

CrossFlo Data Exchange® (CDX)

Public Safety. Homeland Security. Defense.

CDX

Your solution to improve efficiency and enhance public safety services through integrated data sharing, enhanced data interoperability and data integration...not only today, but also tomorrow.

PDSG's Crossflo DataExchange...

Because coded integrations are no longer scalable

You need re-usable, scalable solutions and methodologies. You need smart, accurate Information Exchange Package Documentation (IEPD). And a data sharing platform developed by people who not only speak YOUR language, but who also speak NIEM...People like those at PDSG.

We don't just tell you our CDX engine makes the transition from design to data sharing faster, better and easier. It IS the fastest go-live, quickest-deployment, most cost-effective data sharing solution on the market.

WHY CDX

Today, if you're running a mission critical organization, you already know that closed, brittle, tightly coupled integrations are not the way forward. With CDX, combined with 21st Century data exchange methodologies and PDSG's subject matter expertise, you can meet your current and future data sharing demands.

	BEFORE CDX	WITH CDX
CREATION	Creating a database you wanted to connect with required coded integration. The work had value only for that particular system.	Today, you want reusable Information Exchange Package Documentation, easily implemented in the Crossflo DataExchange platform.
MODIFICATION	Developers coded changes into every integration. One at a time (expensive). The result: multiple code sets to be managed.	With CDX, standards-based IEPDs implemented by CDX enable a single modification to be distributed out to all data-sharing partners. Automatically.
SCALABILITY	Code...Code....Code. Integrations meant managing and revising code – endlessly. Manually.	Today, CDX configures the data exchange and then manages it. Manual coding is a thing of the past.
LEVEL OF DISRUPTION	Systems went off line to test integrations. Operations and productivity were halted.	With CDX, the data exchange is tested without disrupting operations and no loss of productivity.

The PDSG Difference

In addition to our superior technology, we also have superior industry expertise. Our team includes members of the committee that created GJXDM, NEIM and IEPDs. PDSG was awarded the nation's largest IEPD development project.

SOA architecture loosely couples components and services to provide maximum extensibility and interoperability with other standards-based architectures and technologies

Minimal Hardware requirements – Readily supports more than 30 data sources from a single server.

Designed to leverage standard data models (XML) and domain business vocabularies (e.g. HL7, NIEM, etc.) to simplify data exchange projects.

Examples

In **New Jersey**, CDX enabled local Records Management Systems to share data with the State Police's database and is on track to share data with the FBI's National Data Exchange System (N-DEx).

In **Michigan**, CDX provides a federated query infrastructure to publish data on demand from multiple data sources to be used by various intelligence analysis applications.

Crossflo DataExchange® (CDX)

Delivers Maximum Interoperability

- Supports leading national data-sharing standards
- HL7, NIEM, GJXDM, EDXL, CAP

Offers a Truly De-Centralized, Distributed Environment

Permits clients to manage their own:

- Data Exchanges
- Data Governance
- User Permissions
- Data Sharing Artifacts
 - Use Cases, Business & Data Models, Schemas, etc

CDX Architecture + Future Proof

- Built on Open-Source Industry Standards
- Java/J2EE "run anywhere" platform
- Data Interoperability is based on existing & evolving XML standards
- Architected according to SOA principles
- Reusable artifacts support additional partners and additional exchanges

Multi-query Type Capability

- Allows support for the publication and subscription of data
- Federated Queries as well as scheduled and on demand information exchanges

Platform Pre-Configured for connections with:

- Any database: Oracle, Microsoft SQL Server, DB2, Sybase, Postgres, MySQL and legacy systems

Multi-Level Security Model

- Only the correct data is shared with authenticated personnel under the correct conditions



PDSG (formerly Crossflo) was a joy to work with. They brought intelligence, sensitivity and understanding to a complex installation in a 24/7 agency, all in less than 45 days. I couldn't have been more pleased."

Betty P. Kelepecz

Chief of Police (Ret.), San Diego

Harbor Police Department

Public Safety & Emergency Response



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