

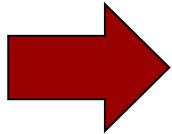
Indiana Interoperable Communications Conference

State of Indiana • Public Safety Data Interoperability & Integration
Project

September 28, 2010



Topics

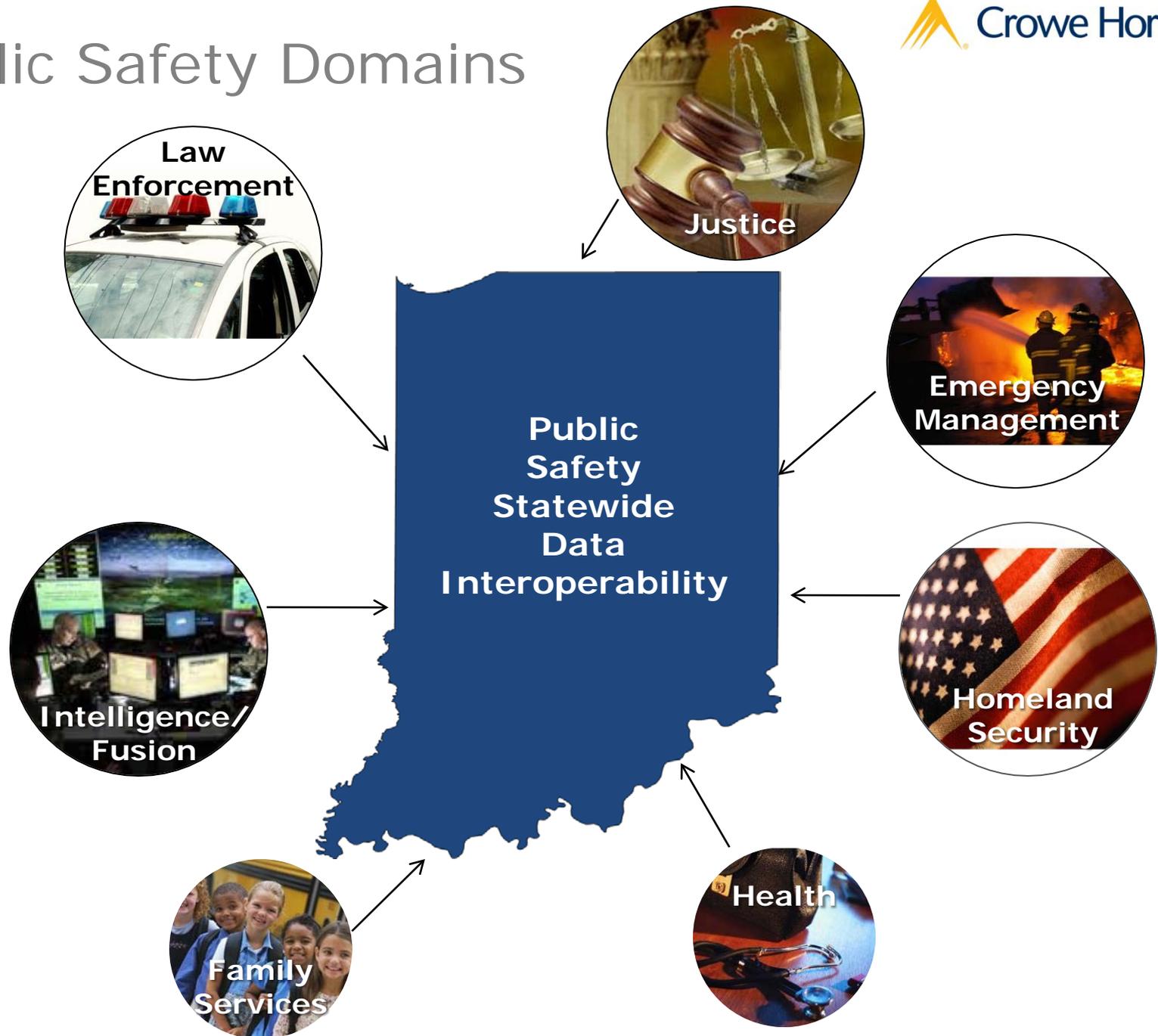


- **Public Safety Interoperability Overview**
- **Why now, what it means for first responders**
- **Fusion Core Solution**

