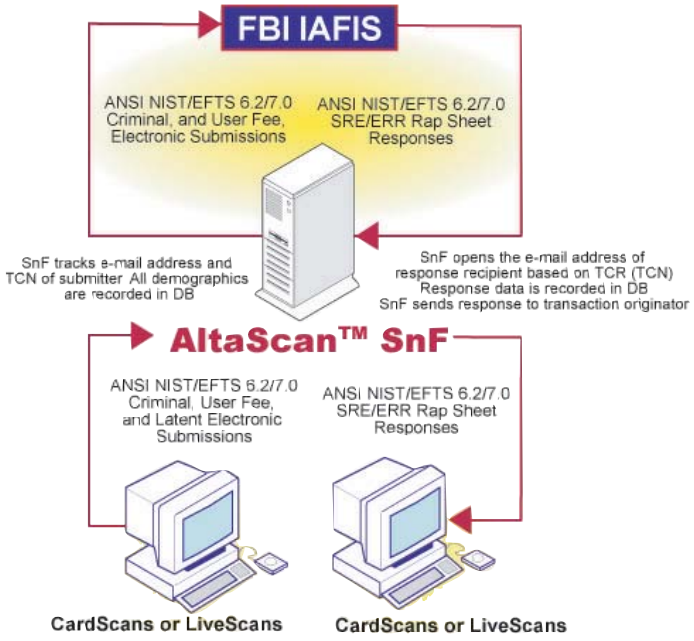
NORTHROP GRUMMAN
Information Technology

Cornerstones for Keeping America Safe

Transmit Electronic Fingerprints

AltaScan™ Store-n-Forward Processing



The AltaScan™ Store n Forward (SnF) is a standards-based connectivity solution for exchanging fingerprint and demographic information. Like all Northrop Grumman AltaScan™ solutions, the Store n Forward complies with ANSI NIST/EFTS 6.2 and 7.0 established standards.

The SnF can be used to communicate with any standards-compliant system to share fingerprint images and demographic data in both criminal and civil applications. For those agencies with limited budgets and pending deadlines, the SnF represents a robust and proven alternative to expensive connectivity devices that use proprietary formats and unnecessary "bells and whistles." In its base form, the SnF can handle in excess of 25,000 transactions a day. The SnF represents an ideal opportunity for agencies to participate in the electronic fingerprint-based identification process for a low cost.

IT

Compliant with FBI Standards

The SnF processes civil and criminal fingerprint submissions in support of the transactions defined in the FBI's Electronic Fingerprint Transmission Specifications (EFTS) 6.2 and 7.0 standards.

Trouble-Free Workflow and Storage

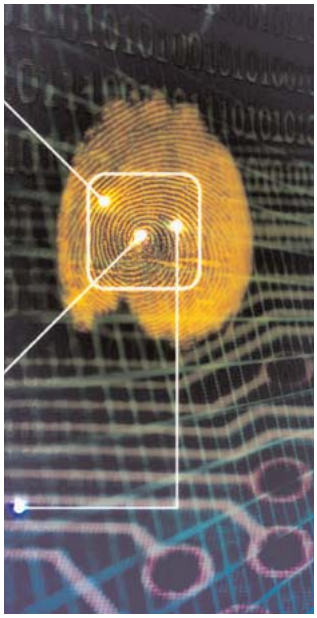
The SnF is used for tracking, storing, and forwarding fingerprints and demographic information through the processing system. The SnF acts as a front-end server for all your electronic submissions. It accepts EFTS 6.2 and 7.0 compliant e-mail submissions from any FBI compliant Card-Scan or LiveScan device. The records are written to the SnF's disk drive and then forwarded to the defined electronic destination. If the FBI's IAFIS is your destination, the SnF can simultaneously transmit "Live" transactions and "Test" transactions to the FBI "Debug" account. The SnF receives electronic responses, determines the original submitter and returns the response back the the submitter in NIST/EFTS format.

The SnF records all transaction data into a relational database, which allows dynamic tracking of all submissions to and from any electronic destination, such as the FBI's IAFIS. The raw NIST record is saved on its local disk drive for archival purposes, until the user defined purge routine is executed.

The SnF maintains a minimal set of Type 1 and Type 2 data that provides the SnF administrator with an electronic troubleshooting "footprint."

Keep Transmissions Simple

The SnF uses standard Simple Mail Transfer Protocol (SMTP) with Multipurpose Internet Mail Extension (MIME) e-mail to transmit the compressed fingerprint images and demographic data.



This standards-based transmission method ensures the SnF output is compatible to any system capable of receiving standard e-mail.

Receive Electronic Results

Following the electronic submission of a fingerprint card, a response message (SRE or ERR) is returned to SnF. The SnF dynamically decides where the response(s) should be sent. It then returns the response from an Automated Fingerprint Identification System (AFIS), Computerized Criminal History (CCH) system, or the FBI to the transaction originator via SMTP

The SnF is capable of returning all SRE or ERR responses, including those with RAP sheets attached. If needed, the SnF can be easily configured to print all responses at the SnF location, benefitting some civil environments. The SnF stores responses in a database, which are accessible by the operator. Daily SnF statistics can also be e-mailed to the system administrator, reducing the amount of hands-on administration and aiding in the management of electronic processing.

Rely on SnF Reports

SnF provides reports based on transaction processing, results and billing to aid in system management and administration. In addition to standard reports for monthly submission totals and daily submission totals, there are three general search areas that are accessible to the user

- Submissions Search—Search by TCN, Submitter E-Mail, Type of Transaction, or a definable Date Search
- Demographic Search—Search by Subject Name or Subject Social Security Number
- Response Search—Search by TCN, Response Type, or definable Date Search

Track Workflow

SnF is not a "send it and forget it" solution. It incorporates a tracking database to allow the operator to track the status of all submissions. Operators access data from the tracking database through management reports, which are accessible via the SnF Graphical User Interface (GUI).

Automated Administration

SnF provides common system administration functions, such as

- Automated Critical Error Messaging
- Automated Application Maintenance
- Point and Click Response Resending

Spend Less

AltaScan™ SnF offers major cost benefits to any agency that needs to process electronic criminal and civil fingerprint cards. AltaScan™ SnF is the least expensive connectivity available on the market.

Commercial Hardware and Software Components

The AltaScan™ SnF system is comprised of the following:

Hardware

- Compaq Proliant ML series server, Xeon 2.8GHz (or faster), 512MB RAM, 72GB data drive, 36GB system drive, 10/100/1000 Ethernet Adapter
- Compaq 17" LCD Color Panel display
- HP LaserJet Printer
- Optional Rackmount configuration
- Optional Multi-Processor (2) Scalable and up to 6GB RAM

Software

- Microsoft Windows 2000Server
- Gordano GMS Mail Server
- Microsoft SQL Server 2000
- AltaScan SnF Application includes: Developed GUI, Record Import GUI and Manager Report GUI
- Optional AltaScan NIST Viewer App
- Optional Fault Tolerant/High Availability configuration

Documentation

- Users Guide and System Administration Manual

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