

Federal GIS Conference

February 9–10, 2015 | Washington, DC



Integrating with your Enterprise Systems: Technical Implementation

Marcella Cavallaro - Esri

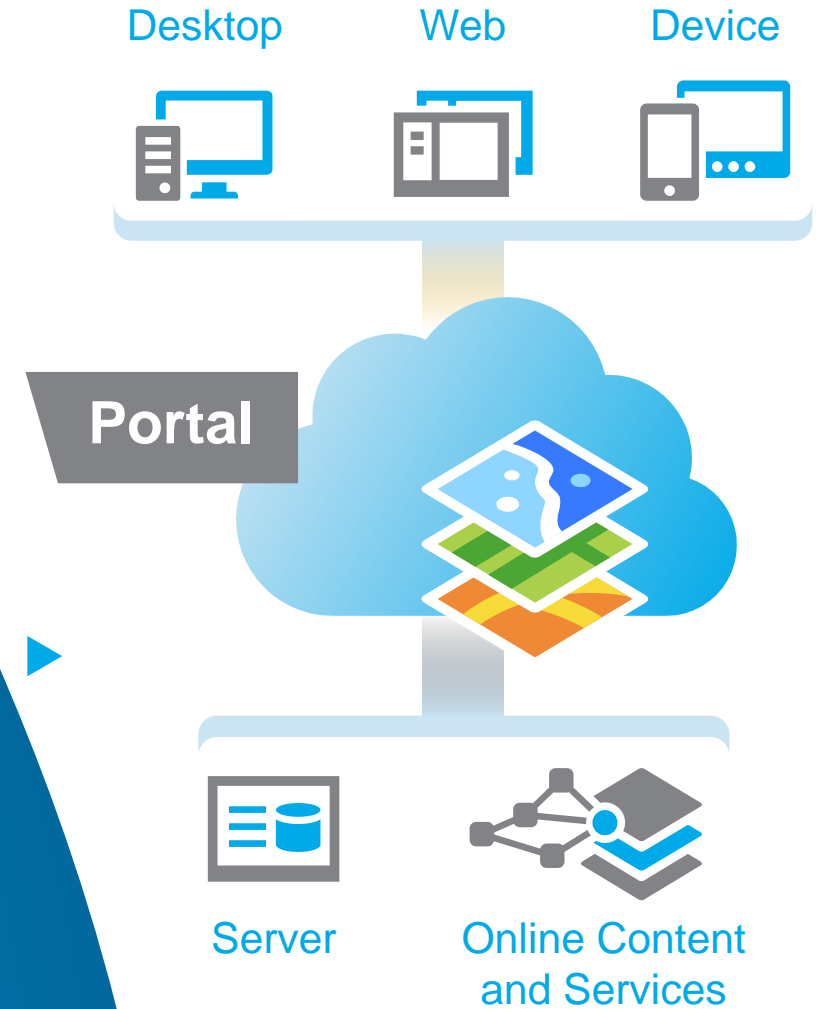
Lindsey Hays – Esri

Joseph Schultz - CBeyonddata

ArcGIS

An Integrated
Web GIS Platform

Providing mapping, analysis, data
management, and collaboration



Excel Dashboard Overview

Project Portfolio Summary:

Dept.	City	Co.	ORG	Date	Proj. #	Project Description
Des Moines	Des Moines	Pulk	0217	03-01	1100	1000 E. Grand, Window Study
OCA	Des Moines	Pulk	0217	03-01	1202	Historical Bridge Decking
Des Moines	Des Moines	Pulk	0003	03-01	1300	Heat Fuel Station Installation
OCA	Des Moines	Pulk	0217	03-01	5115	Historical Bridge, Straight Repair
IWD	Des Moines	Pulk	0217	03-09	5717	1000 E. Grand, Asb. - 2A/2B
IWD	Des Moines	Pulk	0221	03-09	5718	1000 E. Grand, Security Project Billing
IWD	Des Moines	Pulk	0217	03-01	5720	Teklogis Study
IWD	Des Moines	Pulk	0217	03-01	5724	1000 E. Grand, Window Replacement
DAS	Des Moines	Pulk	0141	03-08	1089	Garage Bldg, Entrance Doors
DAS	Des Moines	Pulk	03-07	1180	Public Safety Bldg - Purchased	
DAS	Des Moines	Pulk	03-07	1182	West Capital Renovation - Phase 1, Punched	
DAS	Des Moines	Pulk	0217	03-01	1234	West Capital Renovation - Phase 2
DAS	Des Moines	Pulk	0217	03-01	1234	Garage Floor Replacement
DAS	Des Moines	Pulk	0141	03-01	1242	Parking Lot Improvements - Lot 12, 21
DAS	Des Moines	Pulk	1278	03-01	1242	Cap. Complex Parking Lot Improv.
DAS	Des Moines	Pulk	0141	03-01	1242	1700 E. Lotus 4, 2, 3, 5, 200

Regional Sales Summary:

Region	Sales
West	1,718,238
South	534,309
Midwest	1,009,246
East	900,431
Total	4,162,244

Category Sales Summary:

Category	Sales
Construction	64,283
Manufacturing	32,048
Transportation	83,026
Healthcare	90,033
Education	50,016
Government	119,149
Non-Profit	206,091
Retail	151,148
Energy	253,290
Finance	392,776
Technology	235,654
Telecommunications	42,247
Other	18,240
Total	1,335,785

Category Breakdown (Pie Chart):

Revenue Billing Summary:

Client	Revenue	Balance
ABC Company	100,000	50,000
DEF Corp	200,000	100,000
GHI LLC	150,000	75,000
JKL Inc	300,000	150,000
MNO Partners	250,000	125,000
Total	1,000,000	500,000

Financial Performance Metrics:

Metric	Value
Profit and Loss	123,456,789
Gross Margin	0.75
Return on Assets	15.2%
Current Ratio	1.5
Debt to Equity	0.8

Operational Metrics:

Product Line	Revenue	Profit	Change
Product A	1,000,000	200,000	+10%
Product B	800,000	150,000	-5%
Product C	1,200,000	250,000	+15%
Total	3,000,000	600,000	+8%

Customer Segments:

Segment	Revenue	Profit
Segment 1	1,500,000	300,000
Segment 2	1,000,000	200,000
Segment 3	500,000	100,000
Total	3,000,000	600,000

Key Performance Indicators (KPIs):