Overview

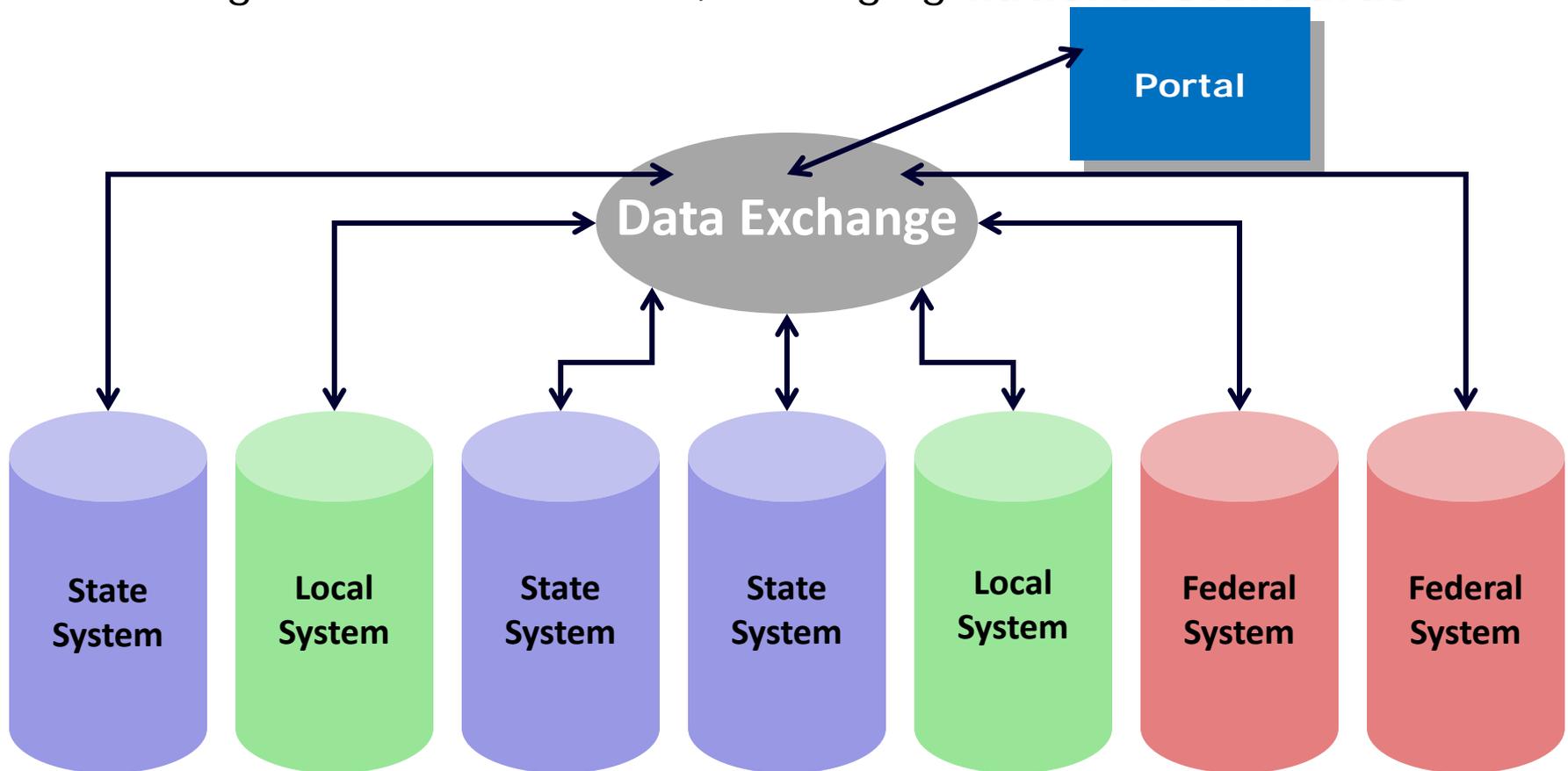


Public Safety Domains



Connecting Disparate Systems

- Data interoperability allows **disparate systems to work together as one enterprise system** in which multi-way information sharing and exchange of data is achieved, leveraging **national standards**.



