

2013 EMEA User Conference

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Technical Workshop

What is new in ArcGIS 10.2 for Server

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Recording of this session available here:

<http://video.arcgis.com/watch/2554/whats-new-in-arcgis-102-for-server>

ArcGIS for Server



10.1

Map cache status

Windows and Linux friendly

Simplified architecture

64 bit

Performance Improvements

Administration REST API

New publishing workflows

High Quality Print Service

10.1 was a big change to ArcGIS Server

10.2

New **Capabilities**

- More support for databases
- Real time GIS (GeoEvent Processor)

Quality Release:

- Better administration
- Enhanced security
- Issues fixed

Enables **Web GIS**

- Builds a human-friendly interface on top of your server
- Self-Service Mapping
- Supports new applications

10.2 is an incremental update to 10.1

Administration

Better Administration

1) ArcGIS Server Manager improvements

- 1) Disable copying of data when publishing new services
- 2) Discover data sources used by your services
- 3) Sharing services with an ArcGIS organization

2) Command-line utilities

Backup and Restore your ArcGIS server site

Database Support

Better database support

- 1) Direct database read-write capabilities
- 2) Netezza and Teradata (read only)
- 3) OleDB support

Security

Better integration for Windows Active Directory

- 1) Complete support for Windows Integrated Authentication**
(SSO for using and administering ArcGIS Server services)
- 2) Supports Public and Private services with Web Tier authentication**
(Before only supported with token based authentication)
- 3) Support for Windows Active Directory Nested Groups**
- 4) Support for Active Directory Forests**

