



ArcGIS As a Platform

Esri Pacific User Conference

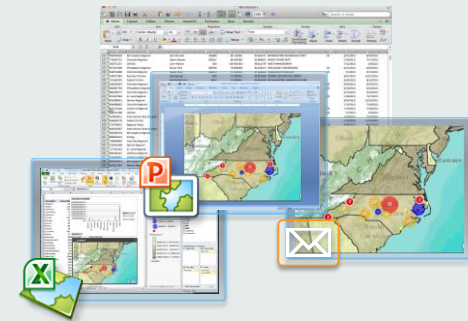
October 13 – 14, 2014 | Sacramento

ArcGIS as a Platform | Putting it all Together

- Components of The ArcGIS Platform
- Best Practices: Implementing the Platform
 - Case Study
- Best Practices: Technology Architecture
- Patterns of Deployment
- Questions



from their browser of choice



from Microsoft Office

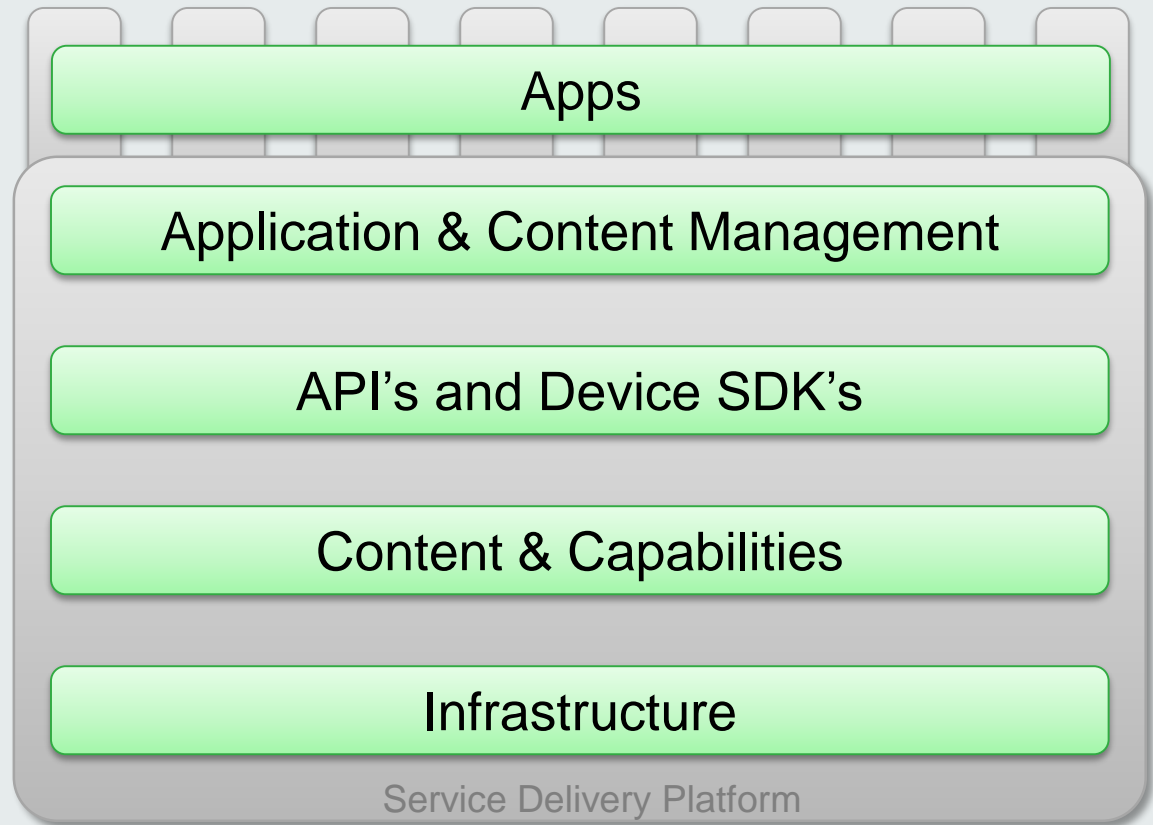


from their mobile devices

Mapping & GIS Platform | enabling everyone to discover, use, make, and share maps

The ArcGIS Platform

- Standards-based
- Web service delivery and consumption model



How Do You Deploy The ArcGIS Platform?



Solution Components



Core / Partner Technology



Data Products



Training



Professional Services

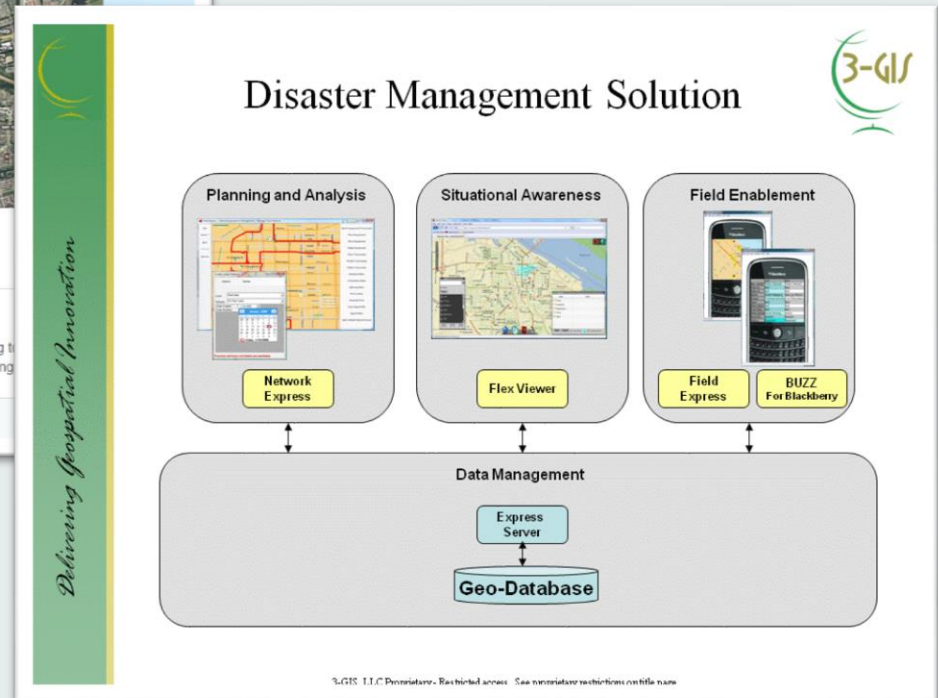


Architecture

Solution Components

The screenshot shows the Esri ArcGIS website. At the top, there is a navigation bar with 'Industries', 'Products', 'Support & Services', and 'About'. Below this is a blue header with the 'ArcGIS' logo and a sub-menu with 'Main', 'Platform', 'Features', 'Use Cases', 'Map Examples', and 'Pricing'. The main content area features a large banner titled 'Mapping & Analysis for Understanding Our World' with a 'Discover Now' button. Below the banner, there are three columns of text describing ArcGIS solutions for 'GIS Professionals', 'Location Analytics', and 'Developers'. At the bottom, there is a 'Register Now' button.