Key Project Components

1. Envision



Stakeholders

- 16 state agencies
- 1 federal agency
- 2 local associations

Key Activities

- Mission, vision
- Current environment
 - Gaps and needs
 - Data exchanges
- Performance metrics/ROI

Results

- Statewide strategic plan

2. Architect



Standards

- NIEM: XML-based standard language
- JIEM : process models
 - GFIPM: security
- JRA: service-oriented architecture

Key Activities

- Design and architecture
- Implementation plan

Results

- Statewide architecture

3. Build



Enabling Technologies

- Portal: SharePoint
- Enterprise Service Bus: BizTalk
- Workflow: Fusion Core Solution
- Mapping: ESRI

Key Activities

- 5 data exchanges
- Setup of portal environment

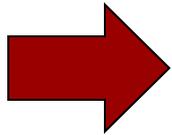
Results

- Proof-of-concept/ foundational system installed



Topics

- **Public Safety Interoperability Overview**



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Why now

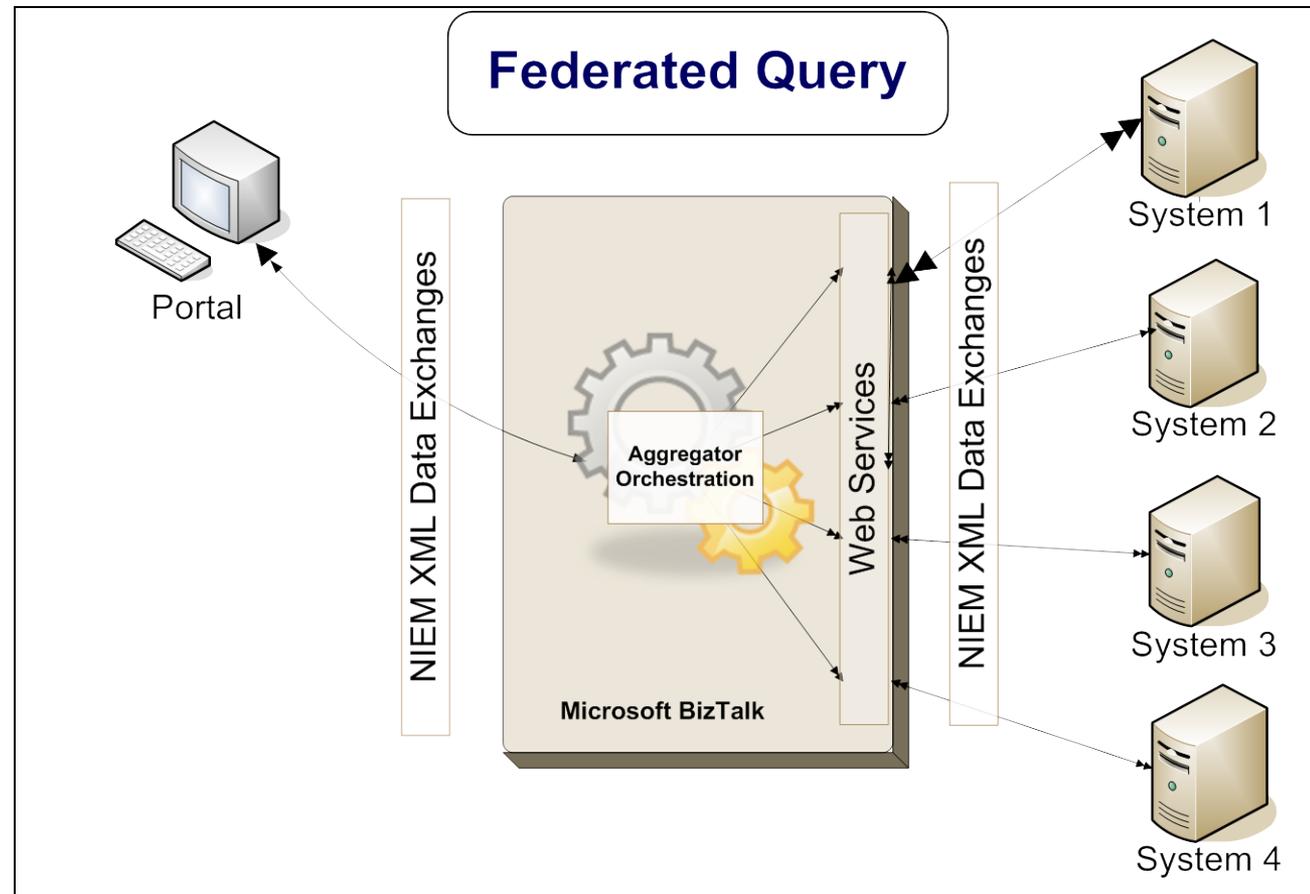
- Prior focus has been on voice interoperability, recent trends are moving toward data interoperability