Support for PKI

- Public Key Infrastructure
- Single Sign On
- Requires Web Adaptor



Security hardening and best practices documentation

0) Continued Security Audits

1) More protection against SQL Injection vulnerabilities

Standardized Queries setting

2) Enhanced security topics in the help

Always use online help for the latest

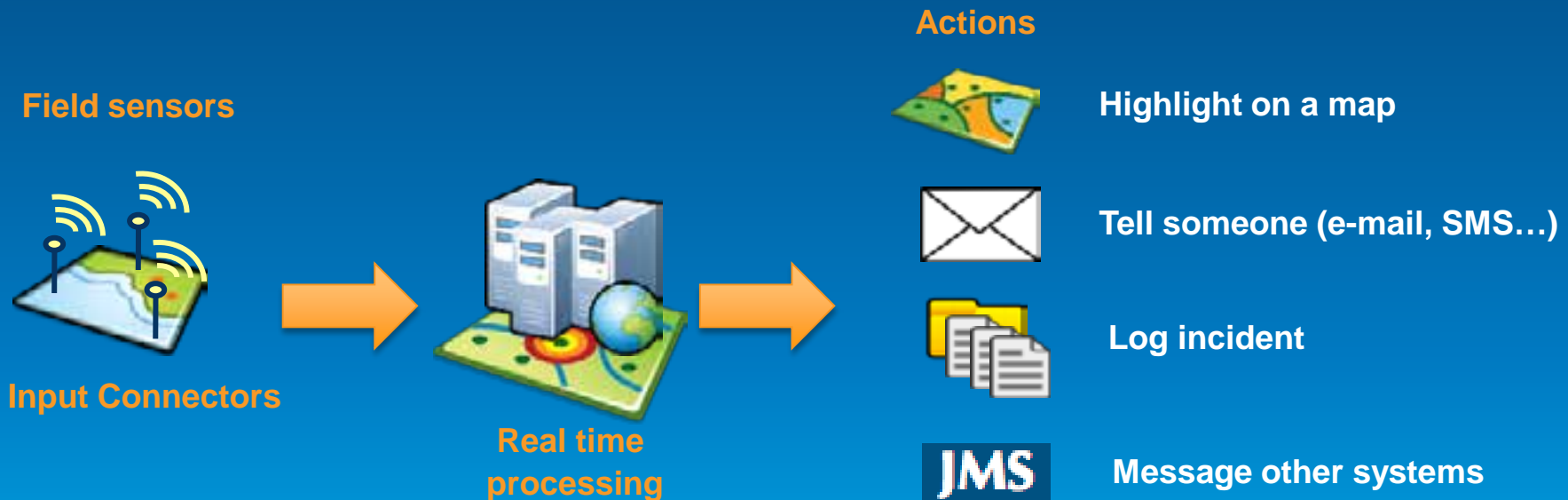


GeoEvent Processor

GeoEvent Processor



- New extension
- Enables real-time processing



Bring real time GIS into decision making support tools

Real time GIS

is useful across many different industries

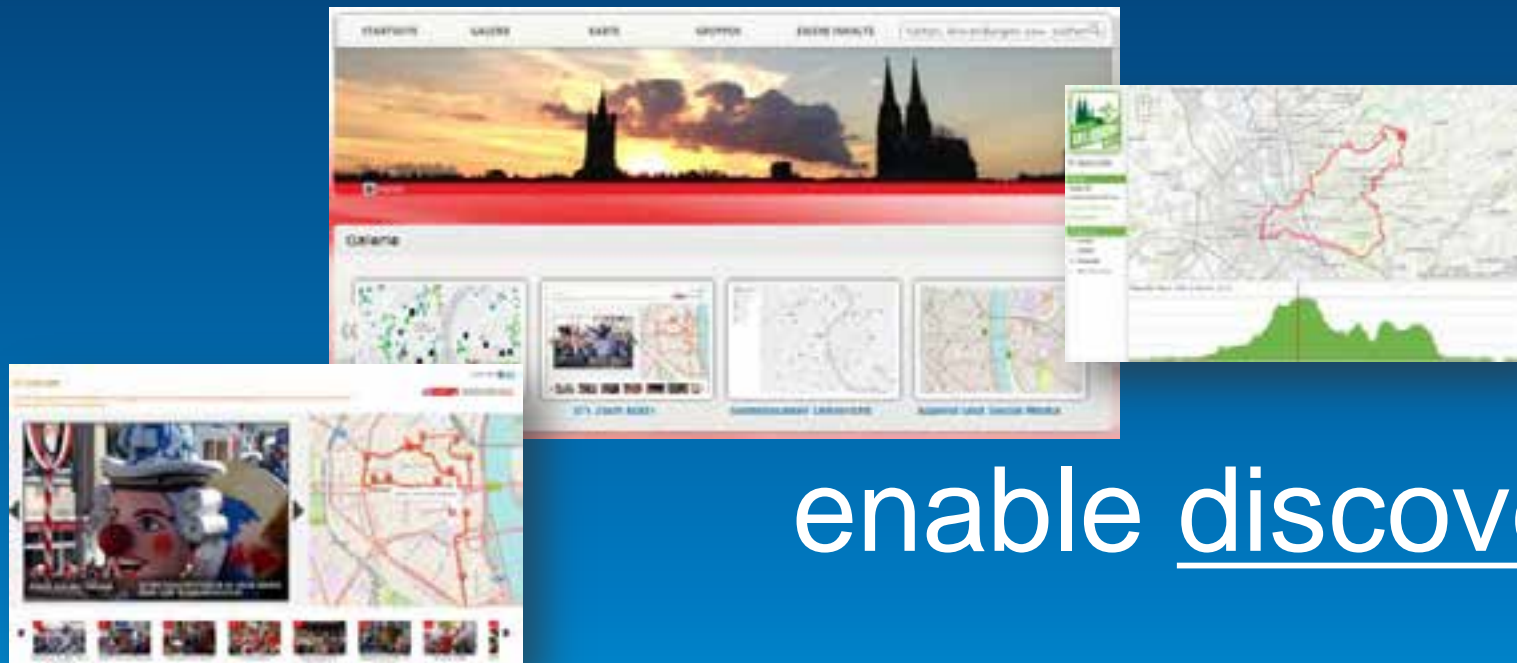
| Industries | | |
|---|--|---|
| Aid and Development <ul style="list-style-type: none">- Humanitarian Aid- Sustainable Development | Health and Human Services <ul style="list-style-type: none">- Public Health- Human Services- Hospital and Health Systems- Managed Care- Academic Programs and Research | Public Safety <ul style="list-style-type: none">- Emergency Call Taking and Dispatch- Emergency/Disaster Management- Fire, Rescue, and EMS- Homeland/National Security- Law Enforcement- Wildland Fire Management |
| Business <ul style="list-style-type: none">- Banking and Financial Services- Insurance- Media and Press- Real Estate- Retail | Mapping and Charting <ul style="list-style-type: none">- Aeronautical- Cartographic- Nautical- Topographic | Transportation <ul style="list-style-type: none">- Aviation- Highways- Logistics- Railways- Ports and Maritime- Public Transit |
| Defense and Intelligence <ul style="list-style-type: none">- Defense and Force Health Protection- Enterprise GIS- Geospatial Intelligence- Installations and Environment- Military Operations (C4ISR) | Natural Resources <ul style="list-style-type: none">- Agriculture- Climate Change- Conservation- Environmental Management- Forestry- Mining- Oceans- Petroleum- Water Resources | Utilities and Communications <ul style="list-style-type: none">- Electric- Gas- Location-Based Services- Pipeline- Telecommunications- Water/Wastewater |
| Education <ul style="list-style-type: none">- Libraries and Museums- Schools (K-12)- Universities and Community Colleges | | |
| Government <ul style="list-style-type: none">- Federal, State, Local- Architecture, Engineering and Construction (AEC)- Economic Development- Elections and Redistricting- Facilities- Land Administration- Public Works- Surveying- Urban and Regional Planning | | |