Core and Partner Technology



Patterns of GIS Solution



Solution Components

ArcGIS Content

More than Maps. ArcGIS Content makes it spatial.

With ArcGIS you get large amounts of up-to-date, ready-to-use content covering the entire world. This content comes from commercial providers and the GIS community.

Basemaps | Demographics and Lifestyle Data | Imagery

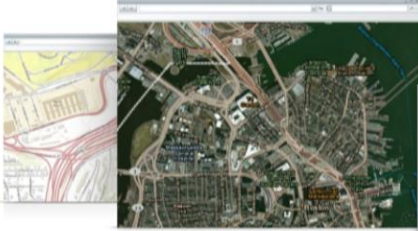
Basemaps, Reference Maps, and Specialty Maps

Bring your data to life with beautiful basemaps. Access them in a variety of ways:

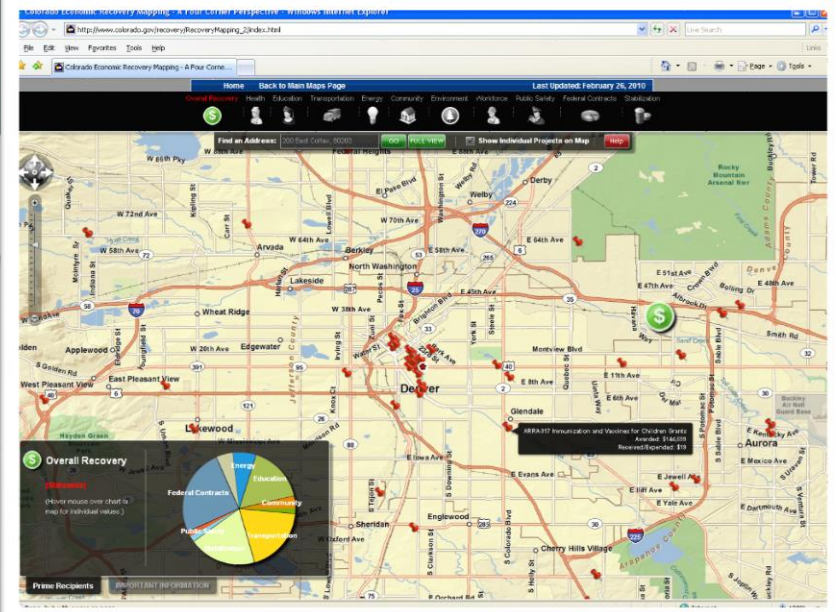
Maps and Map Layers
ArcGIS Online give you access to basemaps, reference maps, and specialty maps, such as traffic and navigation.

Securely Behind Your Firewall
Data Appliance for ArcGIS gives you similar basemaps as ArcGIS Online, but delivered on a network-attached storage device that plugs right into your organizations' internal network.

DVD
StreetMap Premium for ArcGIS gives you high-quality street data from NAVTEQ and TomTom. Use it for high cartographic display, geocoding, routing, and generating directions.



Data Products



No Excuses for ugly maps...

Solution Components

- Training Curriculums
- Staff Augmentation
- Hiring Recommendations

Training

The screenshot shows the Esri Training website. At the top, there is a dark blue navigation bar with the word "Training" in white. Below this, a white navigation menu contains links for "Main", "My Training", "Training Catalog", "Certification", "News", and "Common Questions". Underneath the menu, a secondary row of links includes "Overview", "Getting Started", "Instructor-Led Courses", "E-Learning Courses", and "Training for Organizations".

The main content area features a large banner for "ArcGIS Runtime SDK Bootcamps". The text reads "ArcGIS Runtime SDK Bootcamps" in a large blue font, followed by "A new way to train your app muscles" in a smaller black font. An orange "Learn more" button is positioned below the text. The background of the banner shows three men in a workshop setting, looking at a laptop.

Below the banner, there are two columns of content. The left column is titled "Find Training" and includes a search input field with a green "Search" button. Below the search field is a list of links: "View entire catalog", "Search schedule", "Get recommendations", and "Browse books from Esri Press". The right column is titled "Take Training" and contains four items, each with an icon and text: "Activate a course access code" (with a key icon), "Attend instructor-led online classroom" (with a person and screen icon), "Resume your e-learning" (with a gear and brain icon), and "Find a training location" (with a location pin icon).

Solution Components

Professional Services

Services

Services

Extended Support

Esri extended support includes programs and packages that augment core support and training to offer you the highest level of assistance possible.



Esri Professional Services

We support our users and partners in the effective implementation and application of our software products.

Esri Customer Service

Inquire about an order, manage and monitor your Esri account information, or get support for licensing and registration.

- Esri Customer Service: Versions 9.x
- Esri Customer Care: Versions 10.x

Esri Managed Services

Esri provides scalable, reliable, secure and economical options to host and maintain your GIS applications and data.

Esri Disaster Response Program

Esri provides services, software, and data to government agencies and private organizations responding to disasters.

- Earthquake Support
- Flooding Support
- Hurricane and Cyclone Support
- Severe Weather Support
- Wildfire Support

[Esri Home](#)

Follow Us

Understanding GIS

- [What is GIS?](#)
- [Live User Sites](#)
- [Map Book Gallery](#)
- [Video Library](#)

Company Information

- [About Esri](#)
- [Careers](#)
- [Esri Insider Blog](#)
- [Esri User Conference](#)
- [Heartbleed Information](#)

Services

- [Professional Services](#)
- [Project Services](#)
- [Implementation Services](#)
- [Premium Support Services](#)

