What is new in ArcGIS 10.2.x for Server

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10.1 was a big change to ArcGIS Server

- 64 bit
- Simplified architecture
- Windows and Linux friendly
- Performance Improvements
- Administration REST API
- New publishing workflows
- High Quality Print Service
- Map cache status
Quality Releases:

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

New Capabilities

- More support for databases
- Real time GIS (GeoEvent Extension)
- Offline Data Collection (Android and iOS)

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)
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

**Actions**
- Highlight on a map
- Tell someone (e-mail, SMS…)
- Log incident
- Message other systems

**Input Connectors**

Field sensors

**Real time processing**

Bring real time GIS into decision making support tools
Real time GIS is useful across many different industries.
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

Creating a Human Friendly front-end on top of ArcGIS Server
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

Maps everywhere

ArcGIS 10.2 for Server supports many new ArcGIS apps
Web GIS components

- Apps
- Portal
- GIS Servers
  - Authoring tools
- Ready to use Content
- Information Products
- Access Control
- Web Services
- Data
- Ready to use Content
- Authoring tools
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