- Role of Communications
 - Old
 - In through phone lines, out through radio
 - New
 - Sensors gathering data, cameras, computers in police cars, text messages, cell phone text, audio, video, text messaging, and more

- Challenge will be how to integrate digital information in disparate formats using well defined, highly repeatable business processes

Data Interoperability in Action – One Example

- Officer conducts a **routine traffic stop**
- Driver does not have identification
- Officer seeks to **establish positive ID**
- Officer conducts a **search in the portal across multiple systems** using common identifiers (name, DOB)
- Officer finds a DOC intake photo, BMV photo, court case record and a marriage license to help establish positive identification, and also notices a protective order





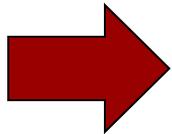
Additional Examples

- Multimedia Information to Mobile (video, photo, audio)
- Next Generation 9-1-1 (NG9-1-1) Information to CAD
- Incident Notifications via Telematics (crash, disabled vehicle, etc.)
- Gunshot Location Event
- Call Information to Text Enabled Devices (PDAs, pagers, cell phones)

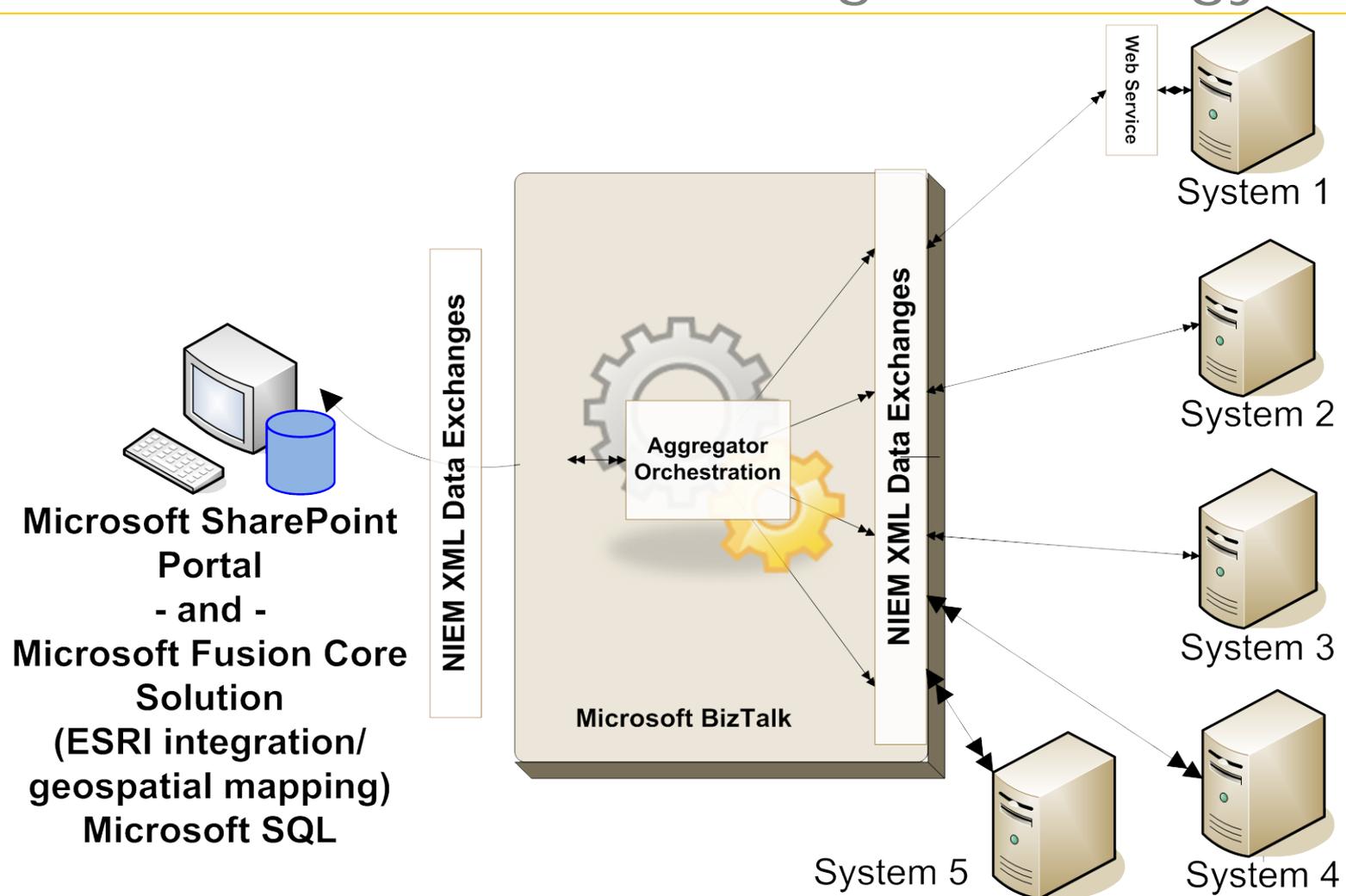


Topics

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Solution Overview - Enabling Technology