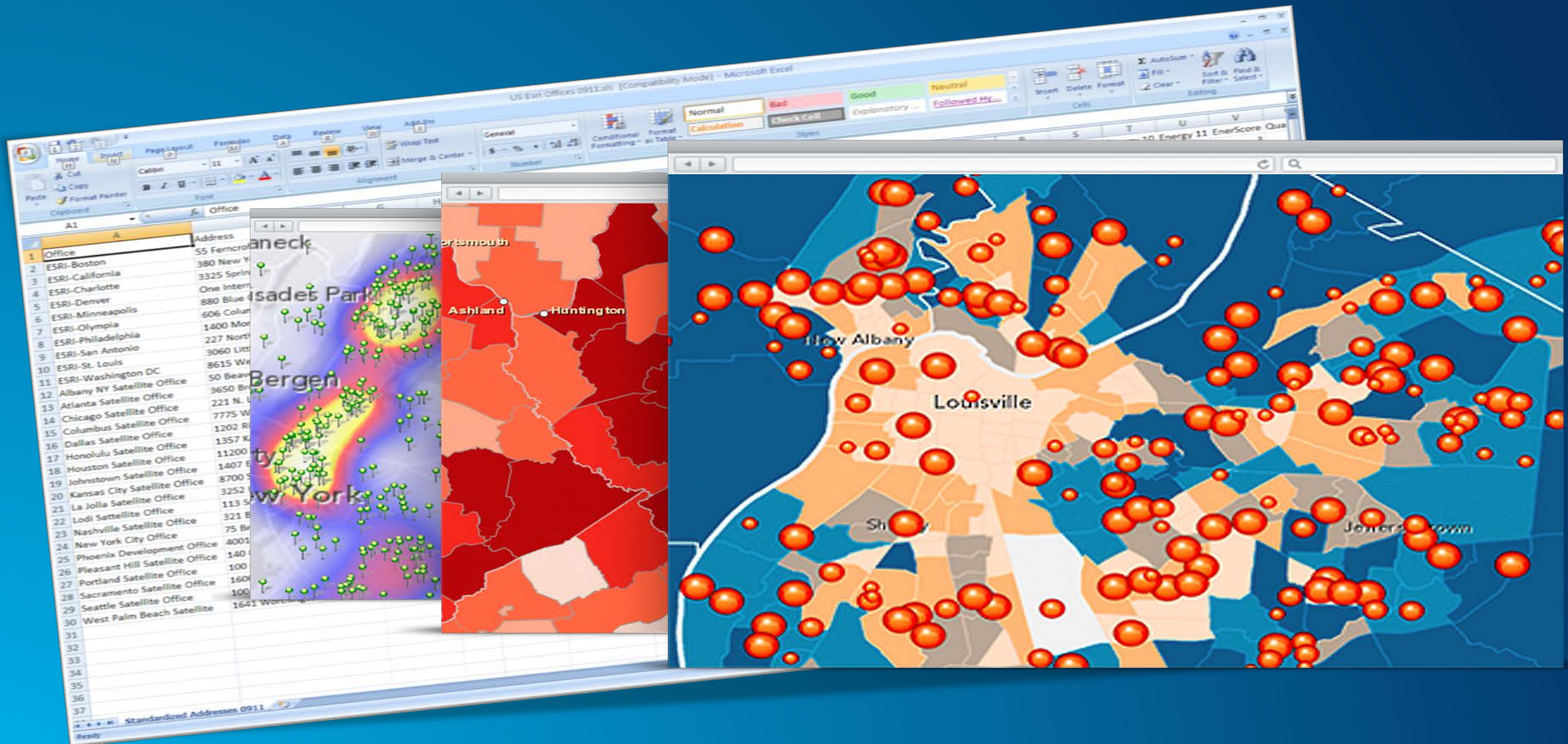
- Revenue Growth: +12%
- Customer Retention: 95%
- Operational Efficiency: 88%
- Financial Stability: 92%

Business Process Flow:

Comparative Report:

Period	Actual	Target	Variance
Q1 2023	1,200,000	1,100,000	+100,000
Q2 2023	1,300,000	1,200,000	+100,000
Q3 2023	1,400,000	1,300,000	+100,000
Q4 2023	1,500,000	1,400,000	+100,000
Total	5,400,000	5,000,000	+400,000

Does this look familiar?



Remove the analytic blind spot

ESRI Maps for SAP BusinessObjects integration Proof of Concept

Joe Schultz



Seeing information beyond your data.

**ESRI MAPS FOR SAP BUSINESSOBJECTS INTEGRATION
PROOF OF CONCEPT
FEBRUARY 11, 2014**

cBEYONData

Joseph W. Schultz

Joseph.Schultz@cBEYONData.com

www.cBEYONData.com

Corporate Overview

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cBEYONData is a Business Intelligence and Data Warehousing (BI/DW) professional services firm specializing in providing highly experienced consultants to implement customer solutions..



- Located in the Washington DC Area.
- Our team has been leading and performing solutions delivery together for over 20 years.
- SAP Business Objects –
 - Tier One Services Partner
 - NS2 Service Partner
 - Extended Business Partner
 - Certified Training Partner
- Our customers range from DOD and Federal Civilian clients to Health Care, Financial Services, Consumer Goods, & Energy.

ESRI Maps for SAP BusinessObjects

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● Introduction to Dashboards

- Dashboards is data visualization software that allows you to create and export interactive dashboards from Excel spreadsheets or other external data sources.
- These dashboards contain various components, such as charts, gauges, and dials, that are bound to data sources. The components display the data in a compact and visual manner.
- Data and supported Excel formulas can be imported or entered directly into the embedded spreadsheet and then modified as required.
- Dashboards includes the ability to link external data sources, such as data stored in SAP BusinessObjects Business Intelligence platform (the BI platform) repositories, directly to the embedded spreadsheet or components in the model.

ESRI Maps for SAP BusinessObjects

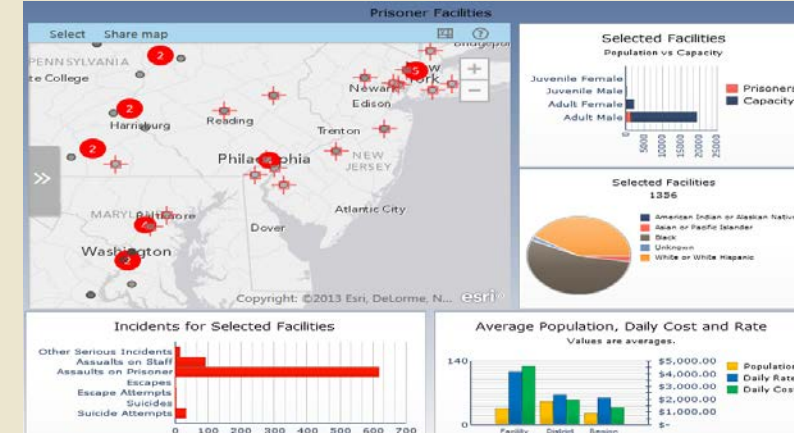
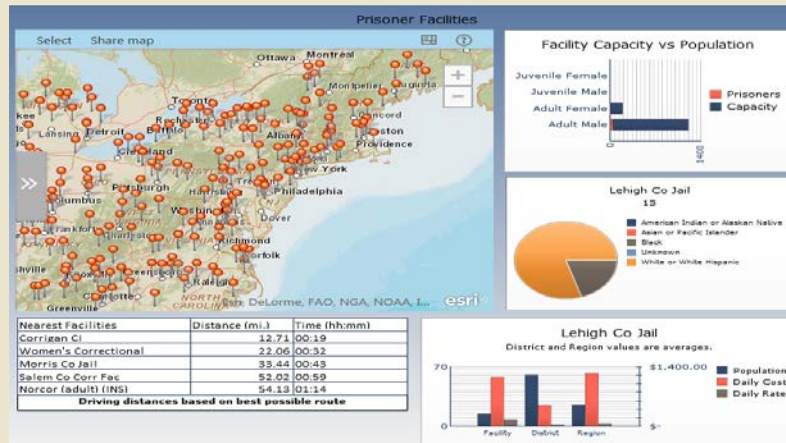
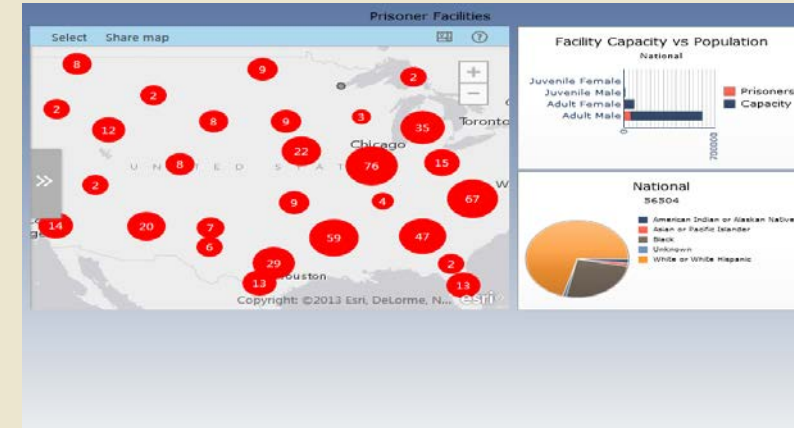
9

- The business case for Government Agency: closest facilities to selected location in the event of emergency such as severe weather, to move personnel.
- Display business and personnel data related to facilities.
- Agency provided data for facilities, including locations, demographics and costs.
- Agency provided addresses for 2400+ facilities. For the intent of the proof of concept, 600 facilities with supporting data were mapped. The initial 2400+ facilities were mapped successfully during development.