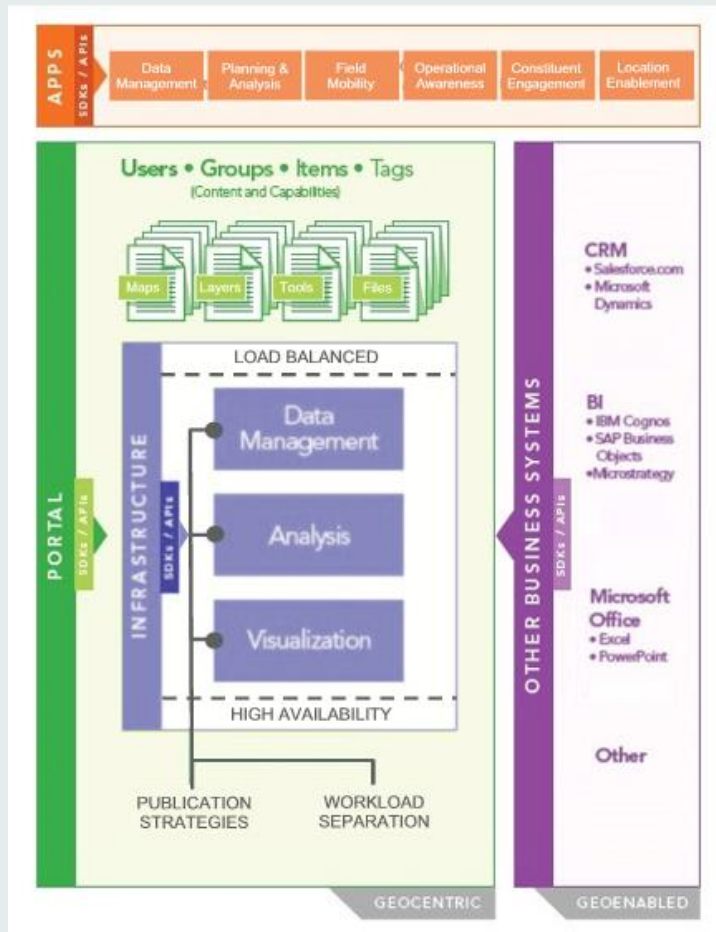
Partners

- [Search Partner Directory](#)
- [Hardware Promotions](#)
- [Overview](#)

Special Programs

- [Nonprofit Program](#)
- [ArcGIS for Home Use](#)
- [Disaster Response](#)
- [Esri-Sponsored Grants](#)

Solution Components

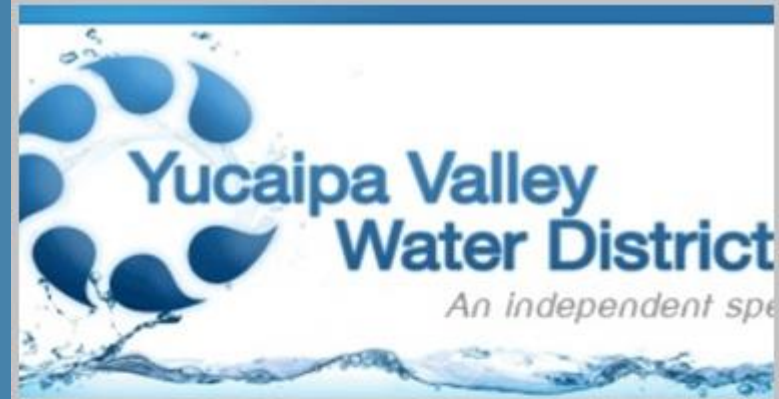


Flexible
Architecture

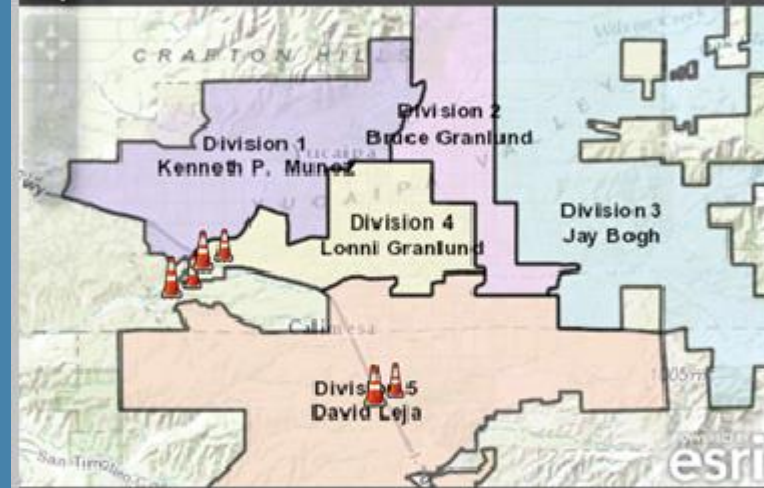
ArcGIS offers a powerful and flexible platform for GIS, but it needs to be architected correctly to assure customer success.

Case Study

Yucaipa Valley Water District



Map 1



Sewer Status Map

Legend

- Sewer Main
- San Bernardino County Parcels
 - Not Currently Available
 - Available
 - On Sewer