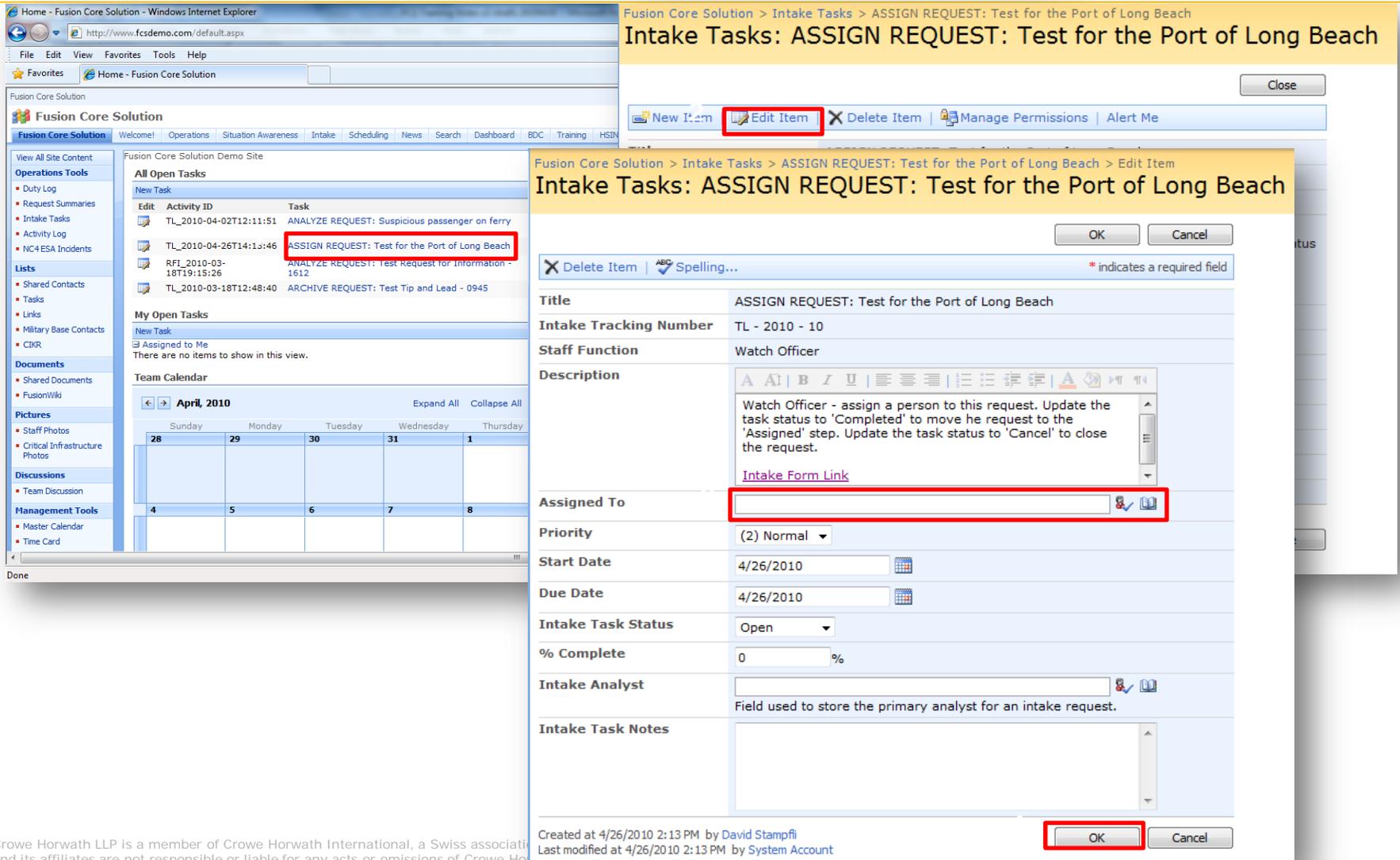


Why Fusion Core – 8 Key Capabilities



- Managed intake
- Configurable workflow
- Enterprise search
- Integrated situation awareness
- Analyst collaboration
- External systems connectivity
- Robust security
- Management of operations