ESRI SAP Dashboard Proof of Concept

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- Demo



ESRI Proof of Concept

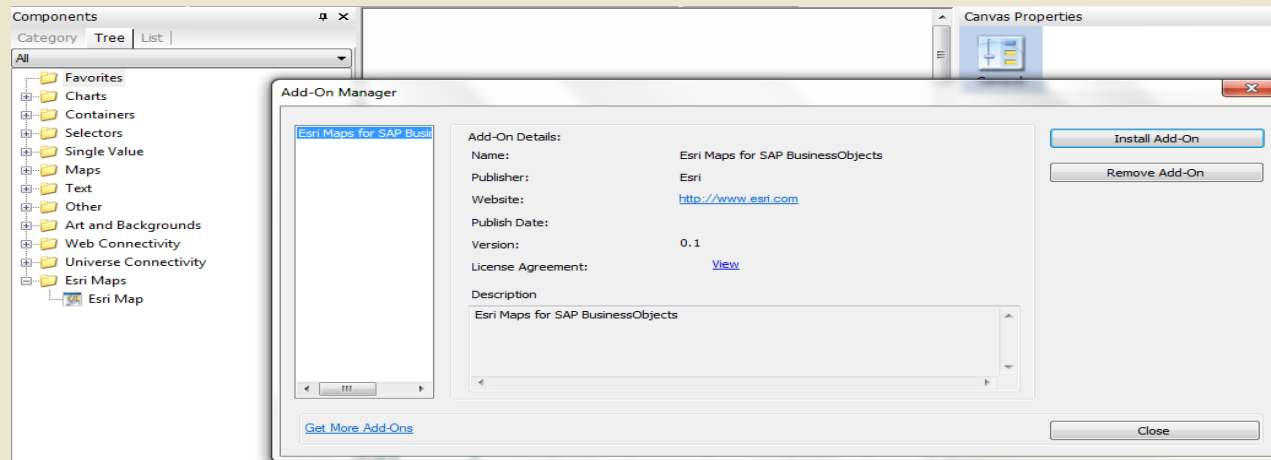
11

- Dashboard Add-on from ESRI – configure Web Server (Apache Tomcat) to connect to ESRI ArcView Online.
- Geocode data prior to mapping in ESRI component in Dashboard Designer.
- Publish Dashboard in SAP BI portal to view, Dashboard Preview does not render ESRI map component.

ESRI SAP Dashboard Proof of Concept

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- Install ESRI Maps for SAP Business Objects Add-On to Dashboard Designer on developer's computer.
- ESRI Maps component is available in component list.



ESRI SAP Dashboard Proof of Concept

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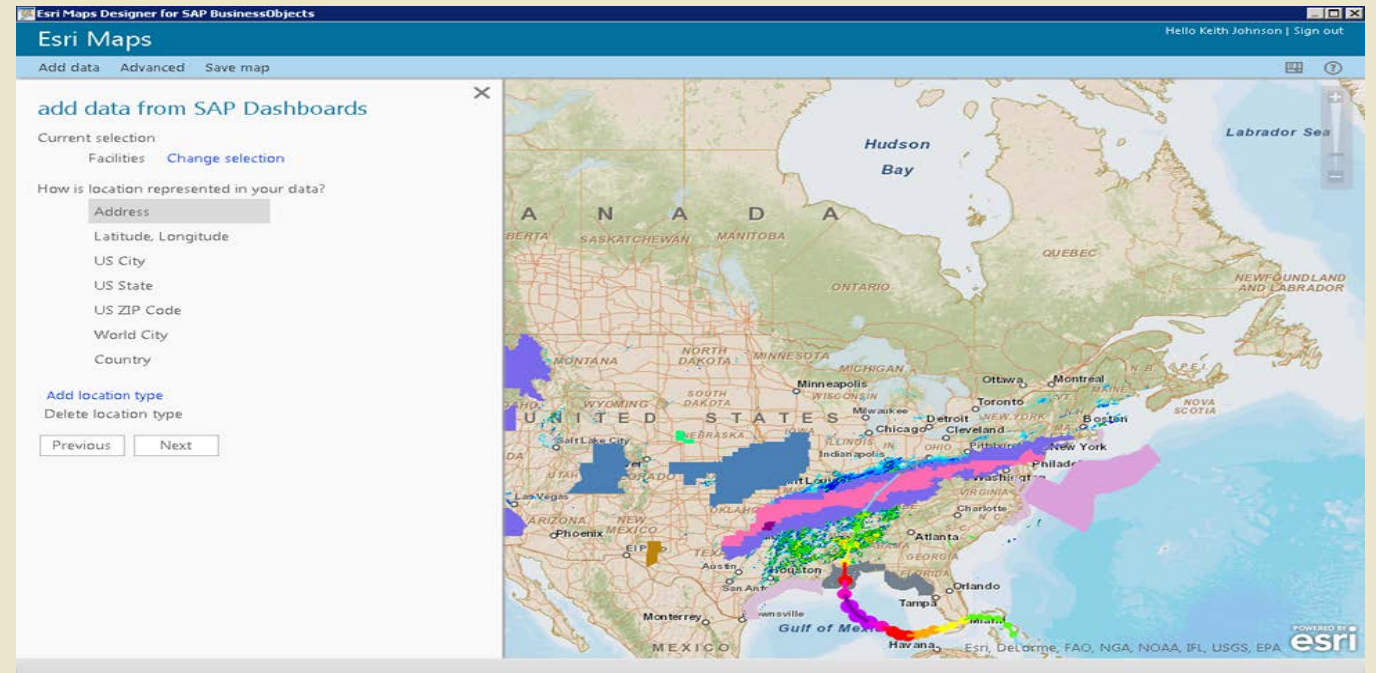
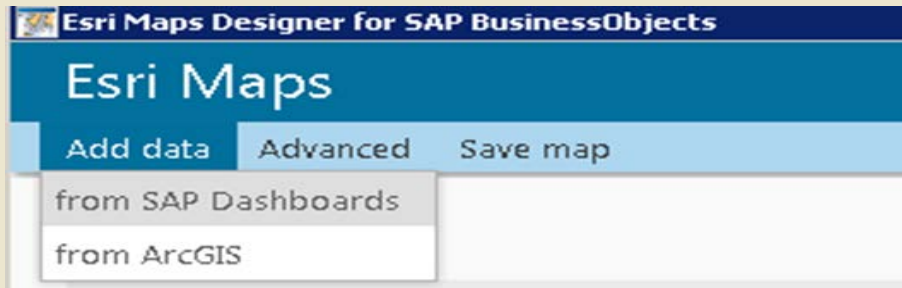
The screenshot displays a web-based dashboard interface. On the left, a map titled "Esri Map" is shown, featuring a grid and several grey circular markers. The map is part of a larger component labeled "USMS" in the top right corner, which also includes a "UNITED STATES MARSHAL" logo. On the right side, a configuration panel for "Esri Map 1" is visible. This panel has three tabs: "General", "Insertion", and "Behavior". Under the "General" tab, there is a "Data Sources" section. It contains a list box labeled "Facilities" which is currently empty. To the right of this list are two input fields: "Source Name:" and "Source Data:". Below the "Facilities" list are two small buttons, a plus sign (+) and a minus sign (-). At the bottom of the configuration panel is a button labeled "Launch Esri Maps Designer".

- Add ESRI Maps component to canvas
- Add Data source – query data or spreadsheet.

