



What is new in ArcGIS 10.2.x for Server

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Technical Workshop

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 Extension)
- Offline Data Collection (Android and iOS)

Quality Releases:

- Better administration
- Enhanced security
- Issues fixed (10.2.1, 10.2.2)

Enables **Web GIS**

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

10.2 builds upon and enhances 10.1

Administration

Better Administration

1) ArcGIS Server Manager improvements

- 1) Search services
- 2) Discover data sources and map documents used by your map services
- 3) Disable copying of data when publishing new services

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

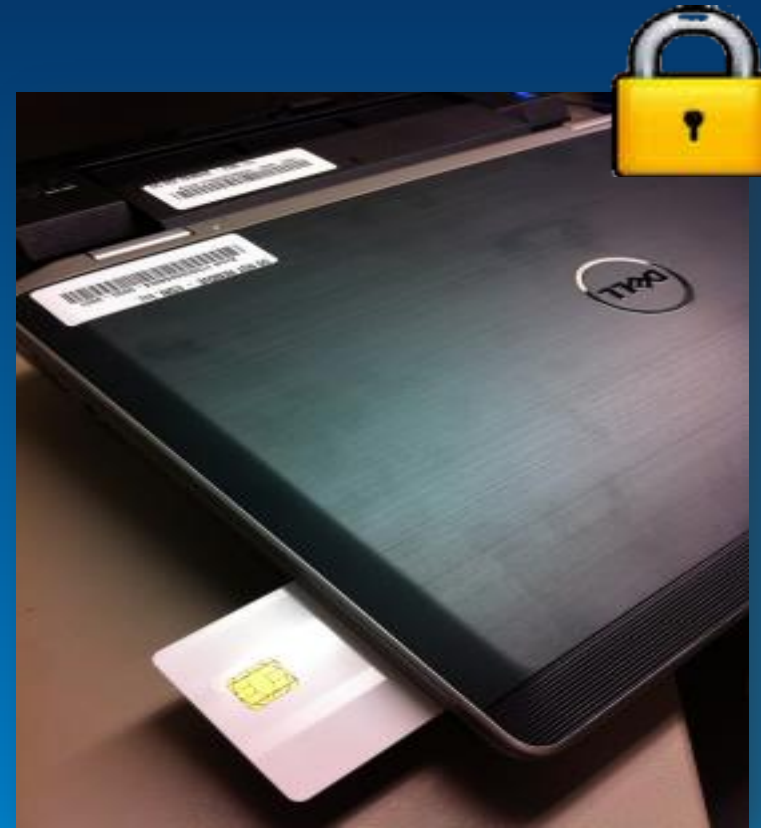
(Before only supported with token based authentication)