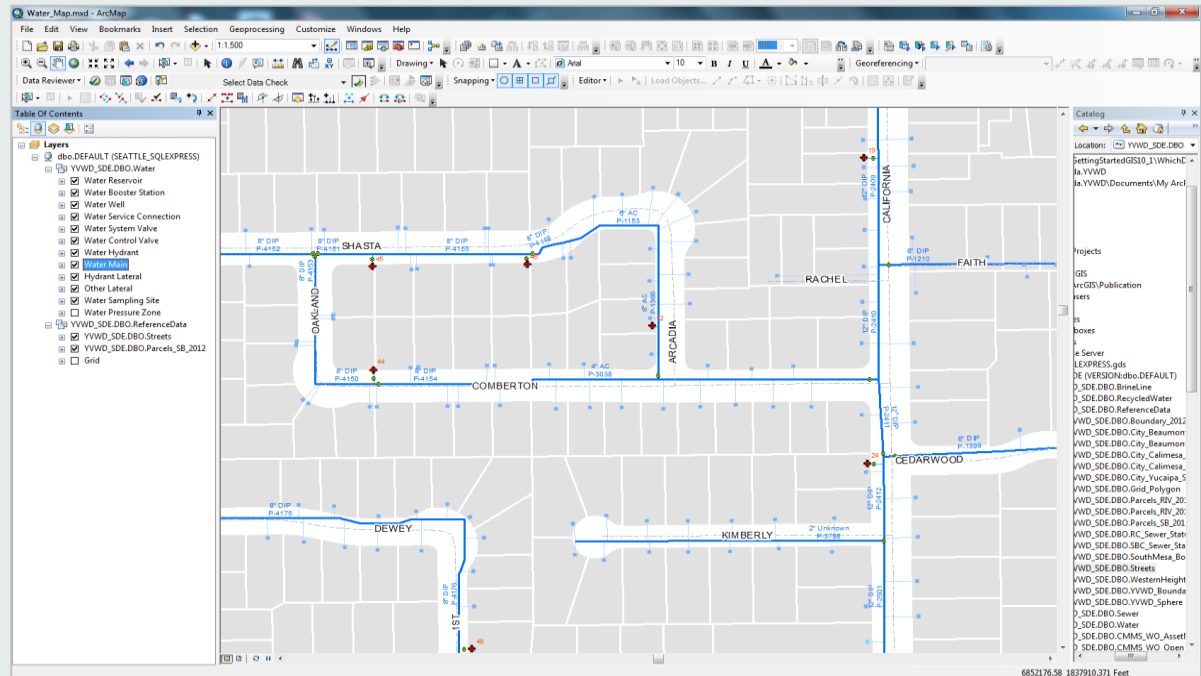
San Bernardino County

APN	031909
Street No.	12404
Street Name	CALIF
Street Type	SI
Corner	19 11A

Data Management

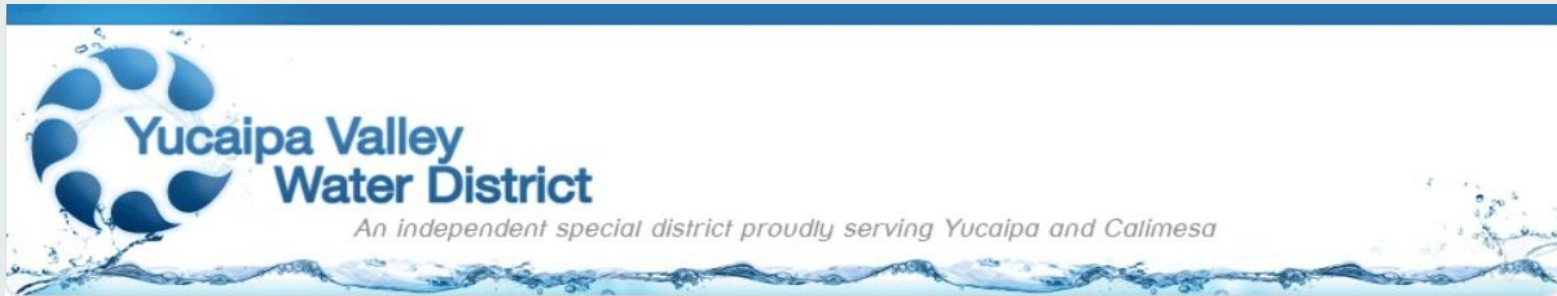
collecting, inventorying, and maintaining accurate records

- YVWD_GIS.gdb
 - RecycledWater
 - ReferenceData
 - Sewer
 - Water
 - wAbandonedLine
 - wAbandonedPoint
 - wBoosterStation
 - wCasing
 - wControlValve
 - wEasement
 - wFitting
 - wHydrant
 - wLateralLine
 - wMain
 - wPressureZone
 - wReservoir
 - wSamplingSite
 - wServiceConnection
 - wSystemValve
 - wWell
 - wBoosterPumps
 - wBoosterStation_Relate_wBoosterPumps

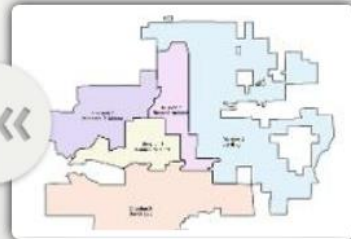


Sharing and Collaboration Platform

External Map Gallery



Interactive Maps



[Director Divisions 2013](#)



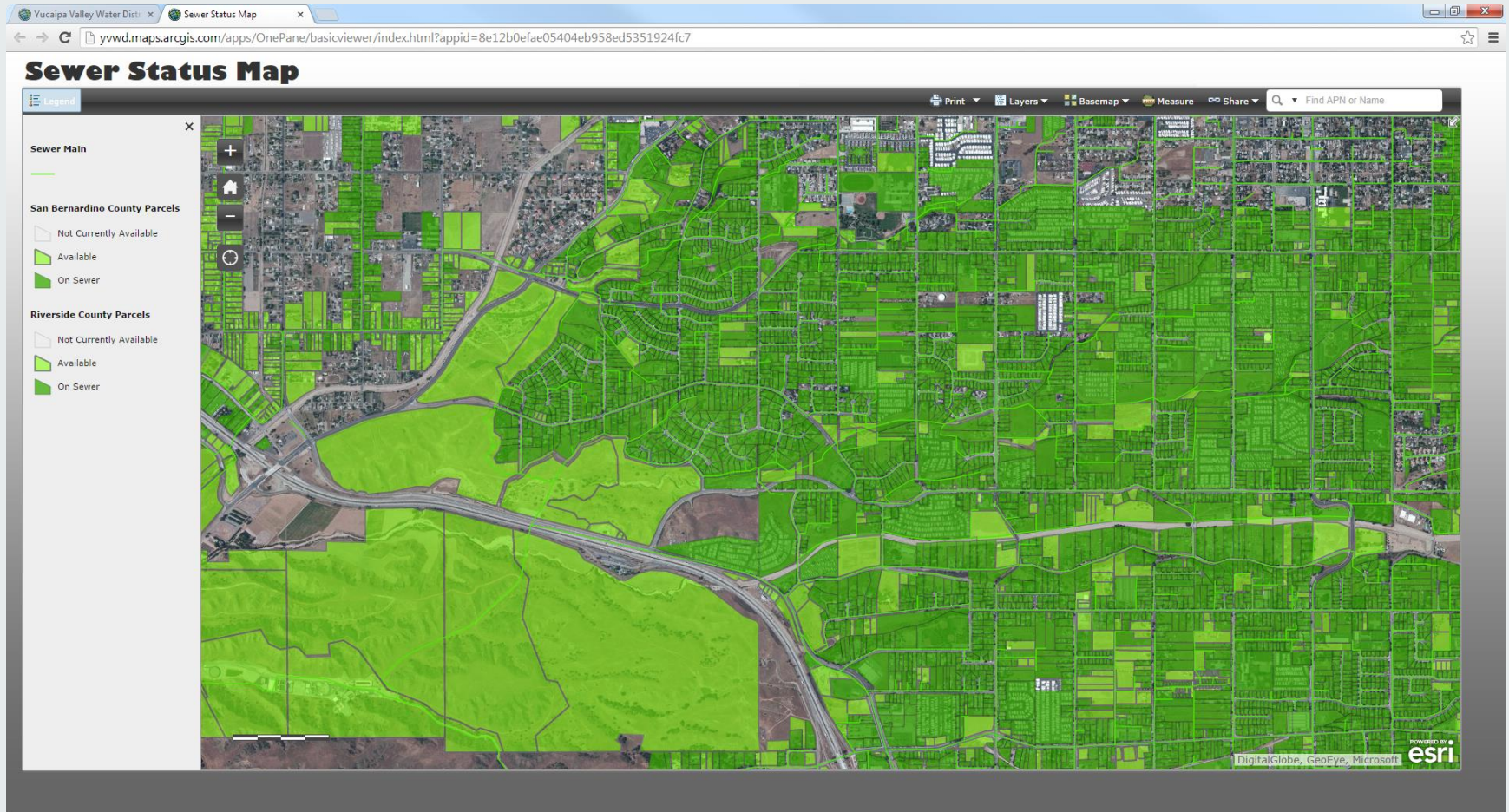
[Sewer Status Map](#)

Yucaipa Valley Water District is committed to professionally managing the precious water, sewer and recycled water resources of the Yucaipa Valley in a reliable, efficient and cost effective manner in order to provide the finest service to our customers, both present and future.