ESRI SAP Dashboard Proof of Concept

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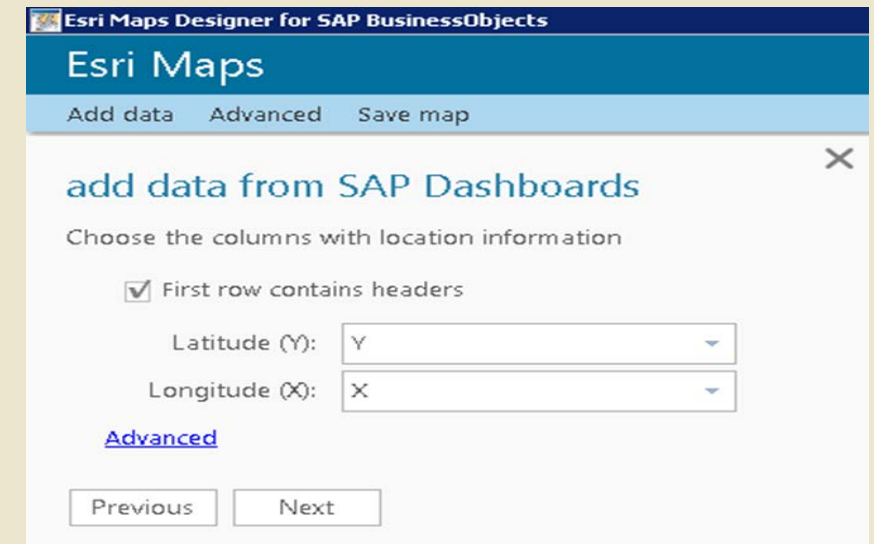
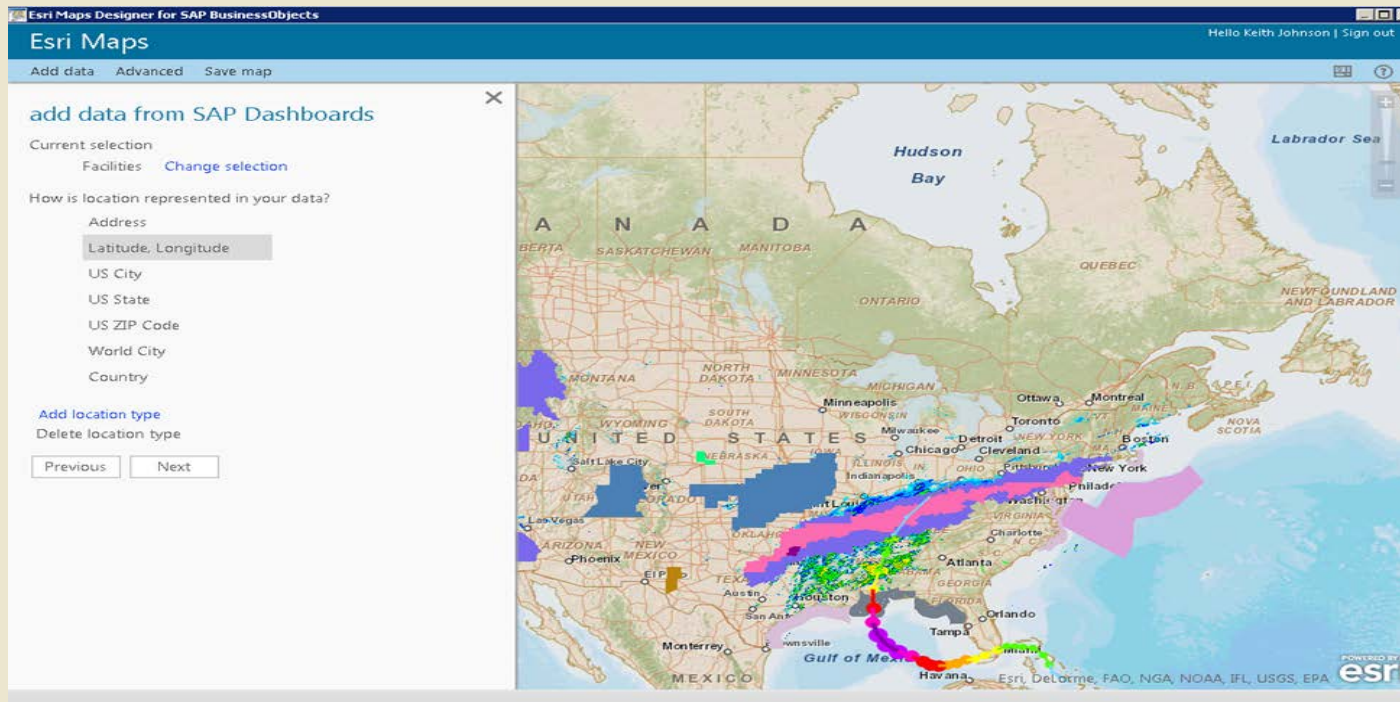
- Launch the ESRI Map Designer from within the Component Properties
- Add the data from the Dashboard:



ESRI SAP Dashboard Proof of Concept

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- Select how the location data is represented – Address, Latitude and Longitude, City, Country.



ESRI SAP Dashboard Proof of Concept

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- Select columns to include on map, including data to be presented on the map pop up.
- Name the layer
- Check the zoom to layer, map will show all data points that were mapped when layer is opened.

The screenshot shows the 'Esri Maps Designer for SAP BusinessObjects' interface. A dialog box titled 'add data from SAP Dashboards' is open, allowing the user to select columns to add to the map. The dialog has a close button (X) in the top right corner. Below the title, it says 'Choose the columns to add'. There is a table with two columns: 'Column' and 'Format'. All columns listed are checked. The 'Layer name' field is set to 'Facilities', and the 'Zoom to layer' checkbox is checked. At the bottom, there are 'Previous' and 'Add data to map' buttons.

Column	Format
<input checked="" type="checkbox"/> Facility Code:	Text
<input checked="" type="checkbox"/> Facility Name:	Text
<input checked="" type="checkbox"/> Address:	Text
<input checked="" type="checkbox"/> City:	Text
<input checked="" type="checkbox"/> State:	Text
<input checked="" type="checkbox"/> Zip:	Text
<input checked="" type="checkbox"/> Facility Type:	Text
<input checked="" type="checkbox"/> Geographic District Name:	Text
<input checked="" type="checkbox"/> Region:	Text
<input checked="" type="checkbox"/> X:	Text
<input checked="" type="checkbox"/> Y:	Text
<input checked="" type="checkbox"/> Link with parameter:	Text

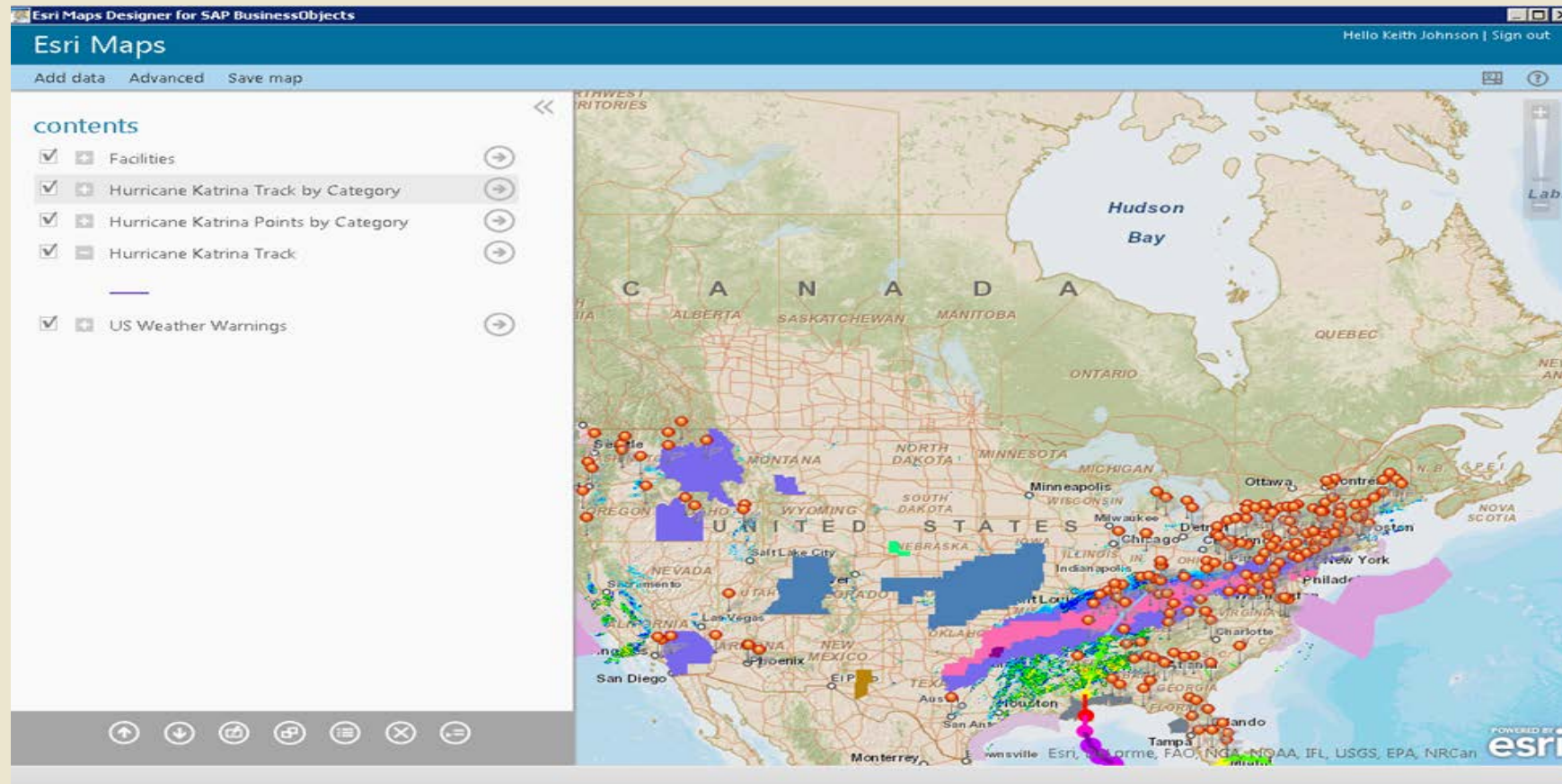
Layer name:

