GUI

An intuitive and user friendly interface redesigned by UI experts.

Provides consistent UI elements and workflows within each module.

Requires minimal training.

New Features and Workflows

Offers a web-based CABIS, delivering flexibility and convenience to securely access your system through a web browser

Provides more efficient workflow options

- Parallel task workflow processes multiple tasks and searches simultaneously such as searching one tenprint transaction against both tenprints, and unsolved finger latents, all in a single pass
- Unknown latent workflow maximizes each transaction by searching one latent transaction against both finger latents and palm latents in a single pass

Improved and comprehensive features and tools

- Multi-biometric transaction fusion mode provides you an optimal candidate list of aggregate scores fusing the results
- Inconclusive decision option lets you defer decisions to a later time, when better information is available
- Transaction queue management loads pages and returns results faster when dealing with a large amount of transactions
- Full text search easily narrows down the number of transactions within large queues
- Powerful database query function provides flexible criteria and query history management
- Horizontal or vertical overlay mode allows easy facial and finger comparisons among suspects on file

Centralized Management System

Web portal simplifies and streamlines processes.

The following tasks can be completed from a central location, so system management tasks are simplified and time spent accessing individual servers and workstations is reduced:

- Software installation
- Binary updates
- Troubleshooting
- Configuration and version management
- System performance monitoring

Latest Technology

- Builds upon SOA (Service Oriented Architecture), Java, and Spring framework to adapt to future technology while remaining platform agnostic
- Uses the popular RESTful web service and XML interface
- COTS (Commercial Off the Shelf) solution enables the use of industry standard hardware and software
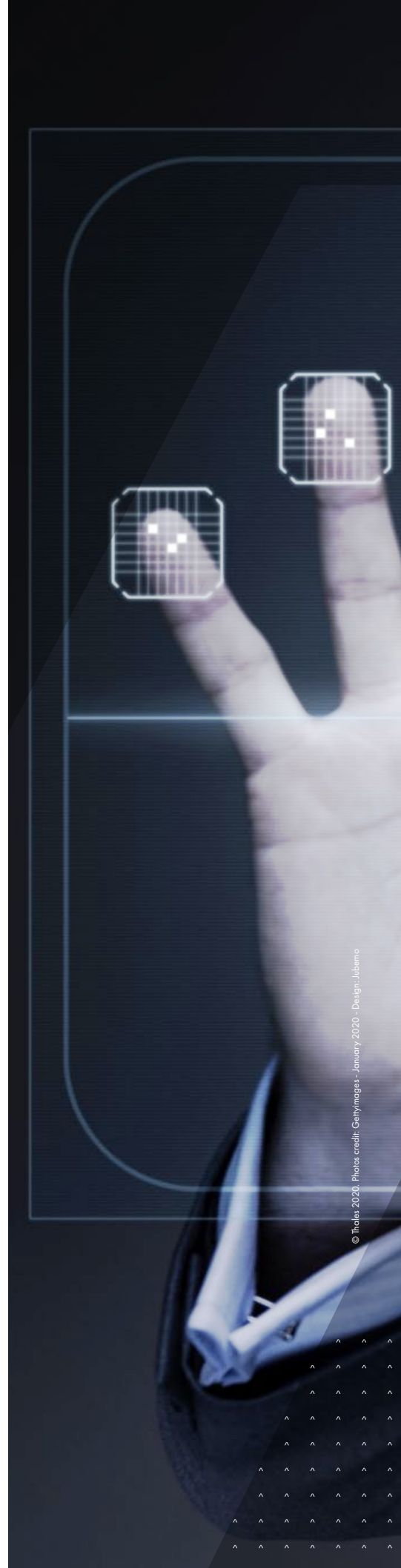
Enhanced Security

Protects critical information with strong encryption options for data at rest and data in transit.

Learn more about CABIS 7, visit www.thalesgroup.com

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