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 (IIS or Java)**



Security hardening and best practices documentation

1) More protection against SQL Injection vulnerabilities

Standardized Queries setting

2) Enhanced security topics in the help

Always use online help for the latest



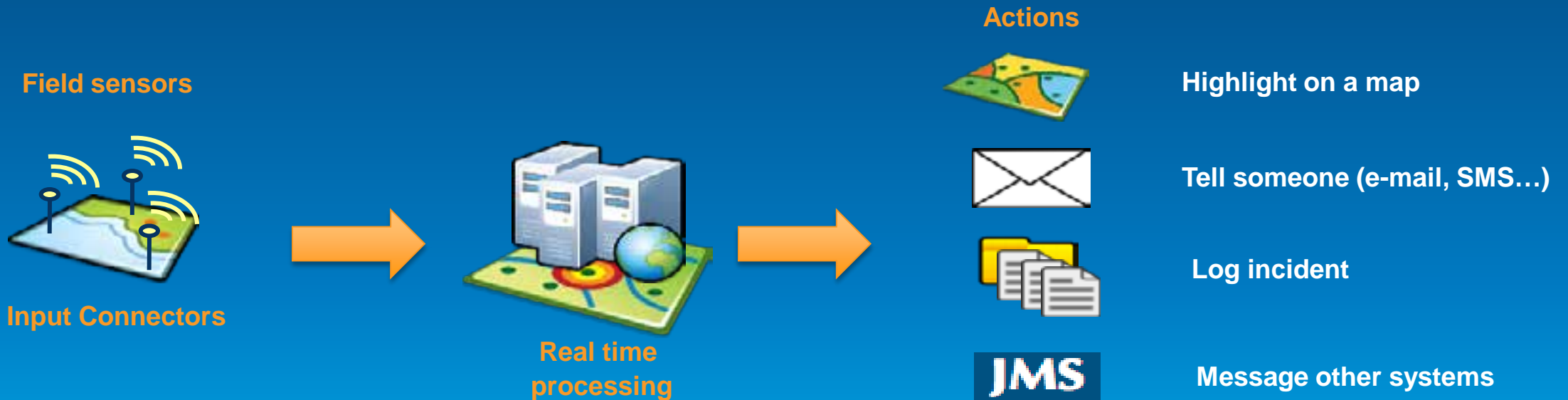
Real Time GIS

GeoEvent Extension

GeoEvent Extension



- New at 10.2
- Enables real-time processing



Bring real time GIS into decision making support tools

Real time GIS

is useful across many different industries

Industries

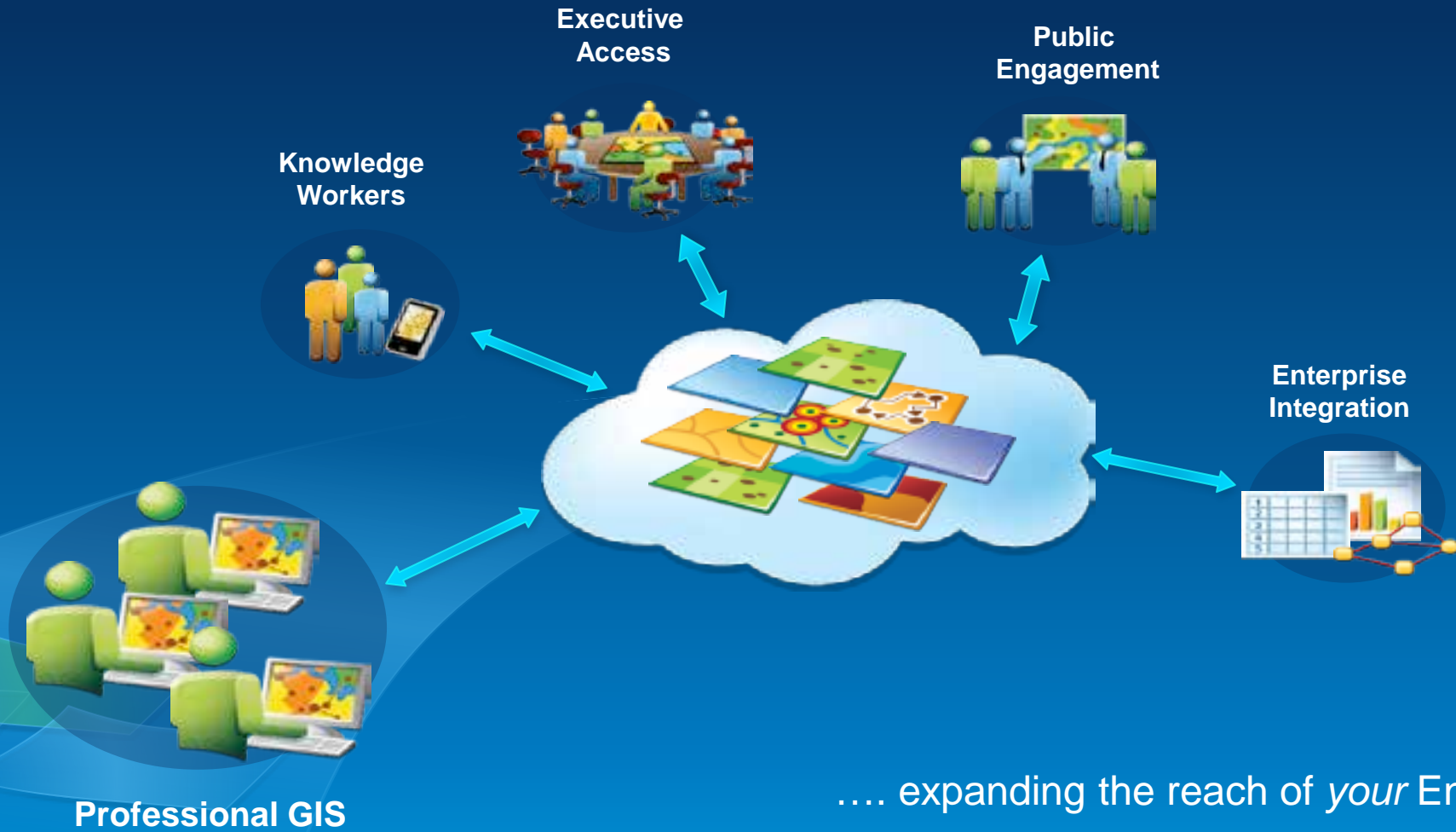
- Aid and Development**
 - Humanitarian Aid
 - Sustainable Development
- Business**
 - Banking and Financial Services
 - Insurance
 - Media and Press
 - Real Estate
 - Retail
- Defense and Intelligence**
 - Defense and Force Health Protection
 - Enterprise GIS
 - Geospatial Intelligence
 - Installations and Environment
 - Military Operations (C4ISR)
- Education**
 - Libraries and Museums
 - Schools (K—12)
 - Universities and Community Colleges
- Government**
 - Federal, State, Local,
 - Architecture, Engineering and Construction (AEC)
 - Economic Development
 - Elections and Redistricting
 - Facilities
 - Land Administration
 - Public Works
 - Surveying
 - Urban and Regional Planning
- Health and Human Services**
 - Public Health
 - Human Services
 - Hospital and Health Systems
 - Managed Care