Zoom to layer

ESRI SAP Dashboard Proof of Concept

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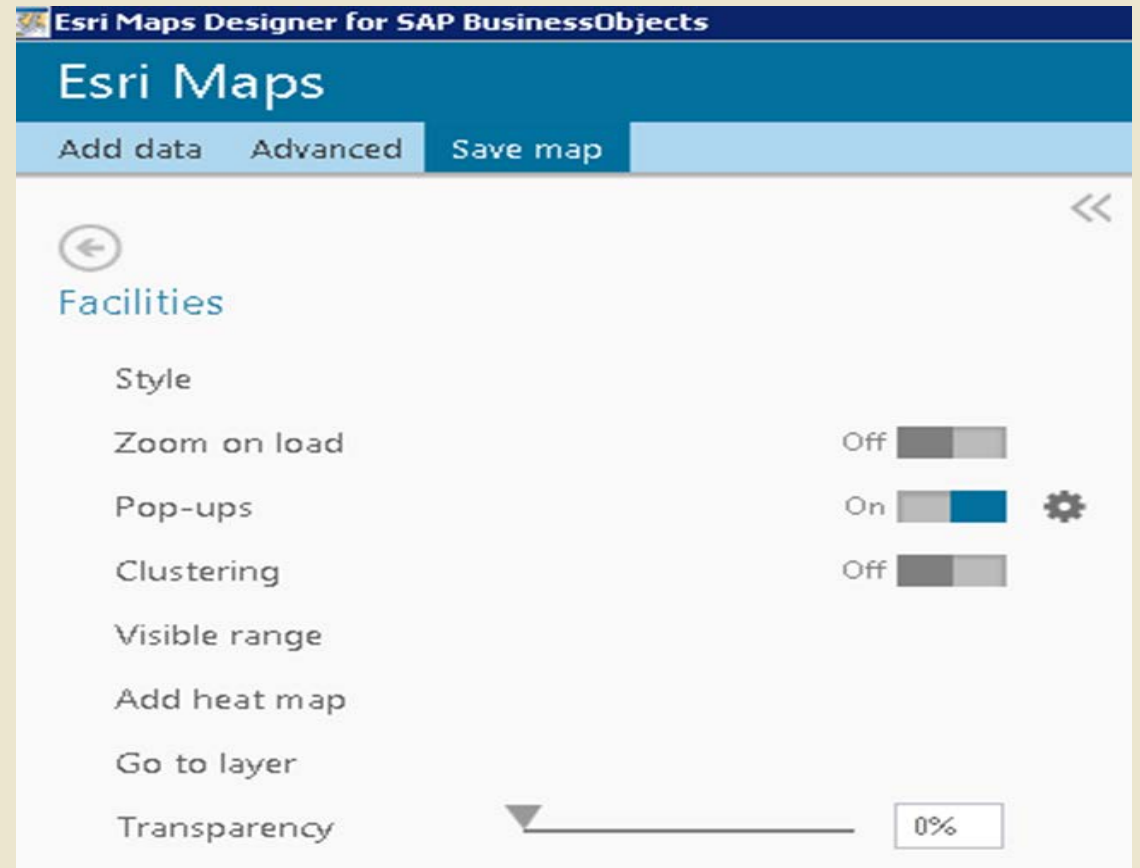
Configured POC map with added layers from ESRI content.



ESRI SAP Dashboard Proof of Concept

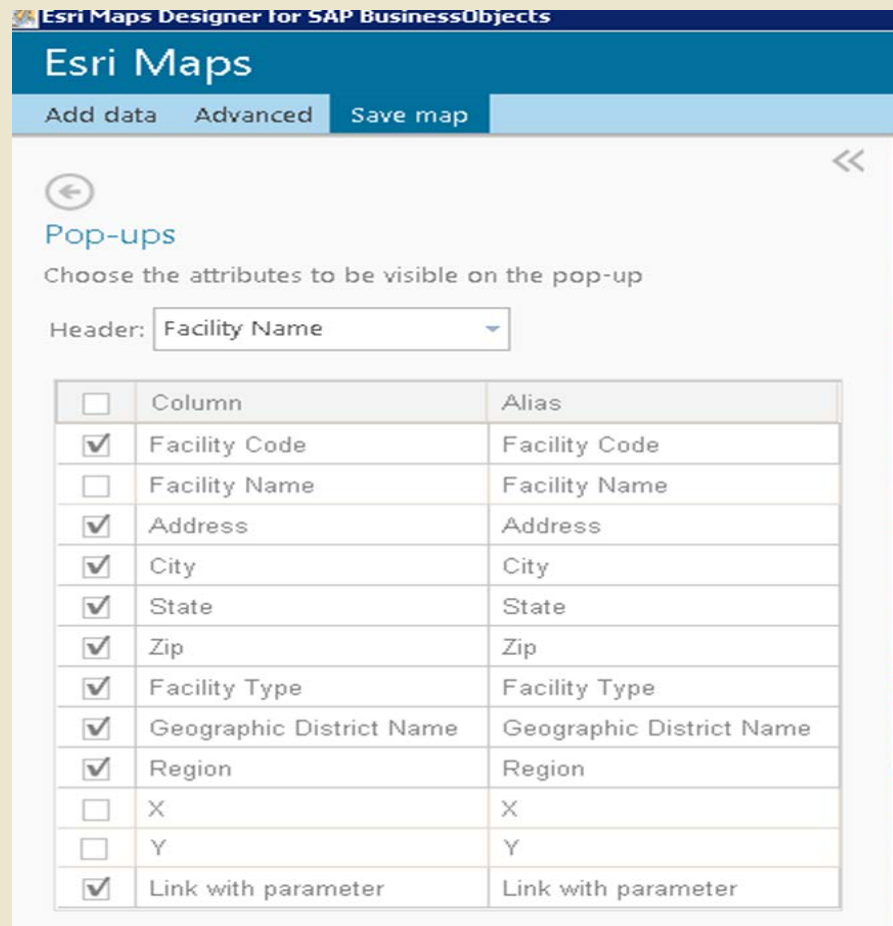
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- Options for configuring layer:
 - Style
 - Zoom on load
 - Pop-ups
 - Clustering
 - Visible Range
 - Transparency



ESRI SAP Dashboard Proof of Concept

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Esri Maps Designer for SAP BusinessObjects