Forms Driven for Intake / Analysis

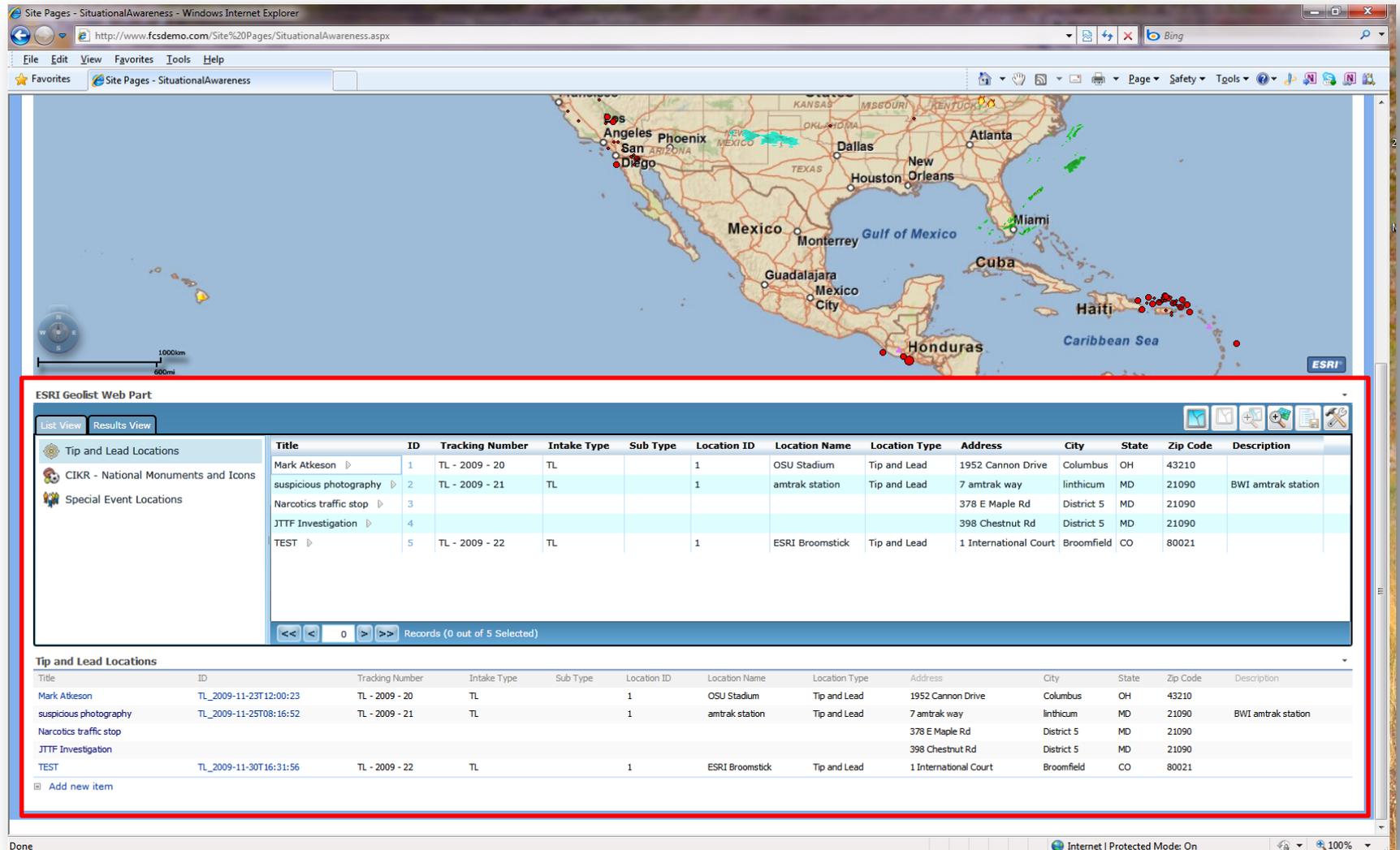


The screenshot displays the Fusion Core Solution web application interface. The main window shows a list of tasks under 'All Open Tasks'. One task, 'ASSIGN REQUEST: Test for the Port of Long Beach', is highlighted with a red box. An 'Edit Item' form is open over this task, also with a red box around the 'Edit Item' button in the toolbar. The form contains the following fields:

- Title:** ASSIGN REQUEST: Test for the Port of Long Beach
- Intake Tracking Number:** TL - 2010 - 10
- Staff Function:** Watch Officer
- Description:** Watch Officer - assign a person to this request. Update the task status to 'Completed' to move the request to the 'Assigned' step. Update the task status to 'Cancel' to close the request. [Intake Form Link](#)
- Assigned To:** [Redacted field]
- Priority:** (2) Normal
- Start Date:** 4/26/2010
- Due Date:** 4/26/2010
- Intake Task Status:** Open
- % Complete:** 0 %
- Intake Analyst:** [Redacted field]
- Intake Task Notes:** [Empty text area]

At the bottom of the form, it shows 'Created at 4/26/2010 2:13 PM by David Stampfli' and 'Last modified at 4/26/2010 2:13 PM by System Account'. The 'OK' button is highlighted with a red box.

Integrated mapping with information



Site Pages - SituationalAwareness - Windows Internet Explorer
 http://www.fcsdemo.com/Site%20Pages/SituationalAwareness.aspx

ESRI Geolist Web Part

List View Results View

Title	ID	Tracking Number	Intake Type	Sub Type	Location ID	Location Name	Location Type	Address	City	State	Zip Code	Description
Mark Atkeson	1	TL - 2009 - 20	TL		1	OSU Stadium	Tip and Lead	1952 Cannon Drive	Columbus	OH	43210	
suspicious photography	2	TL - 2009 - 21	TL		1	amtrak station	Tip and Lead	7 amtrak way	linthicum	MD	21090	BWI amtrak station
Narcotics traffic stop	3							378 E Maple Rd	District 5	MD	21090	
JTTF Investigation	4							398 Chestnut Rd	District 5	MD	21090	
TEST	5	TL - 2009 - 22	TL		1	ESRI Broomstick	Tip and Lead	1 International Court	Broomfield	CO	80021	

