

Agenda

Configuring your mapping portal

Deploying solutions

Network Management

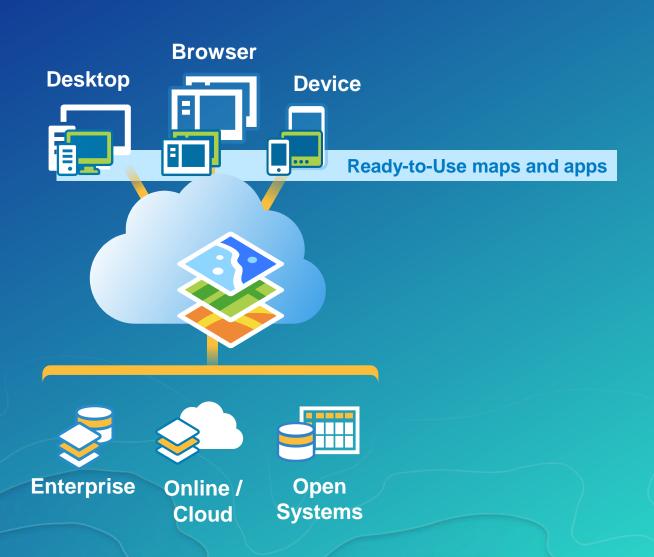
Resources

Strategies for deploying ArcGIS at a utility

- Start from scratch
- Start with a data model
- Start with business problems
 - Use ArcGIS Solutions as a jumpstart

ArcGIS for Utilities and Telecommunications

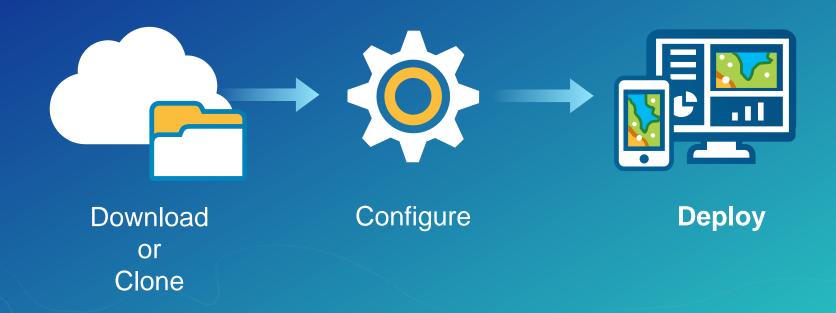
ArcGIS



Ready-to-Use Maps and Apps

- Free
- Fully supported
- Continually updated and enhanced
- Well documented
- Open source
- Backed by a community

Ready-to-Use



Deploying ArcGIS at a Utility or Telecom

- 1. Configuring your mapping portal
- 2. Configure initial apps
- 3. Innovate



Deployment Pattern for your organization



Portal for ArcGIS

- No Internet/www connection
- Strict SLAs and governance
- On-premises
- Responsible for maintenance/upgrades

