Multimodal Identity Management Platform

SRI International offers a scalable software platform for identity management through an intuitive, easy-to-use web interface. The platform provides system designers with a set of core services for multimodal biometric identification, as well as a suite of auxiliary services including authentication, component registration and biometrically backed badge generation.

**Design Flexibility**

System capabilities are delivered through a pluggable open architecture that coordinates a full range of biometric (face, iris, fingerprint) and other modalities, third-party matching engines, fusion schemes, and encounter management services. Designed for simplicity and scalability, SRI's platform can support a wide range of applications—from large-scale distributed architectures to handheld devices for access control, surveillance and personnel management.

- Multi-sensor, multimodal configurations
- Simple web APIs for easy integration
- Supports mixed vendor matchers by modality
- Multi-user web interface
- Scalable to support a wide range of applications

**Ease of Use**

SRI's platform provides a rich user experience via a web browser.

- Zero-install HTML client works in most modern browsers
- Web UI supports a rich, intuitive set of enrollment, system and encounter management screens
- Users can manage or monitor the system from their desktops, tablets, phones or other networked devices

Standards-based interfaces and a portable, pluggable architecture support a wide range of applications

*Preliminary—all statements and claims are design goals, pending the result of testing*
Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Browser Support</td>
<td>IE, Chrome, Firefox</td>
</tr>
<tr>
<td>Supported Operating Systems</td>
<td>Windows, Linux, Android</td>
</tr>
<tr>
<td>Supported Databases</td>
<td>RostreSQL, SQLite (Android)</td>
</tr>
<tr>
<td>EBTS Import / Export Format</td>
<td>1.2</td>
</tr>
<tr>
<td>Integration API</td>
<td>JSON over HTTP(s) (REST style)</td>
</tr>
<tr>
<td>Sensor Compatibility</td>
<td>SRI capture devices, WS-Biometric Device compliant devices</td>
</tr>
</tbody>
</table>

Key Features

- Integrates using open standards
- Configurable retention policy
- Reliable management of biometric and biographic data
- Live monitoring of enrollments or biometric collection points
- Generates biometrically backed badges
- Integrates with biometric capture devices, including SRI’s portals and tablets
- User-defined subject categories and alerts
- Integrates with a number of industry standard access control systems

Case Study —
On-the-Move Access Control and Encounter Management

SRI is currently developing access-control and encounter management solutions—based on our software platform—for several government customers. Common to these programs is the need for an easy-to-use, scalable multimodal system that offers high-throughput, contactless and on-the-move biometric authentication.

**Challenge** | SRI was tasked to make multimodal recognition viable in this scenario.

- **Multimodal**: Iris, fingerprint, and face with provisions for additional modalities
- **High Throughput**: Integrated with SRI’s face and iris sensors and a third-party fingerprint sensor, all with on-the-move capture
- **Remote Identification**: Integrated with SRI’s tablet and other third-party handheld devices through an open REST style interface

**Result** | SRI’s scalable platform will support a number of product releases to further the testing and operational evaluation of multimodal access control and enrollment applications.

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SRI International

SRI International creates world-changing solutions to make people safer, healthier, and more productive. SRI, a research center headquartered in Menlo Park, California, works primarily in advanced technology and systems, biosciences, computing, and education. SRI brings its innovations to the marketplace through technology licensing, spin-off ventures and new product solutions.

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