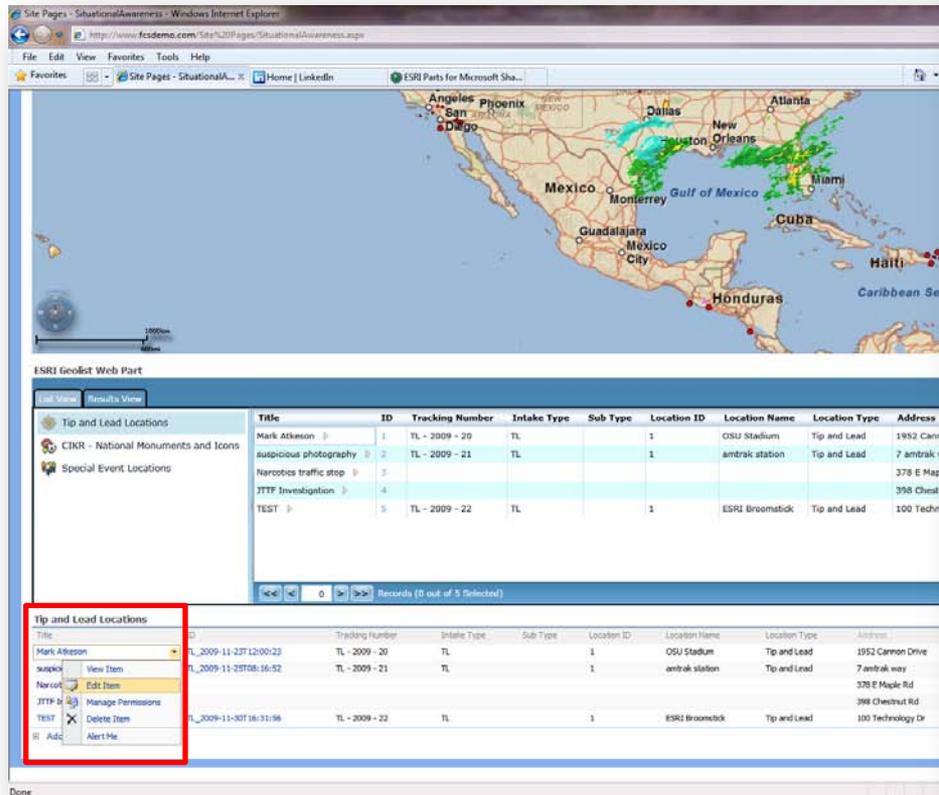
Records (0 out of 5 Selected)

Tip and Lead Locations

Title	ID	Tracking Number	Intake Type	Sub Type	Location ID	Location Name	Location Type	Address	City	State	Zip Code	Description
Mark Atkeson	TL_2009-11-23T12:00:23	TL - 2009 - 20	TL		1	OSU Stadium	Tip and Lead	1952 Cannon Drive	Columbus	OH	43210	
suspicious photography	TL_2009-11-25T08:16:52	TL - 2009 - 21	TL		1	amtrak station	Tip and Lead	7 amtrak way	linthicum	MD	21090	BWI amtrak station
Narcotics traffic stop								378 E Maple Rd	District 5	MD	21090	
JTTF Investigation								398 Chestnut Rd	District 5	MD	21090	
TEST	TL_2009-11-30T16:31:56	TL - 2009 - 22	TL		1	ESRI Broomstick	Tip and Lead	1 International Court	Broomfield	CO	80021	

Add new item

Focus in on a specific location



ESRI Geolot Web Part

Title	ID	Tracking Number	Intake Type	Sub Type	Location ID	Location Name	Location Type	Address
Mark Atkeson	1	TL - 2009 - 20	TL		1	OSU Stadium	Tip and Lead	1952 Cannon Drive
suspicious photography	2	TL - 2009 - 21	TL		1	amtrak station	Tip and Lead	7 amtrak way
Narrows traffic stop	3							378 E Maple Rd
JTTF Investigation	4							398 Chestnut Rd
TEST	5	TL - 2009 - 22	TL		1	ESRI Broomstick	Tip and Lead	100 Technology Dr

Fusion Core Solution > Tip and Lead Locations > Mark Atkeson > Edit Item

Tip and Lead Locations: Mark Atkeson

OK Cancel

Delete Item | Spelling... * indicates a required field

Title • Mark Atkeson

ID Type the Web address: (Click here to test)
 Http://www.fcademo.com/Tip%20and%20Lead%20Requests/TL_2009
 Type the description:
 TL_2009-11-23T12:00:23

Tracking Number TL - 2009 - 20

Intake Type TL

Sub Type

Location ID 1

Location Name OSU Stadium

Location Type Tip and Lead

Description

Address 1952 Cannon Drive

City Columbus

State OH

Zip Code 43210

Location Helper

Fix Location

ShapeX -83.02082966

ShapeY 40.003042492

Address Match Quality 100%

Created at 11/23/2009 12:00 PM by System Account

OK Cancel

Questions

**Data interoperability/
integration is about**

people, not technology. It is about getting people to fundamentally shift not only the way they do business, but the way that they think. It is about getting people to shift from the paradigm that “Information is Power” to “**Information from Multiple Sources is Power**”.