 - Academic Programs and Research
- Mapping and Charting**
 - Aeronautical
 - Cartographic
 - Nautical
 - Topographic
- Natural Resources**
 - Agriculture
 - Climate Change
 - Conservation
 - Environmental Management
 - Forestry
 - Mining
 - Oceans
 - Petroleum
 - Water Resources
- Public Safety**
 - Emergency Call Taking and Dispatch
 - Emergency/Disaster Management
 - Fire, Rescue, and EMS
 - Homeland/National Security
 - Law Enforcement
 - Wildland Fire Management
- Transportation**
 - Aviation
 - Highways
 - Logistics
 - Railways
 - Ports and Maritime
 - Public Transit
- Utilities and Communications**
 - Electric
 - Gas
 - Location-Based Services
 - Pipeline
 - Telecommunications
 - Water/Wastewater

Offline Data Collection

With Collector for ArcGIS

Web GIS

Portal for ArcGIS extension & ArcGIS Online



Web GIS: Providing Mapping and GIS

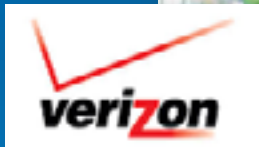
Across the Entire Organization

Organize your maps and apps



enable discovery

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...

Maps everywhere

ArcGIS 10.2 for Server supports many new ArcGIS apps

Web GIS components



Apps

Information Products
Access Control



Portal

Web Services
Data



GIS Servers

Authoring tools



**Ready to use
Content**

WebGIS Deployment Patterns



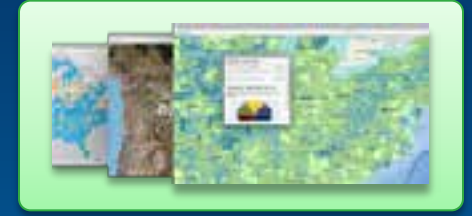
Apps



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



Understanding our world.