12770 Second Street
Yucaipa, CA 92399
(909) 797-5117

Web Application Templates

Easy-to-configure Online Apps



Sharing and Collaboration Platform

Internal Map Gallery

The screenshot shows a web browser window displaying the ArcGIS Internal Map Gallery. The browser address bar shows the URL: `yvwd.maps.arcgis.com/home/gallery.html#c=organization&o=modified&f=maps`. The page title is "Gallery" and the user is logged in as "Linda".

The main navigation bar includes: HOME, GALLERY, MAP, GROUPS, MY CONTENT, MY ORGANIZATION. A search bar is also present.

The page content is titled "Yucaipa Valley Water District Featured Content". It features a grid of 13 map thumbnails, each with a title and a share icon:

- CollectorMap
- Agency Boundaries and Sphere
- Recycled Water System
- Sewer
- PublicInformation
- WaterMap
- YVWD Pipelines
- Parcels
- Parcels Outline
- Brineline
- Field Notes (includes a legend for Field Notes Polygon Status: Complete, Incomplete Information, New, Working)
- City Hall

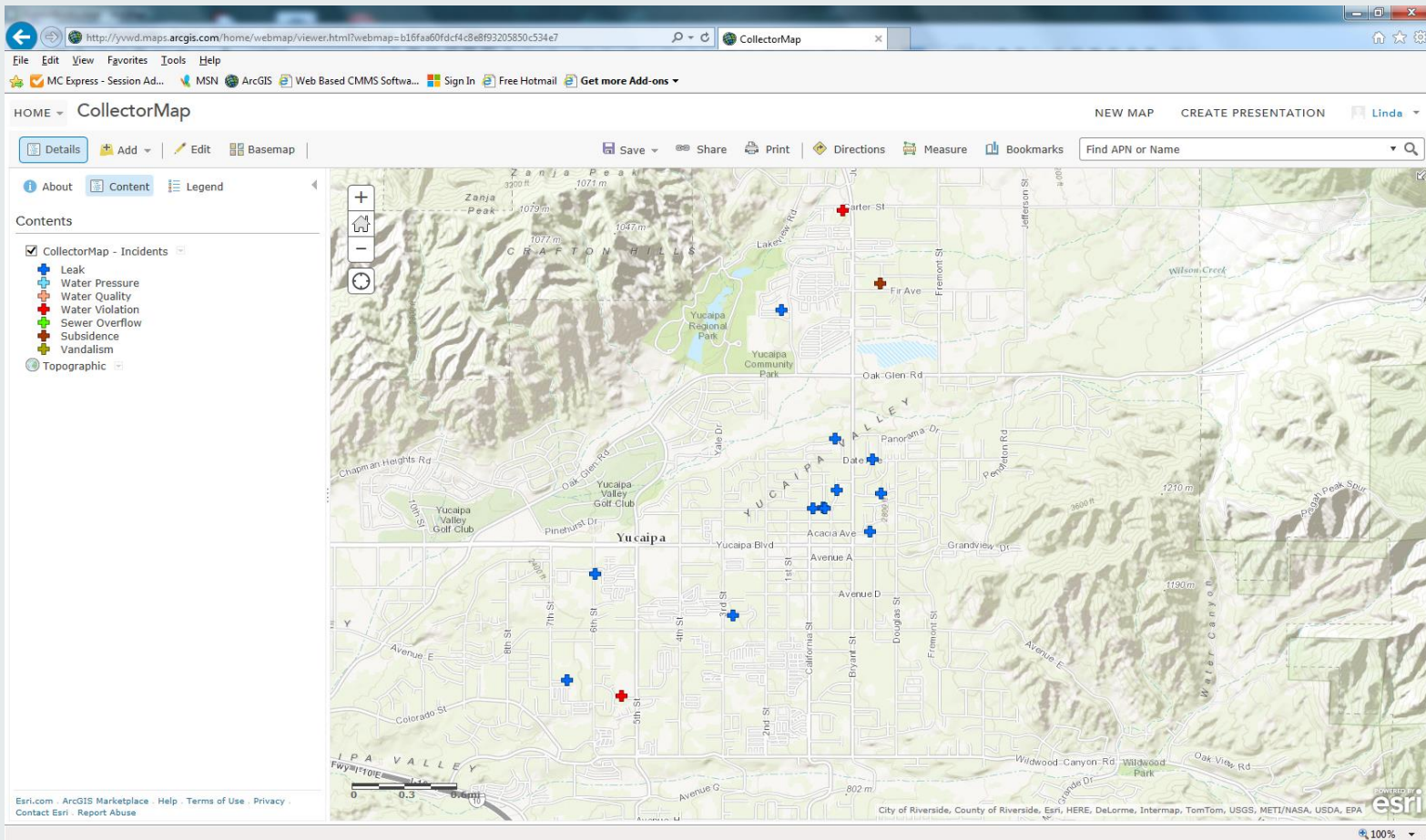
On the left side, there is a "Show" menu with options: All, Maps (selected), Web Maps, Map Files, Layers, Apps, Tools, Files. Below this is a search bar for the ArcGIS Marketplace and the Yucaipa Valley Water District logo.

At the bottom of the gallery, there is a pagination control showing "1" and "2".