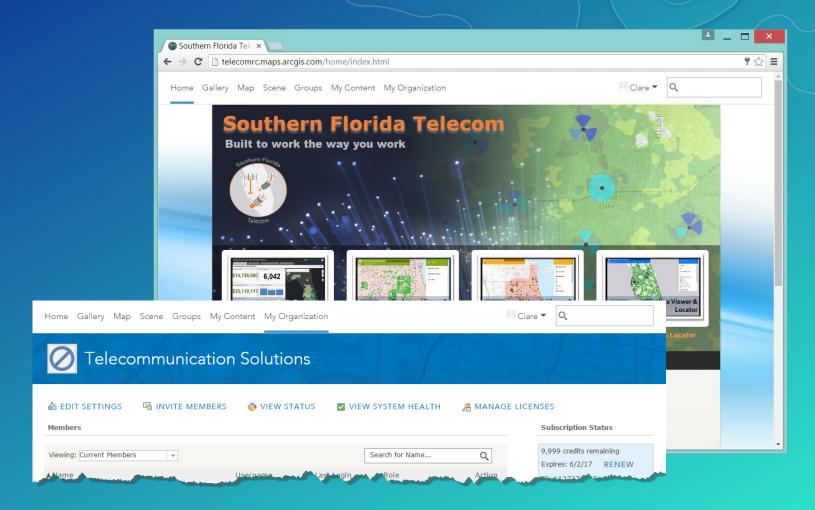


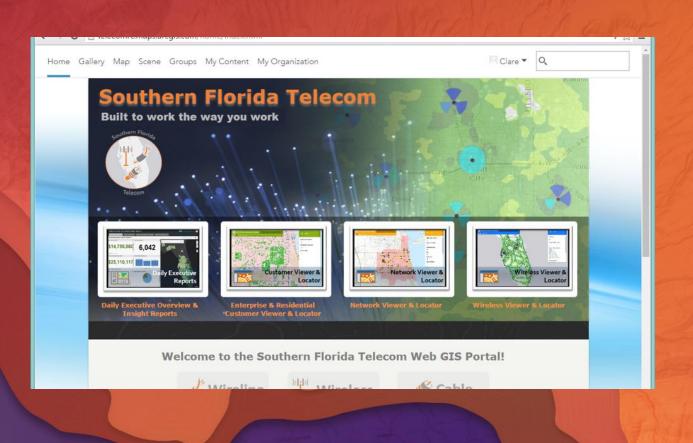
ArcGIS Online

- Faster deployment/lower admin costs
- Elasticity
- In the cloud
- Maintenance/upgrades from Esri

