



sypherlink™

Knowledge • Access • Reliability

NIE Gateway™ for Data Sharing Exchanges

Accelerate data sharing initiatives while conforming to the NIEM federal standard

Key Benefits:

- Simplifies agency participation
- Maintains data privacy
- Accelerates the implementation of exchanges through reuse of pre-existing technology
- Provides flexibility to share data with other data sharing efforts such as Fusion Centers and federal programs
- Enables NIEM conformance without in-house training or expertise
- Enables access to current and future grant funding
- Allows agencies to focus on core competencies, not technology

The Challenge: Creating a data-rich and flexible information exchange

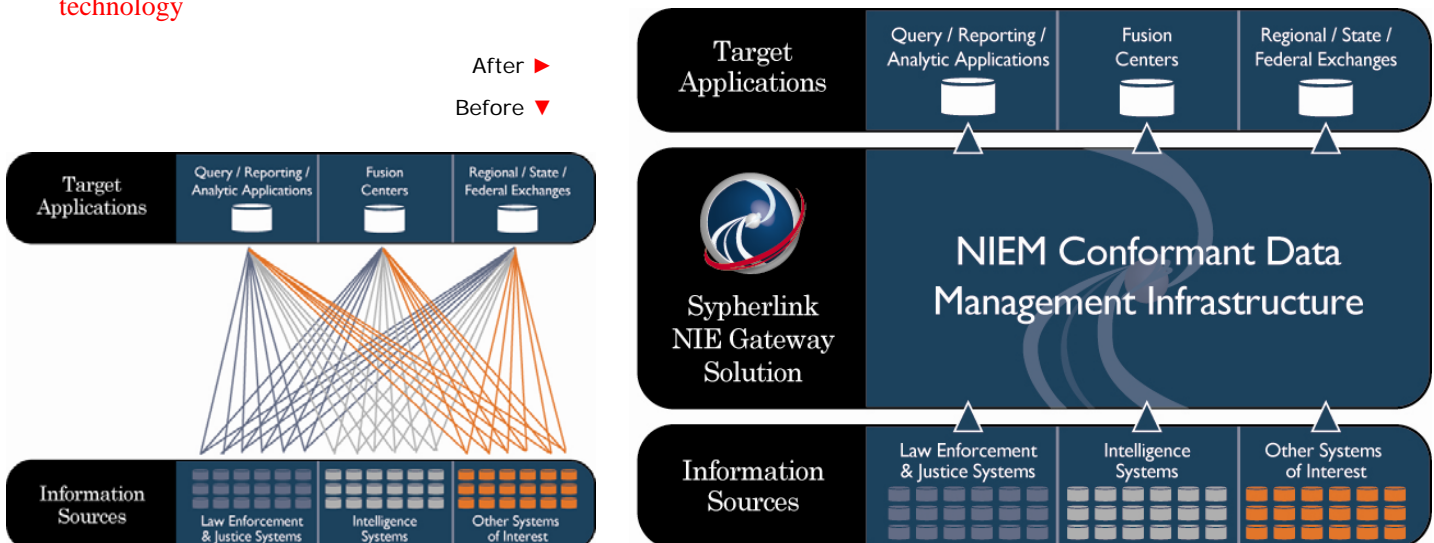
Regional, state and federal data exchanges are pivotal to the security of our nation as the intelligence they provide to law enforcement officials is extremely valuable. However it can be difficult to construct an exchange flexible enough to share information with multiple agencies, support inputs and outputs from various systems and applications, and comply with federal standards in a constantly changing environment.

The Solution: Embrace the only complete and proven infrastructure designed for exchanges

Sypherlink's National Information Exchange (NIE) Gateway™ is a complete and proven data management infrastructure that accelerates the implementation of information sharing initiatives.

Accelerate the implementation of the exchange – Leverage the NIE Gateway's patented technology to automate the typically manual and time-consuming data discovery and mapping processes, while jump starting the data movement process and integrating with preferred data management tools to leverage existing expertise.

After ►
Before ▼



Florida Law Enforcement Exchange (FLEX) Case Study

Situation: Florida Department of Law Enforcement (FDLE) wanted to share data across various agencies statewide. However, most of the entities already had their own information-sharing systems making it difficult, costly and time consuming to accommodate a new, statewide data-sharing program.

Solution: FDLE created the Florida Law Enforcement Exchange (FLEX) to establish a statewide information-sharing infrastructure that would conform to the federal NIEM standard. It chose Sypherlink's NIE Gateway to accelerate data discovery and mapping across hundreds of local and regional systems and create a standard data model.

Results:

- Agencies were able to participate without reformatting or upgrading existing systems.
- FDLE created a statewide data model that conformed to the NIEM standard.
- Significantly reduced mapping time and effort helping the FDLE to cost-effectively meet tight deadlines.
- Enabled data flexibility for use in future data-sharing initiatives.

Prepare for change – Standards will evolve, agencies will acquire new technology, additional exchanges will emerge and applications may be replaced. Because the NIE Gateway is a neutral infrastructure, changing inputs and outputs are handled by unplugging old adapters and plugging in new ones, while the remainder of the solution remains intact.

Comply with federal standards – Conform to the NIEM standard without in-house training or expertise, to enable integration with other data sharing efforts such as fusion centers and federal programs while meeting grant eligibility requirements.

Simplify agency participation – Pre-built adapters provide reusable technology to well-known packaged software to reduce one-off custom development.

Allow agencies to maintain data privacy – The NIE Gateway offers virtual access to data, helping agencies maintain data privacy and overcome a major barrier to participation.

Remain focused – Turn technology over to the experts and remain focused on core competencies.

The NIE Gateway includes these key capabilities:

Automated Discovery and Mapping Technology to replace costly, manual processes – The NIE Gateway speeds access to critical data by automating much of the traditionally manual data and metadata discovery and time-consuming mapping processes.

The results aid in data movement design and seamlessly feed common data management tools.

Reference Knowledgebase to accelerate data conversions – Sypherlink has worked with and built custom interfaces to dozens of the nation's leading records, case- and law-enforcement management systems. These pre-built mapping templates can be leveraged to further speed the data sharing process.

NIEM Reference Hub to facilitate federal standards compliance – The solution contains a fully-relational data model which conforms to the NIEM framework set forth by the U.S. Departments of Homeland Security and Justice, enabling quick and easy NIEM conformance.

Interfaces to Rich Information Sources to provide a more complete picture – The NIE Gateway offers pre-built interfaces to rich information sources such as Dun & Bradstreet's commercial database and Acxiom's Risk Mitigation consumer records, providing intelligence analysts and officials a more complete picture.

Production Data Integration Components to accelerate data sharing initiatives – Designed to easily and cost-effectively accelerate government data sharing initiatives, this set of components includes a lightweight data transformation tool to move data from one relational database to another; XML adapters to construct and send XML messages to target applications; and a production-ready data federation platform to access disparate data sources virtually, securely and non-invasively allowing agencies to protect sensitive data.