The footer contains the following links: Esri.com | ArcGIS Marketplace | Help | Terms of Use | Privacy | Contact Esri | Report Abuse

GIS In The Field

Collector Map



GIS Anywhere, Anytime

Accessed by Any Employee

Yucaipa Projects.xlsx - Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW Esri Maps TEAM Katja Krivoruchko

Insert Map Map Contents Map Add Excel Search Data Add Data Basemap Organize Layers Bring Forward Send Backward Remove Layer Find Hot Spots Analysis Add Heatmap Layer ArcGIS Sign Out Share Help

Project	Address	City	State
Calimesa Blvd Stormwater Project	1199 Calimesa Blvd	Calimesa	CA
I-10 and Oak Glen South Project	32335 Live Oak Canyon Rd	Yucaipa	CA
Dunlap Stormwater In			

Map 1

Division 1
Kenneth P. Munoz

Division 2
Bruce Granlund

Division 4
Lonni Granlund

Division 5
David Leja

Division 3
Jay Bogh

Map Contents Search

- Projects
- Director Divisions 2013
 - Division 1
 - Division 2
 - Division 3
 - Division 4
 - Division 5

Sheet1

READY 100%

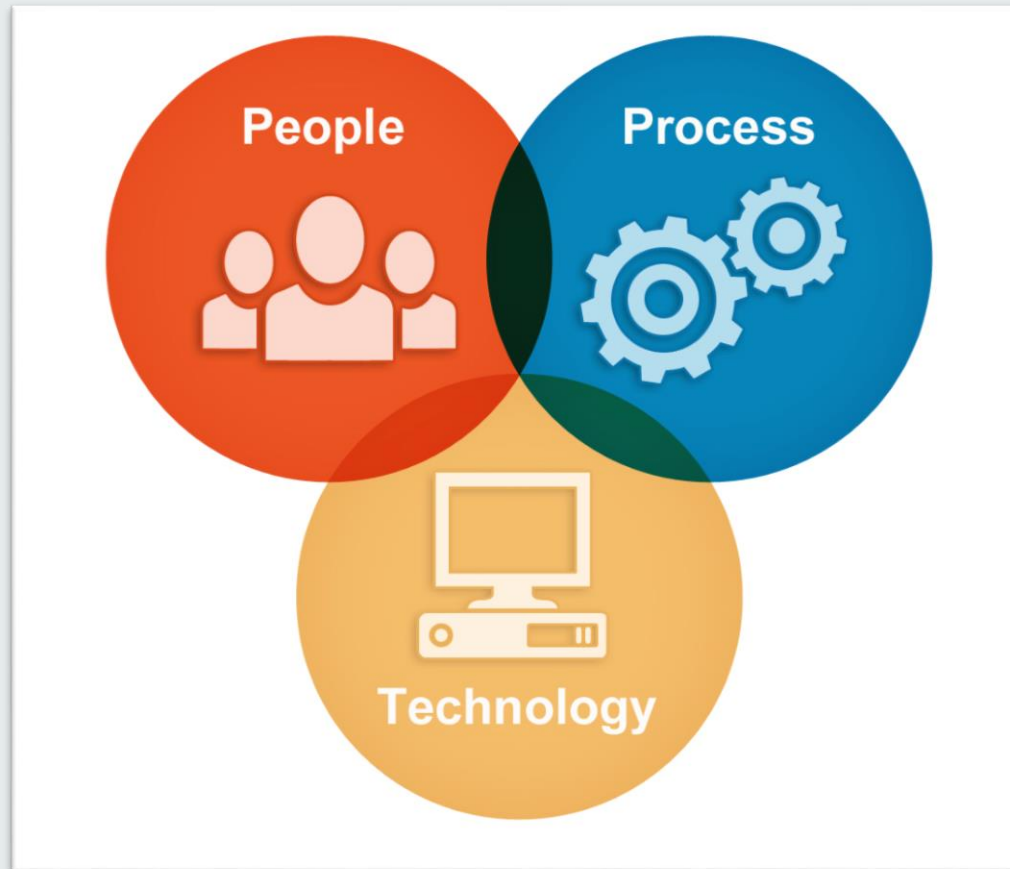
Patterns of GIS Solution



Engagement with Esri

Database Design	Rent-a-Tech
Data Migration	
Geocoding	
Configuration of Editing Template	
Configuration of ArcGIS Data Reviewer	
ArcGIS Online Setup	EEAP
Data Deployment on ArcGIS Online	
Editing Workflows	
GIS for Water Utilities	
.....	

Best Practices



Best Practices: People



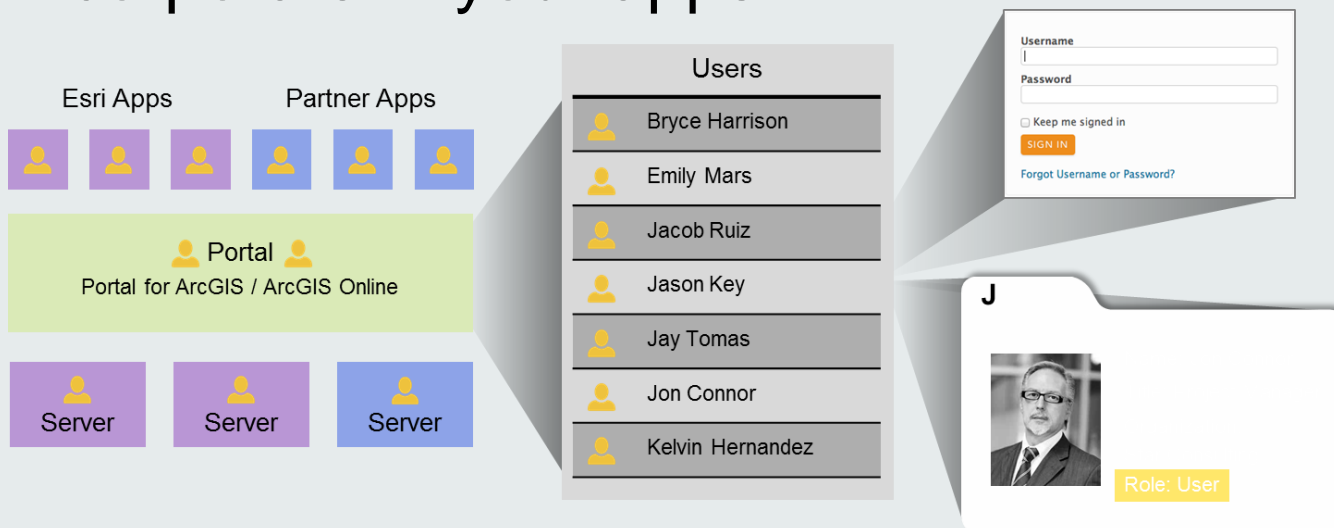
Identity Matters

My Corporate Identity	
katja_krivoruchko@esri.com	Email
3468	Time Card
katja_krivoruchko	CRM
avworld\katj3468	Active Directory
kkrivoruchko_sales_int	ArcGIS Online

Best Practice: Leverage Identity

- Configure in the portal
 - Users
 - Roles
 - Privileges
- Incorporate in your apps

Identity matters!

