

ORACLE'S JUSTICE INTEGRATION HUB AND JUSTICE INFORMATION NETWORK

KEY FEATURES

ORACLE'S SOLUTIONS FOR CRIMINAL JUSTICE:

- Eliminate redundant data to get a more accurate view of offender status in system
- Enforce best-practice business processes to increase agency efficiency
- Model offender behavior and crime patterns with powerful Business Intelligence
- Restrict data access to authorized users with role and label-based security
- Deliver key information first responders—through any communications device—with Justice Enterprise Portal
- Share offender data among agencies with support for Justice XML
- Promote information sharing across and among organizations to protect against criminal and terrorist threats

The Justice Integration Hub (iHub) is a technology platform that can serve any criminal justice single agency--or multiple agencies and their justice trading partners. Criminal justice information can be integrated at a central location and shared to support the entire justice process.

What is Justice iHub?

The Oracle Justice Integration Hub (iHub) is an integrated computing platform designed to solve the problem of data fragmentation in the criminal justice system. Able to serve multiple agencies and their justice trading partners, Oracle Justice iHub collects data from across the criminal justice system and stores it in a central repository. This repository delivers a single offender record to the applications that support the criminal justice process, available only to authorized users through a roles-based Justice Enterprise Portal and protected by Oracle's industry-leading security features.

What are the Benefits?

Ease of Development – Operations analysts can use the graphical user interface tools to define data sets, transformations and mappings, thus, freeing developers to focus on other critical tasks.

Ease of Deployment and Management – Since the hub is part of the Oracle Application Server, it leverages its facilities that make deployment and management easier and less risky.

Lowers Total Cost of Ownership (TCO) – The Justice Information Network platform provides a rich set of functionality and cohesiveness that requires no additional integration.

Oracle Public Health Information Network Infrastructure Components

Oracle Justice Integration Network provides the infrastructure for integration needs, built on one common platform. The Justice iHub provides the following features:

Federated Hub Architecture – The hub architecture is an extensible and manageable mechanism for communications both inside and outside the enterprise and between various applications. The architecture also supports hub-to-hub communication. It leverages Oracle Interconnect and Oracle's Advanced Queuing as core components of the hub. Adapters, provided by Oracle and its partners, serve as spokes to disparate technologies and internal applications. The Justice Transaction Base (JTB) provides a common data model for the enterprise

Connectivity – The hub architecture utilizes adapters to integrate with enterprise systems and trading partners. With the adapters, the hub is able to transform from any protocol to any protocol, and transport messages securely over the Internet. For

example, offender data could be transferred among State and local agencies and the FBI, to ensure the sharing of Interstate Criminal History Information, Fingerprint, Scars, Marks and Tattoos (SMT) information, and National Incident-Based Reporting System (NIBRS) information. Oracle Wireless functionality certifies a very large number of devices, networks and gateways, allowing any application to be accessed across any network, any device, and any wireless protocol gateway.

Transformation – The hub includes integrated graphical design tools to model various aspects of integration, from specifying mappings and transformation to setting up information flows, including content-based routing. For example, when necessary the Justice iHub can combine criminal histories from multiple sources into a single criminal history and transform messages into an XML-based standardized criminal history transmission format.

Workflow – Using Oracle Workflow, the Justice iHub provides support for automated event processing using user-specified business rules and enables the capture and management of business information regardless of source and destination (i.e., outbound information from justice trading partners) within the enterprise. Oracle Workflow supplies a very friendly GUI interface for defining and capturing business rules. Business processes can model workflow for criminal history queries and responses (e.g., QR queries, IQ requests, FQ requests, etc.).

Business Intelligence - Leveraging comprehensive integration metadata, Oracle supports on-line business-level monitoring of the entire integration process. It enables on-line reporting and analysis of the history/audit trail maintained by the run-time repository. The Justice iHub also provides a set of pre-built reports for business users and trading partners to evaluate integration activity over time in order to identify opportunities to improve the operational processes. These powerful capabilities can be used for such tasks as crime statistics, crime analysis, Uniform Crime Reporting (UCR), and ad hoc investigations.

Operation Management - The operational management of an integration hub requires multi-layer capability. The Justice iHub leverages the underlying management capabilities that come out-of-the-box with the Oracle Database. The Oracle Database has a long-established and well-understood framework for managing such things as data integrity, recovery management, and space management. Integration solutions not built on a mature database are on much weaker footing. Backup and recovery are simplified by the fact that all transactions are stored in the database.

Security & Privacy – The Justice Information Network takes full advantage of the end-to-end security features of Oracle technology --role-based access, virtual private databases, label security, and encryption of stored data. Data transmitted between the Justice iHub and the JTB database is secured using the Oracle Advanced Security Option, while internet traffic can be encrypted using standards such as SSL or PKI. Quality of transmission is further enhanced by the ability to deliver a message once-and-only-once. These various security technologies enable privacy, authentication, integrity and non-repudiation of data and information in support of ever increasing security

requirements of the CJIS Security Policy.

Getting Started

Leverage Oracle's extensive experience of customer implementations across diverse industries and geographies. Tight integration across Consulting, Development, Support, Education and E-Business Suite Outsourcing puts the entire Oracle team behind your success. Contact us to discuss Oracle services at 1-800-633-0972 or visit oracle.com/homeland.

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