Administering your organization

Branding for your organization
User accounts and roles
Credit budgeting



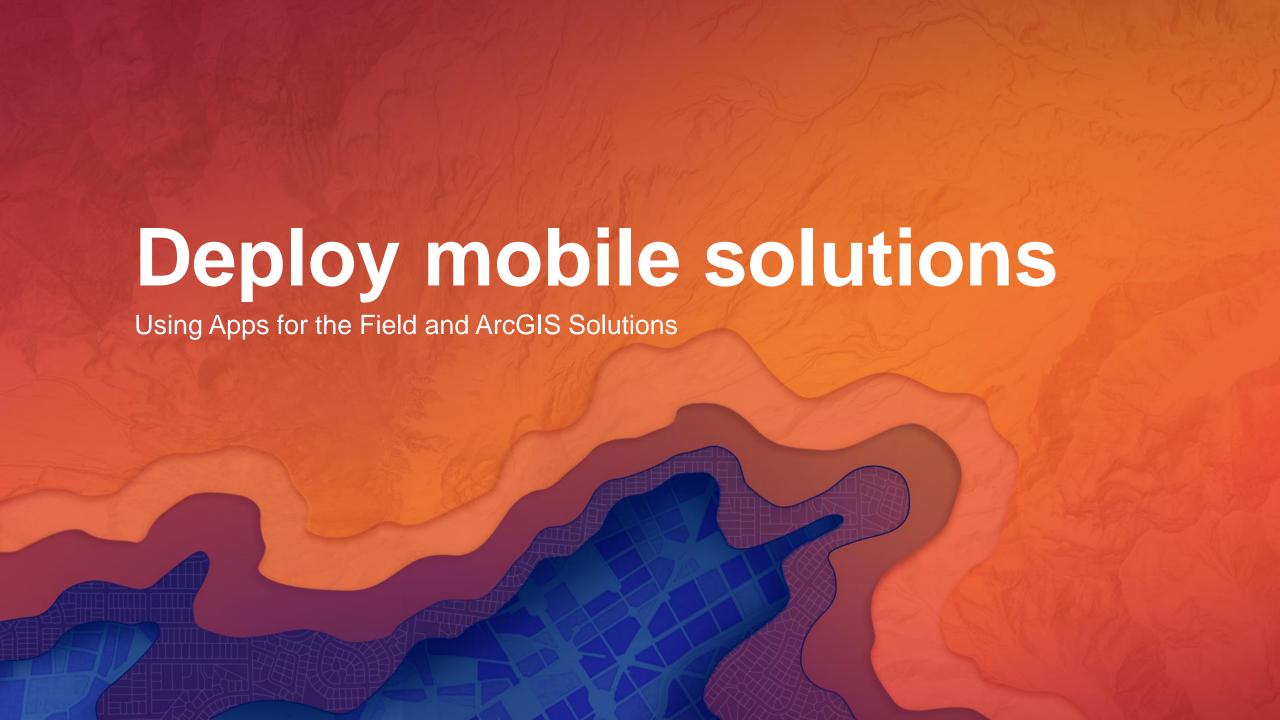


Configure

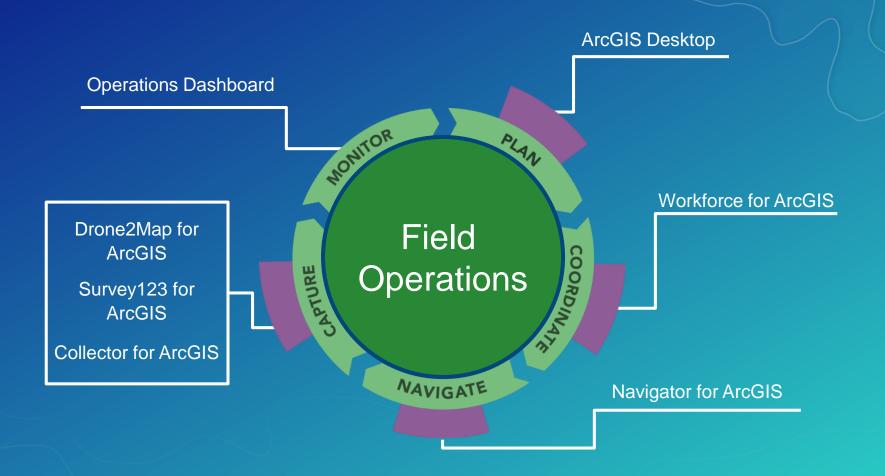
Supporting Text

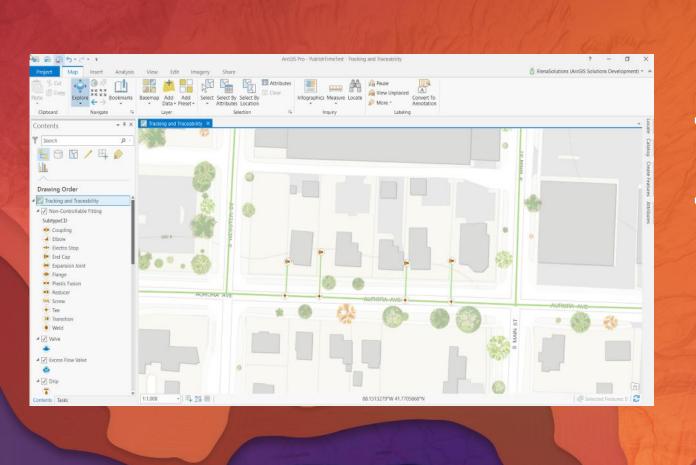
Review

- Deployment pattern for your organization
- Administration
 - Branding
 - Enterprise Logins
 - Roles
 - Credit budgeting



Apps for the Field





Tracking and Traceability

Review

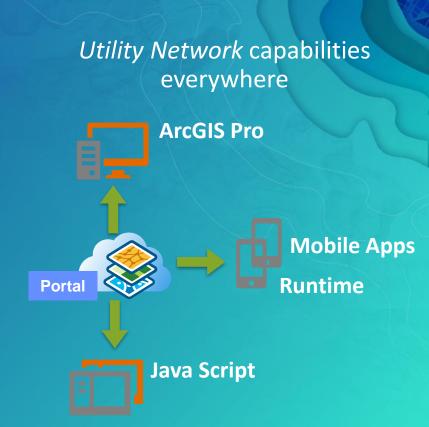
Deploy using ArcGIS Solutions Deployment Tool
Configure in your mapping portal
Collect using Collector for ArcGIS
Summarize using dashboards

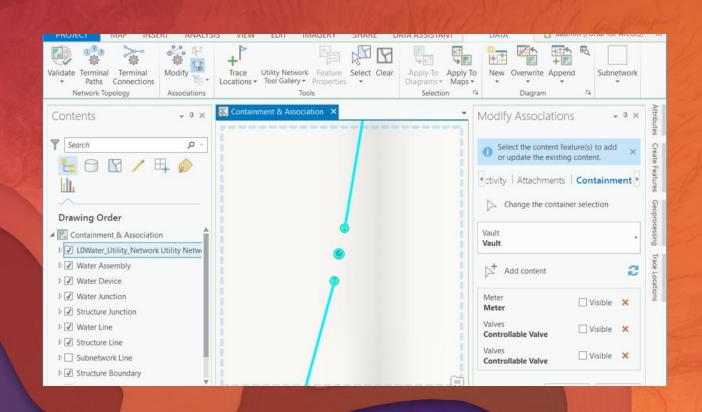


The Network Management Project

Vision Statement

- Esri's model for the next 10-15 years
- Services based architecture provides the ability to model, edit,
 and analyze complex networks across the entire Esri platform
- Rules enforce modeling concepts to better support true representations of assets in greater detail allowing for greater analysis
- Easy exchange of network information with other mission critical systems like Hydraulic Modelling
- Simplified data models provides increased performance and a highly responsive editing and analysis environment