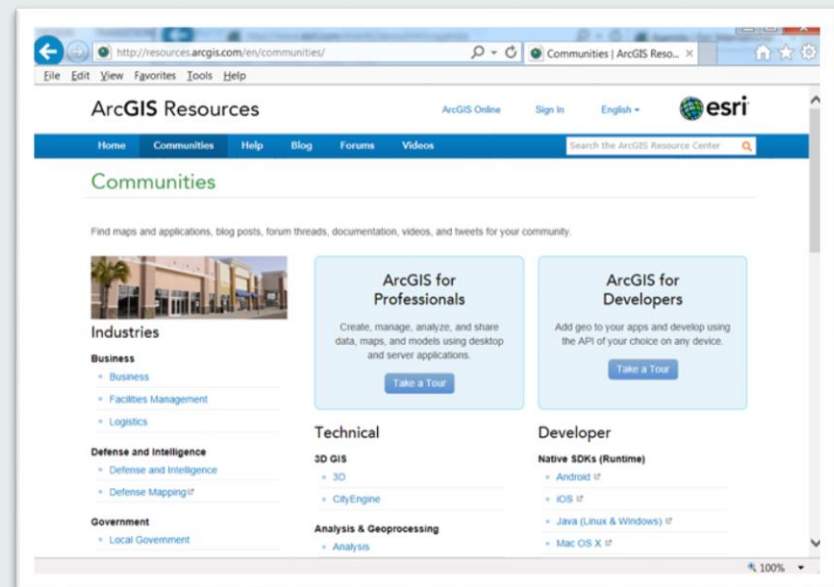


Best Practice: Leverage the Patterns



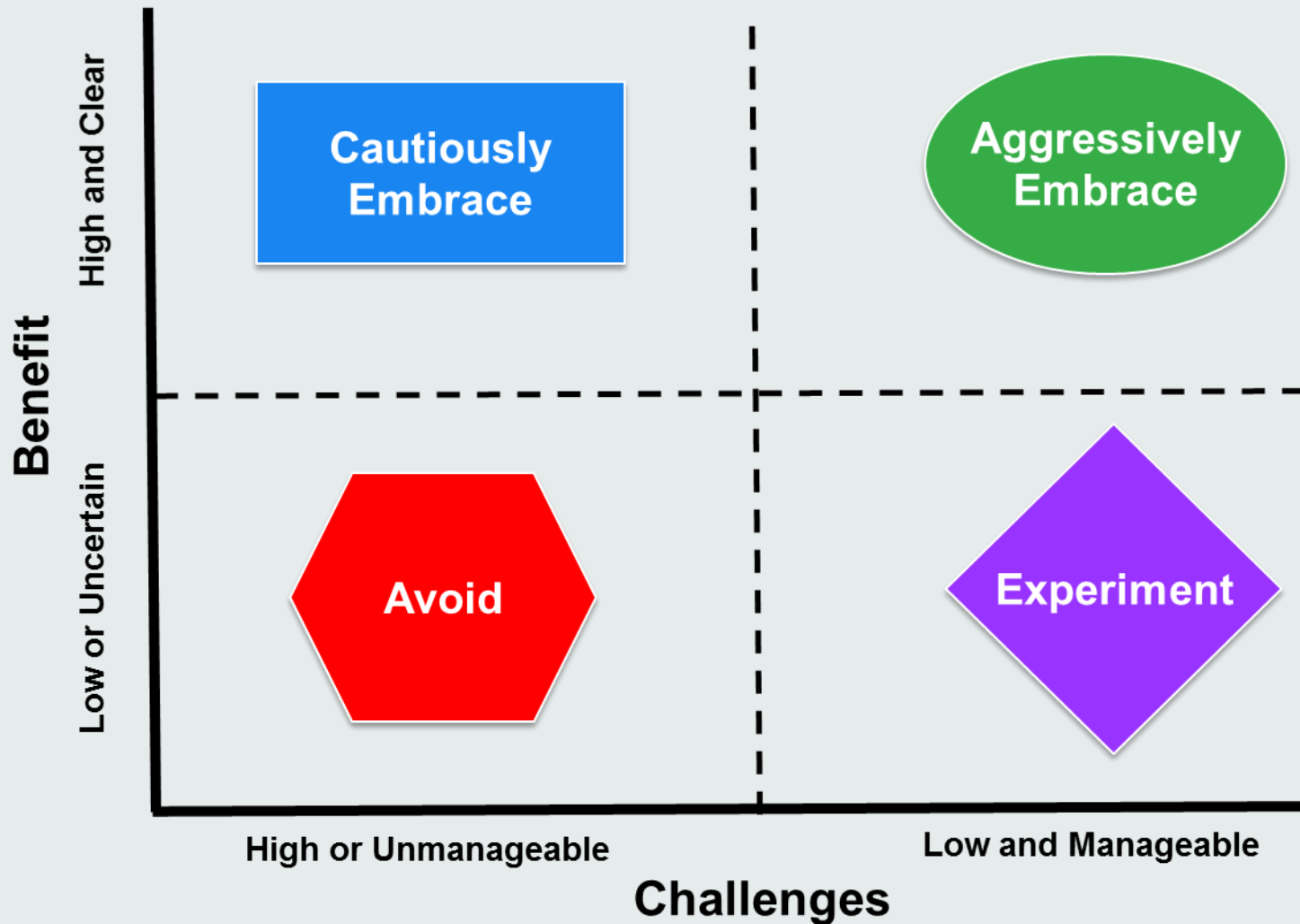
Best Practice: Approach to Solutions

- Configure **First**
- Customize **Second**
- Create New **Last**



Deviations from “core” increase risk!