Web GIS

ArcGIS for Server



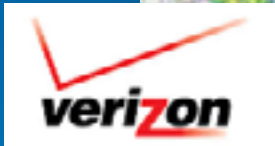
Organize your maps and apps



enable discovery

10.2 includes tools for easily transform GIS Services into information products and a configurable web site to make them easily discoverable

Empower people



to use and create maps

10.2 makes it easier for people to work with your ArcGIS Server maps and even create their own

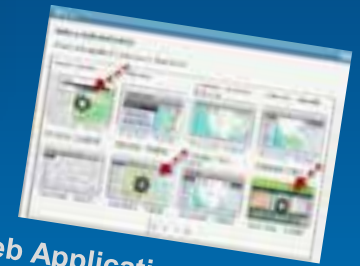
More apps



Collector for ArcGIS



Operations Dashboard for ArcGIS



Web Application Templates



Esri Maps for Office

Maps everywhere

10.2 includes new apps that work on top of your ArcGIS Server

Key ArcGIS components for WebGIS



Apps

Information Products
Access Control

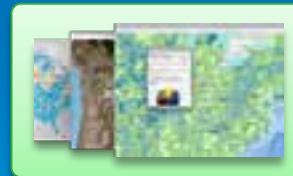


Portal

Web Services
Data



GIS Servers
Authoring tools



**Ready to use
Content**

WebGIS Deployment Patterns



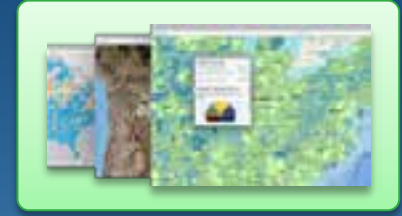
Apps



Portal



GIS Servers



Ready to use
Content

SaaS

ArcGIS Online
(Portal)

ArcGIS Online
(Hosted Servers)

ArcGIS Online
Services

Software

Portal
for ArcGIS

ArcGIS
Server

ArcGIS Data
Appliance

Summary

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Understanding our world.