Your network and ArcGIS Platform

Supporting Text

Storm Response

Damage Assessment Collector for Electric

Damage Collection Dashboard

Storm Vulnerability
Assessment

Social Media Sentiment

Impact Analysis

Field Inventory and Inspection

Hazard Notification

Hazard Reporting Collector

Joint Use Survey

Joint Use Survey Violations Notification

Customer Care

System Improvement
Report Streetlight Problem
Public Outage Map

Accounting

Pole Report

Entire Org

ArcFM Feeder Map

Electric Facility Maps

Electric Utilities ArcGIS
Online Model Organization
Map Notes

Asset Management

Data Reviewer

Map Change Request

Asset Management

As-Built Mapping

Map Change Request

Map Notes

As-Built Editing and Analysis

Data Reviewer

Field Inventory and Inspection

Damage Assessment Collector

Excavation Damages Collector

Exposed Pipe Inspection

Leak Survey Compliance Dashboard

Leak Survey Manager

Leak Survey Collector

Gas Relight

Facility Reports for Gas Distribution

Facility Reports for Gas Transmission

Facility Reports for Gathering

Tracking & Traceability

Entire Org

Utility Pipeline Data Model

Gas Facility Maps

Gas Utilities ArcGIS Online Model Organization

Utility Map Generator

Marketing

Potential New Customers

Customer Care

Gas Service Request

Gas Main Replacements Viewer

Gas Service Lookup

Legend

Desktop

Web (Web App / AGOL / AWAB)

Multiple

Apps (Collector / Ops Dashboard) Asset Management Capital Planning

Water Leak Investigator

Valve Exercising

Map Change Request

Water Utility Network Editing and Analysis

Data Reviewer

CCTV Processor

Water Utility Capital Planning

Proposed Water Design

Utility Isolation Trace

Entire Org

Sanitary Sewer Network Map

Stormwater Viewer

Water Distribution Network Map

Water Utilities ArcGIS Online Model Organization

Map Notes

Field Inventory and Inspection

Backflow Inspection

BMP Inventory & Inspection

Culvert Inventory & Inspection

Fire Flow Inspection

Hydrant Visual Inspection

Inlet Inventory & Inspection

Manhole Inventory & Inspection

Open Channel Inventory & Inspection

Outfall Inventory & Inspection

Compliance

Construction Site Violation

Water Inventory Reports

Combined Sewer Overflow Customer Care

Outage Viewer

Social Media Sentiment

Drinking Water Advisory

Sewer Service Lookup

Customer Complaints

Water Service Request

Accounting / Water Loss

High/Low Water Consumption

Watering Violations

Water Conservation
Dashboard

Nighttime Flow Analysis

Leak Logger Analysis

Safety / Enforcement

Illicit Discharge Trace

Watering Restrictions

Main Break Notification

Entire Org

Model Organization for Wireless, Wireline, Cable

Fiber Network Data Model

Core Maps Map Notes

Wireless Network Viewer

Marketing

Backhaul Optimization

Door to Door Sales Campaign

Upsell Analysis

Service Qualification

Point of Sale

Wireless/Wireline Bulk Serviceability Wireless Service Lookup

Retail Store Locator

Customer Care

Coverage Processing

Service Request Serviceability Lookup

Asset Management

Project Planning Markup

Hazard Reporting Collector

sset Management

Antenna Structure Information Model

Solutions for your industry. Solutions for your workflow. Solutions for you organization.

Staying Connected

- Esri Support Services
- User Communities
 - GeoNet
 - Esri Events
- Configuration Assistance
 - Esri Business Partners
 - Esri Professional Services
- ArcGISTeamUtilities@esri.com



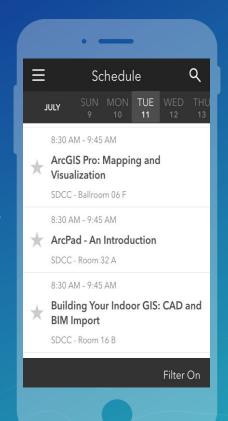


Please Take Our Survey on the Esri Events App!

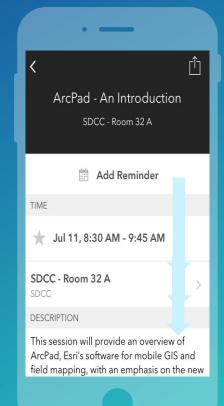
Download the Esri Events app and find your event



Select the session you attended



Scroll down to find the survey



Complete Answers and Select "Submit"