Esri Maps

Add data Advanced Save map

Pop-ups

Choose the attributes to be visible on the pop-up

Header: Facility Name

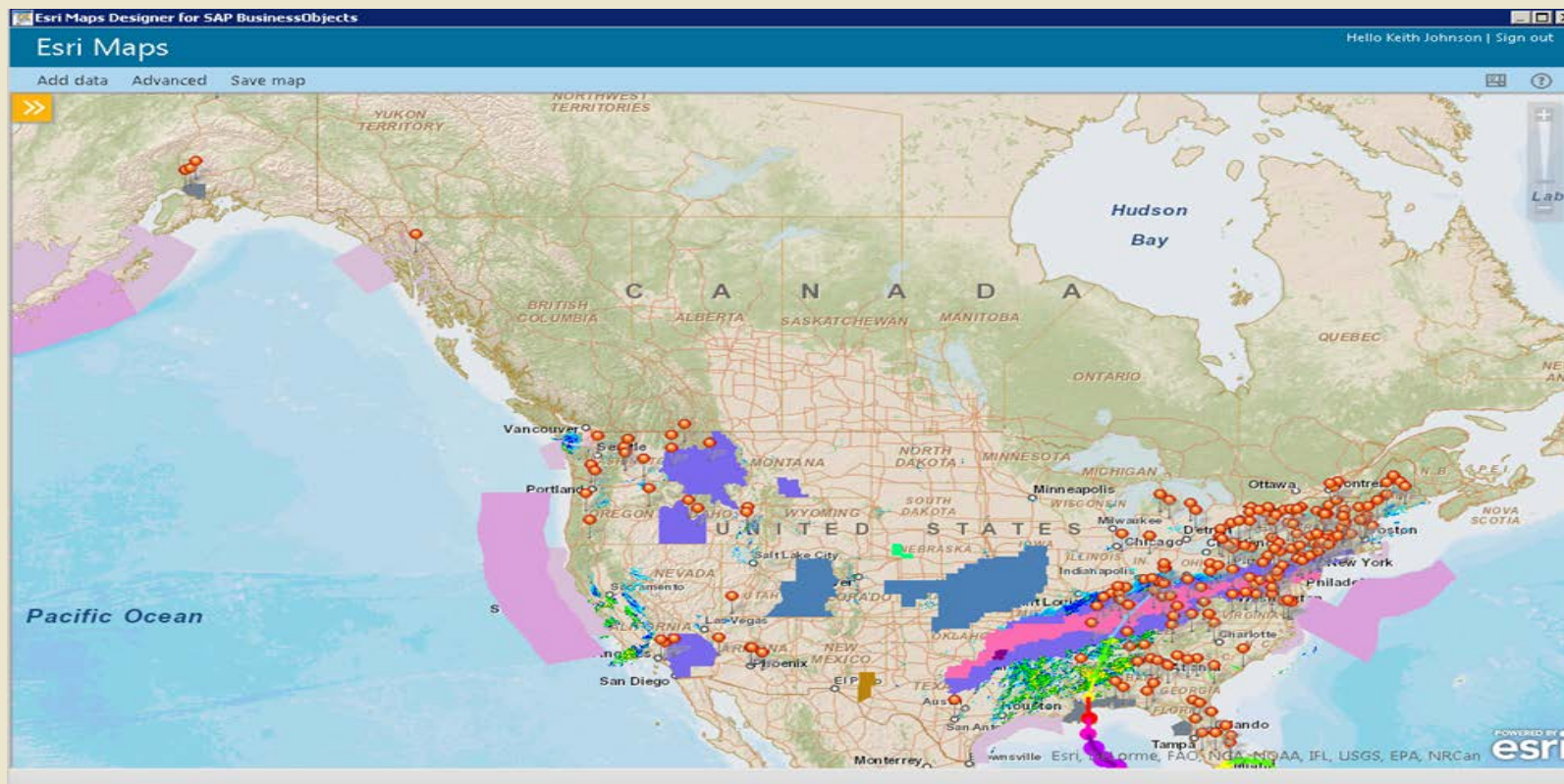
<input type="checkbox"/>	Column	Alias
<input checked="" type="checkbox"/>	Facility Code	Facility Code
<input type="checkbox"/>	Facility Name	Facility Name
<input checked="" type="checkbox"/>	Address	Address
<input checked="" type="checkbox"/>	City	City
<input checked="" type="checkbox"/>	State	State
<input checked="" type="checkbox"/>	Zip	Zip
<input checked="" type="checkbox"/>	Facility Type	Facility Type
<input checked="" type="checkbox"/>	Geographic District Name	Geographic District Name
<input checked="" type="checkbox"/>	Region	Region
<input type="checkbox"/>	X	X
<input type="checkbox"/>	Y	Y
<input checked="" type="checkbox"/>	Link with parameter	Link with parameter

- Configure Pop-up to display data
- Pop-up can display HTML
- Header can display any available field

ESRI SAP Dashboard Proof of Concept

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- ESRI Map Designer with query data mapped – sample set displayed with three ESRI layers

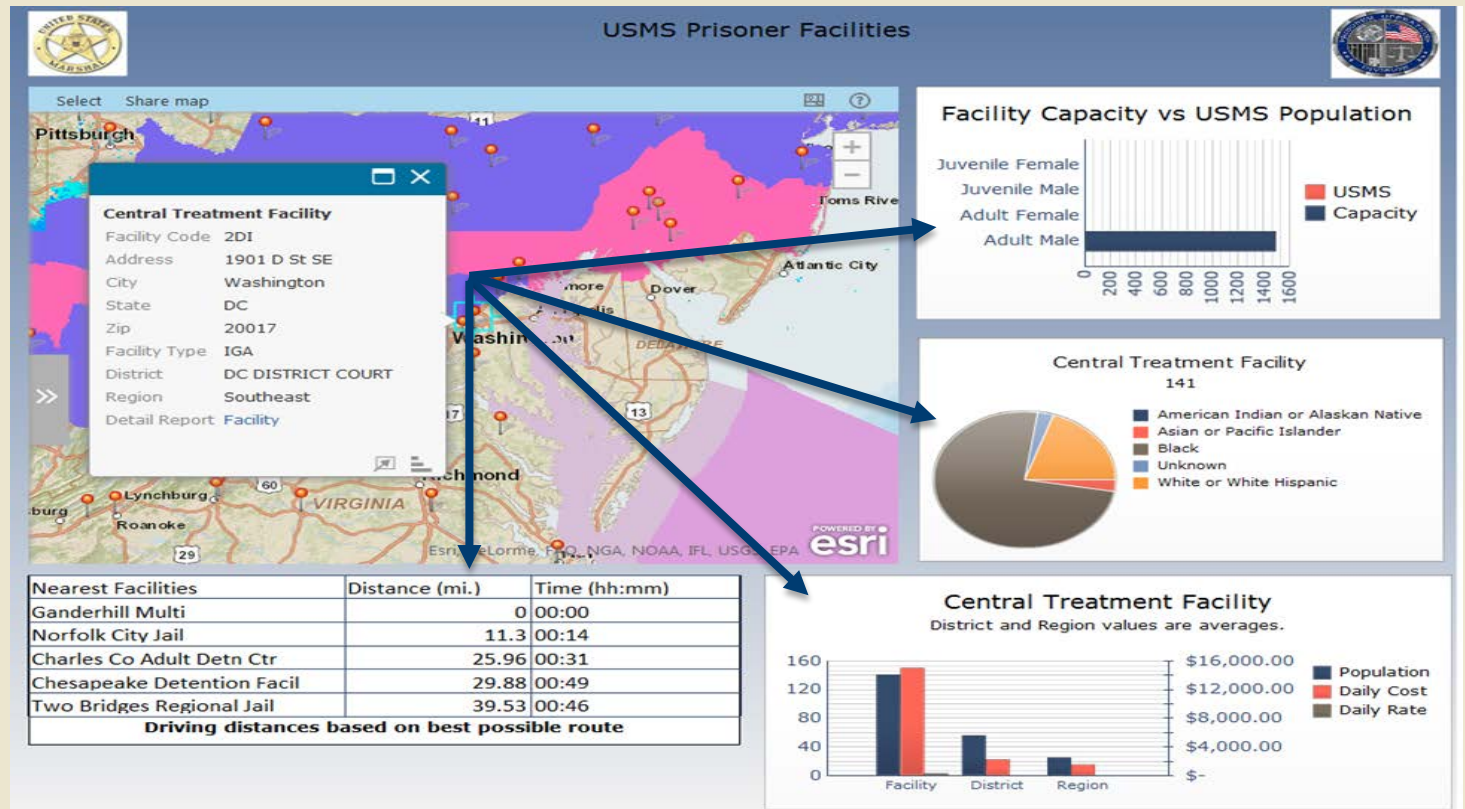


ESRI SAP Dashboard Proof of Concept

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The Map can pass data back to Dashboard when a point is selected. The data can be used by other components or as a query prompt response.