Best Practice: Choose Projects Wisely



Patterns of Deployment



Cloud



Hybrid



On-premise

Completely Cloudy

SaaS Pattern

2) Web maps and apps are configured in ArcGIS.com



3) Content and services are shared using the ArcGIS Online Sharing Model



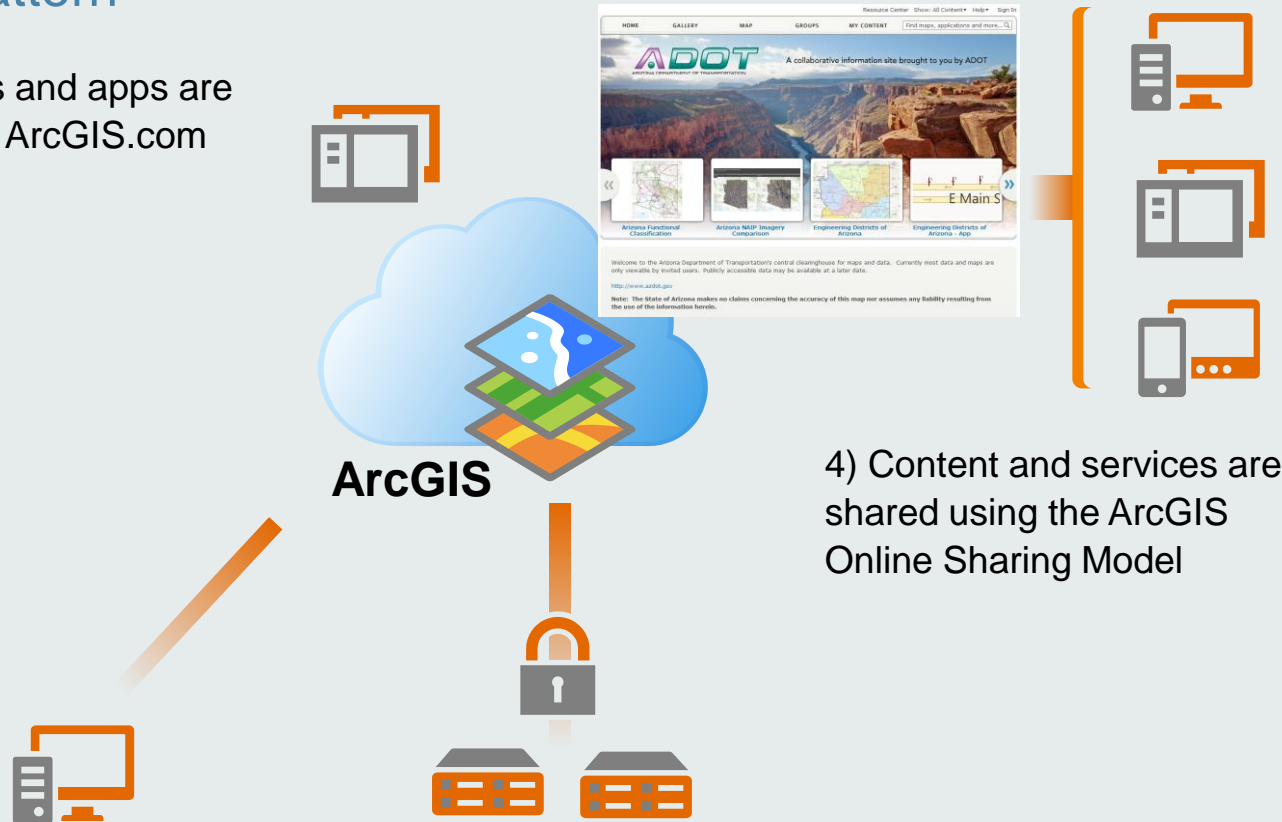
1) Data is published or uploaded from Desktop

Content, services, and users are managed by AGOL

Partly Cloudy

Hybrid Pattern

3) Web maps and apps are configured in ArcGIS.com



4) Content and services are shared using the ArcGIS Online Sharing Model

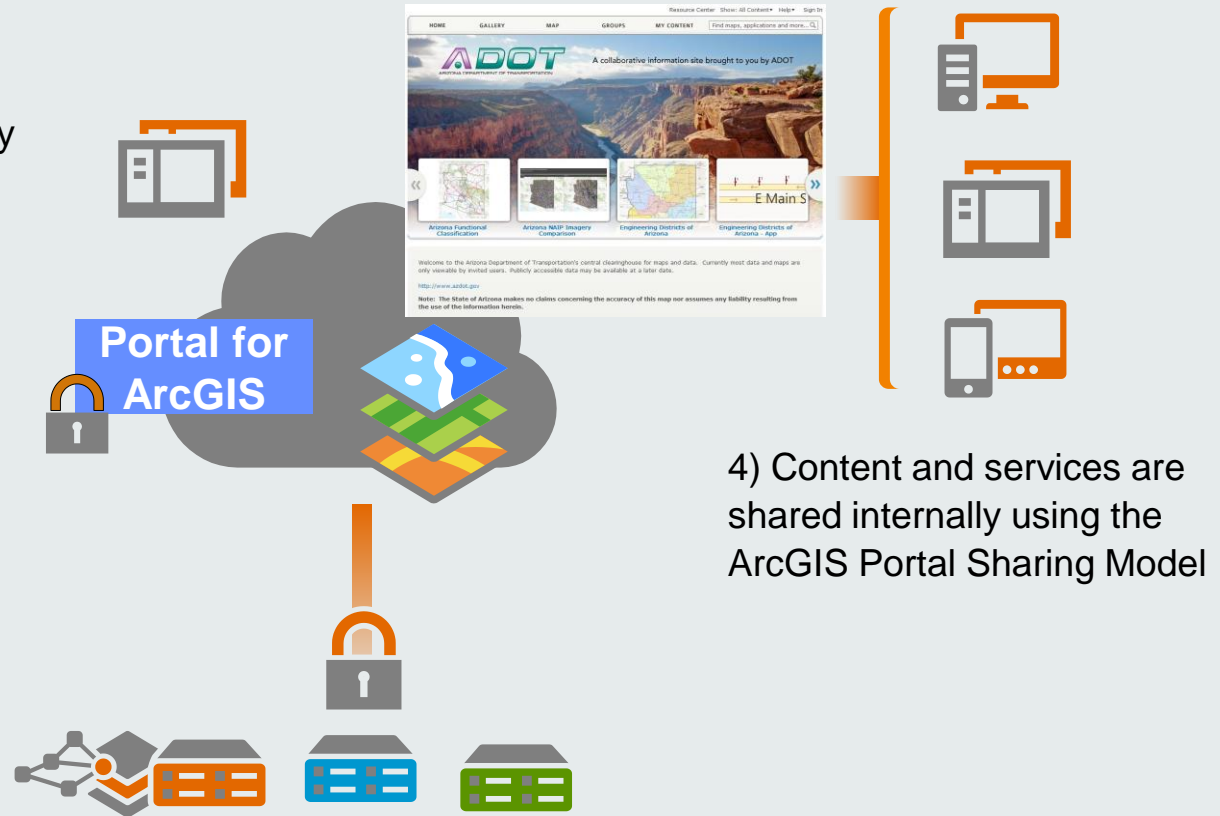
- 1) Non-sensitive “Public” data is published from Desktop
- 2) Sensitive business data can be registered from existing GIS Servers

Use the cloud where it makes sense

On-Premise Pattern

When SaaS hosting is not an option

3) Web maps and apps are configured and hosted locally within an on-premise Portal installation



4) Content and services are shared internally using the ArcGIS Portal Sharing Model

- 1) All business data can be registered from existing on-premise GIS Servers
- 2) ArcGIS services and content (locators, routing, base maps, etc.) may be managed locally using a Data Appliance or consumed from ArcGIS Online depending on security needs.

Ready to Help You Transform Your Organization





Understanding our world.