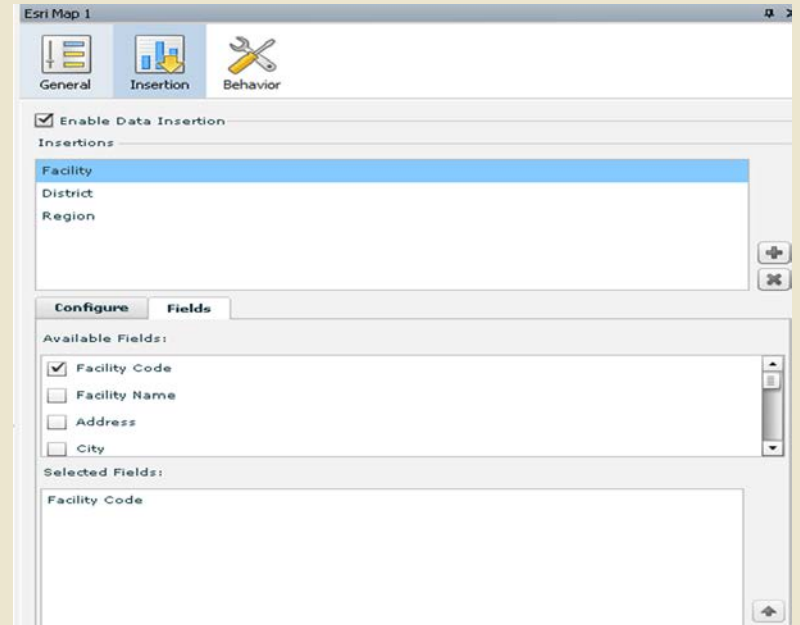
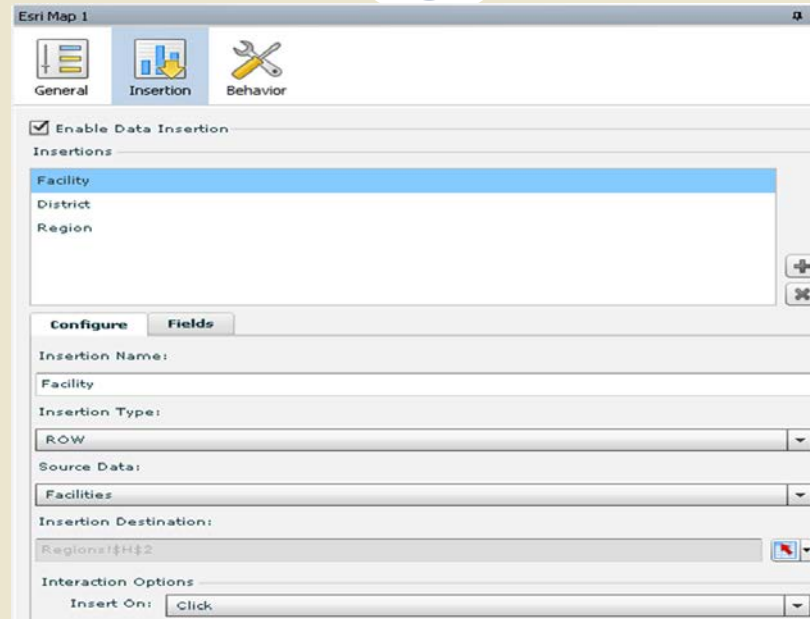
The selected Facility value is passed back to the dashboard. The value is passed to multiple queries as a prompt response. The data returned from the additional queries is used to populate components with detailed information about the facility.



ESRI SAP Dashboard Proof of Concept

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- Configure Insertion component:
 - Add Field to be inserted
 - Select Name, Insertion Type, Source Data, Insertion Destination and Insert on Options



- Insertion Options:
 - Insert on Click, Mouse Over or Selection – insertions can be used for interaction in other components or passed as prompt values in Dashboard queries.


ESRI SAP Dashboard Proof of Concept

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- Questions?
- Thanks!

location-analytics.arcgis.com/en/maps-for-sap-bobj/

Location Analytics



Esri Maps for SAP BusinessObjects

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Get the app

Version: 2.0 Available: Fall 2014

Enrich your SAP models with live interactive maps, allowing dashboard consumers to analyze business data visually and interactively. Create maps that interact with other components in your dashboard, and combine published geographic data from ArcGIS with SAP BusinessObjects business data for richer analysis. Esri Maps for SAP BusinessObjects seamlessly integrates into the everyday workflows familiar to you and dashboard consumers, without the need for custom coding or GIS expertise. Dashboard consumers require no additional skills or tools to start using map-enabled reports to analyze their data visually; they can view, browse, query, and manipulate the maps in the dashboards using tools and actions that you configure.

GET ESRI MAPS FOR SAP BUSINESSOBJECTS

Get started

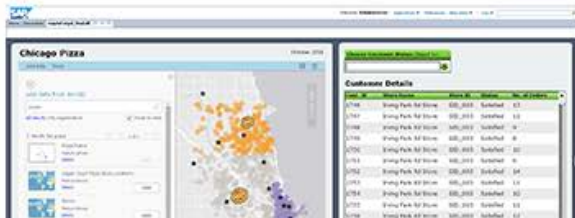
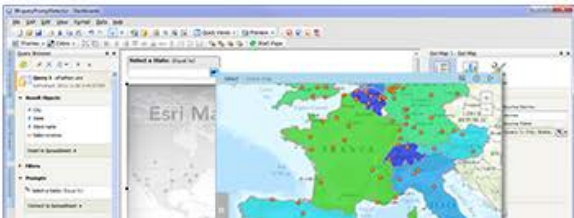
- What's new
- Supported environments
- Build a map-enabled dashboard
- Help for previous versions:
 - 1.0
- Watch Location Analytics videos

From our blog

Esri Maps for IBM Cognos 6.0.1 Released!

January 22, 2015

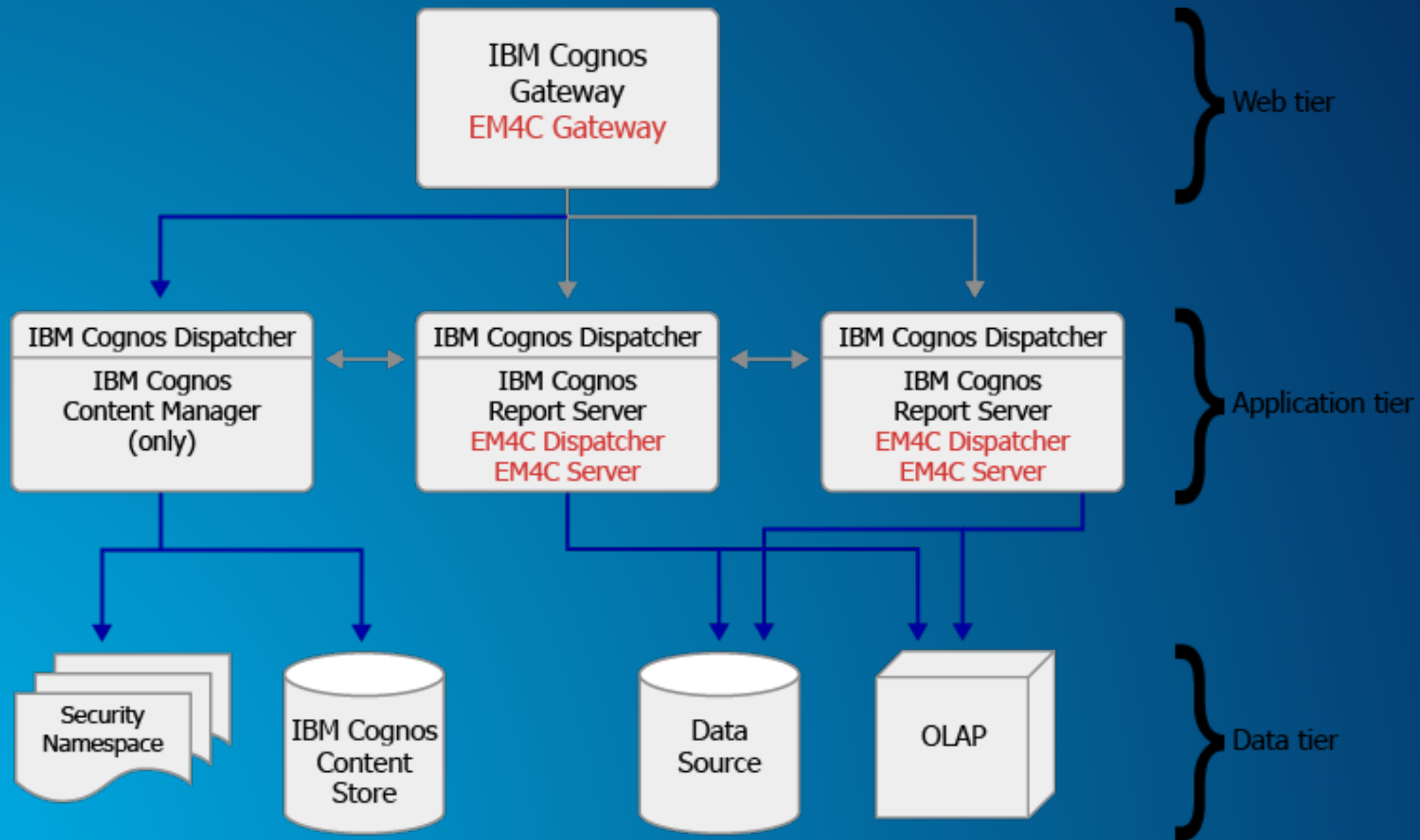
We are pleased to announce the release of Esri Maps for IBM Cognos 6.0.1. This release of Esri Maps for IBM



<http://location-analytics.arcgis.com/en/maps-for-sap-bobj/>

Esri Maps for IBM Cognos

Lindsey Hays



Flexibility ▶ Deploy ArcGIS on-premises, in public clouds (PaaS), and/or use Esri's cloud (SaaS)



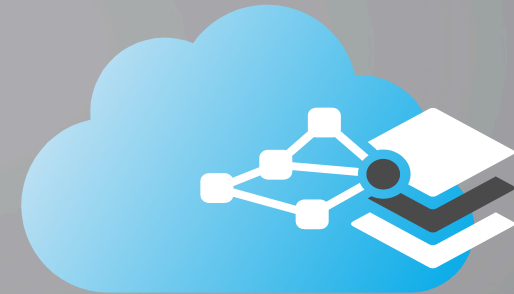
On-premises

Amazon EC2 Microsoft Azure



Public Cloud

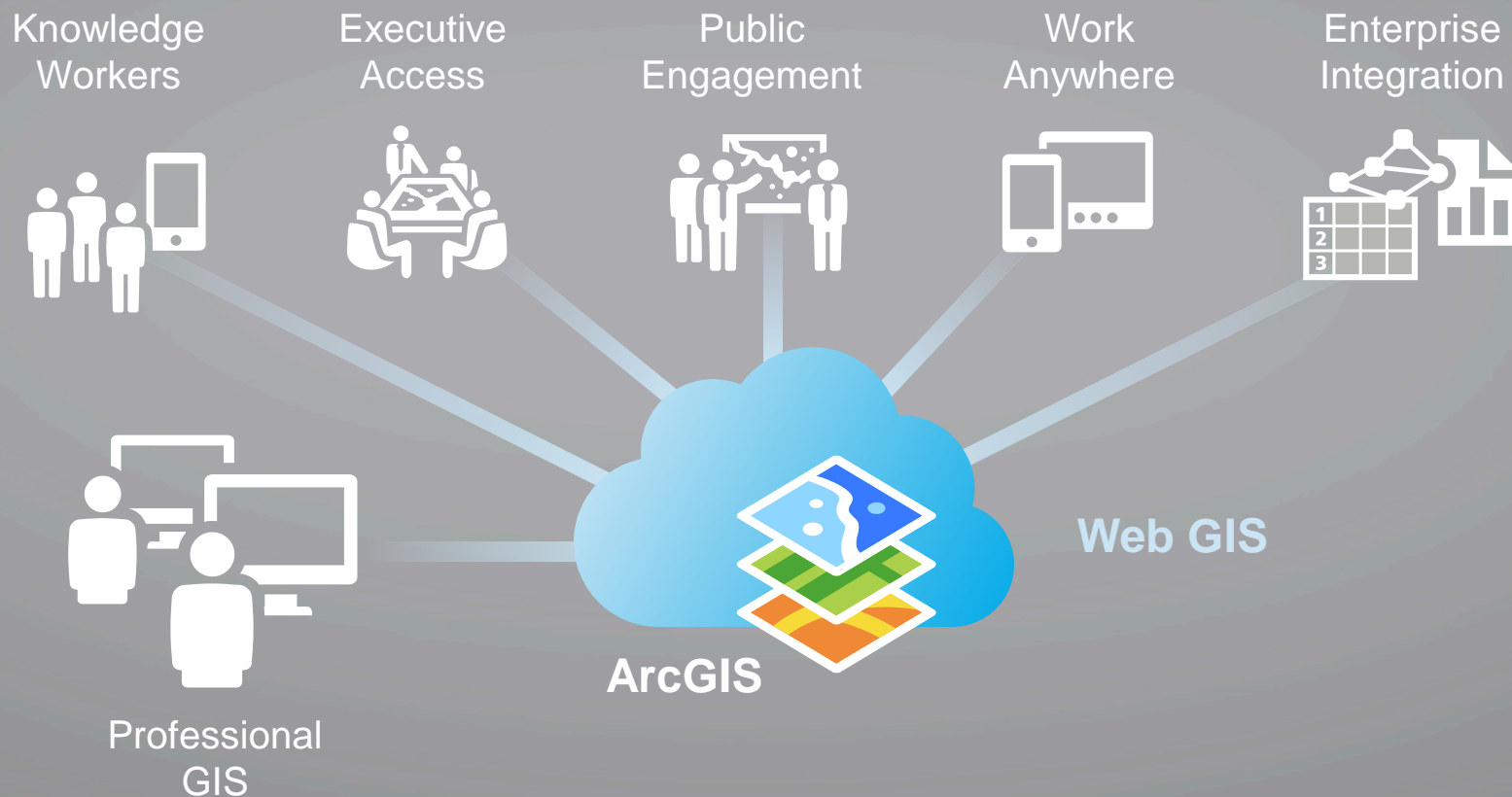
Esri



SaaS

ArcGIS is a Platform

► Making mapping and location aware apps available across your organization



- Ensure that location is included in your data set
- Create dashboards using Web or Desktop
- Register for 30 day free trial for Esri data: ArcGIS.com
- Implement Esri Maps for
 - SAP Business Objects, IBM Cognos , MicroStrategy



- Connect with cBEYONData:

9435 Lorton Market Street #720

Lorton, VA 22079

Office Phone: 703.690.5730

Email: info@cbeyondata.com

Leveraging Location Analytics

How do I start to demonstrate the value to my organization?

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a session evaluation form!**

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February 9–10, 2015 | Washington, DC



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Printing stations located on L St. Bridge, next to registration

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February 9–10, 2015 | Washington, DC



GIS Solutions EXPO, Hall D

Monday, 12:30pm – 6:30pm

Tuesday, 10:45 AM–4:00 PM

- Exhibitors
- Hands-On Learning Lab
- Technical & Extended Support
- Demo Theater
- Esri Showcase

Federal GIS Conference

February 9–10, 2015 | Washington, DC



Networking Reception:

National Museum of American History

Tuesday, 6:30 PM–9:30 PM
Bus Pickup located on L Street

Federal GIS Conference

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Add a day to your Fed GIS experience and register to attend the Esri DevSummit Washington DC. Stop by the registration counter to sign up.

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Leveraging Location Analytics

How do I start to demonstrate the value to my organization?



Understanding our world.