

# A Mobile Enterprise

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# Overview

- **ArcGIS Mobile & your enterprise system**
- **Mobile Workflow**
- **Enterprise considerations**
- **Wrap Up**

# Things to look for

- **Mobile best practices will make for successful deployment**
- **One map, various users/applications**

# What is Mobile GIS?

- A mobile GIS is an extension of your GIS into the field leveraging maps on mobile devices
  - Carry your maps into the field
  - Collect and update geographic information
- An extension of the enterprise
  - Enabling a greater reach of your business workflows



# What is an Enterprise system?

- An integrated software package that uses information technology to support business processes, information flows, reporting, and data analytics within an organisation

# What is Enterprise GIS?

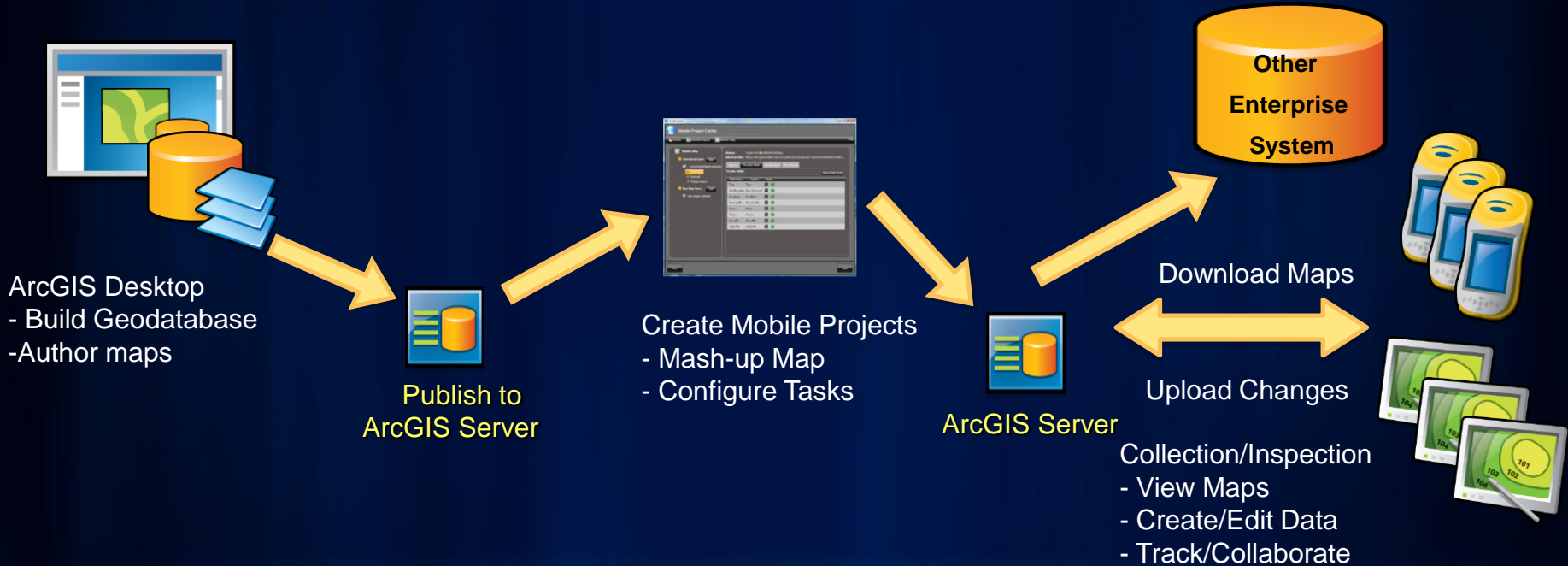
- Enterprise GIS is about spatial enablement of an organisation, its business processes and ultimately its ability to provide decision support
- Mobile is one capability of the system...

## Field Mobility

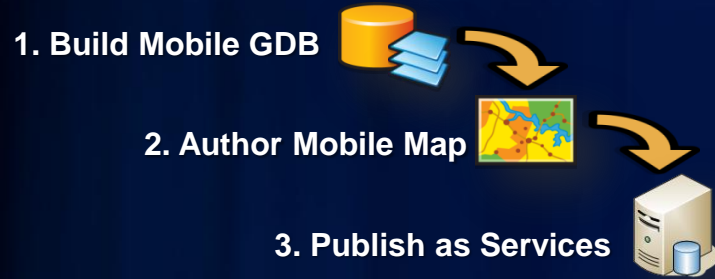
Get information  
Into and out of  
the field



# ArcGIS Mobile Deployment



# Mobile workflow overview



# Ozri Tree Lopping Service

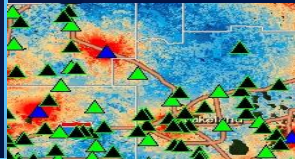
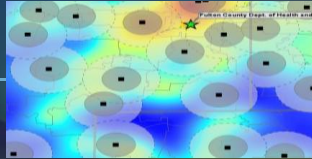


# Best Practices Authoring & Publishing

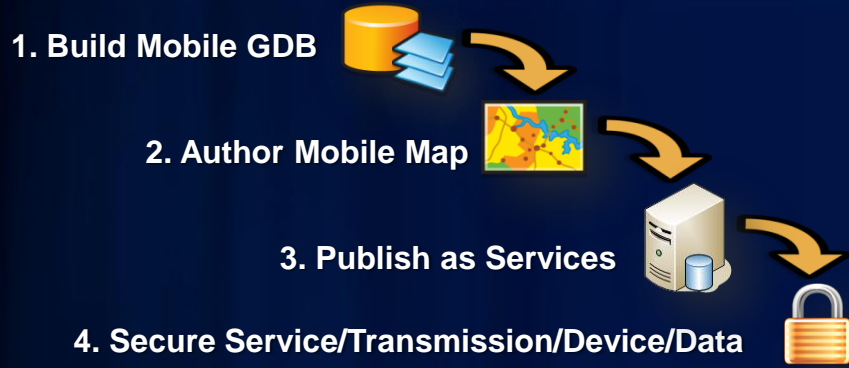
Build Mobile Geodatabase

Author Map document

Publish Map document



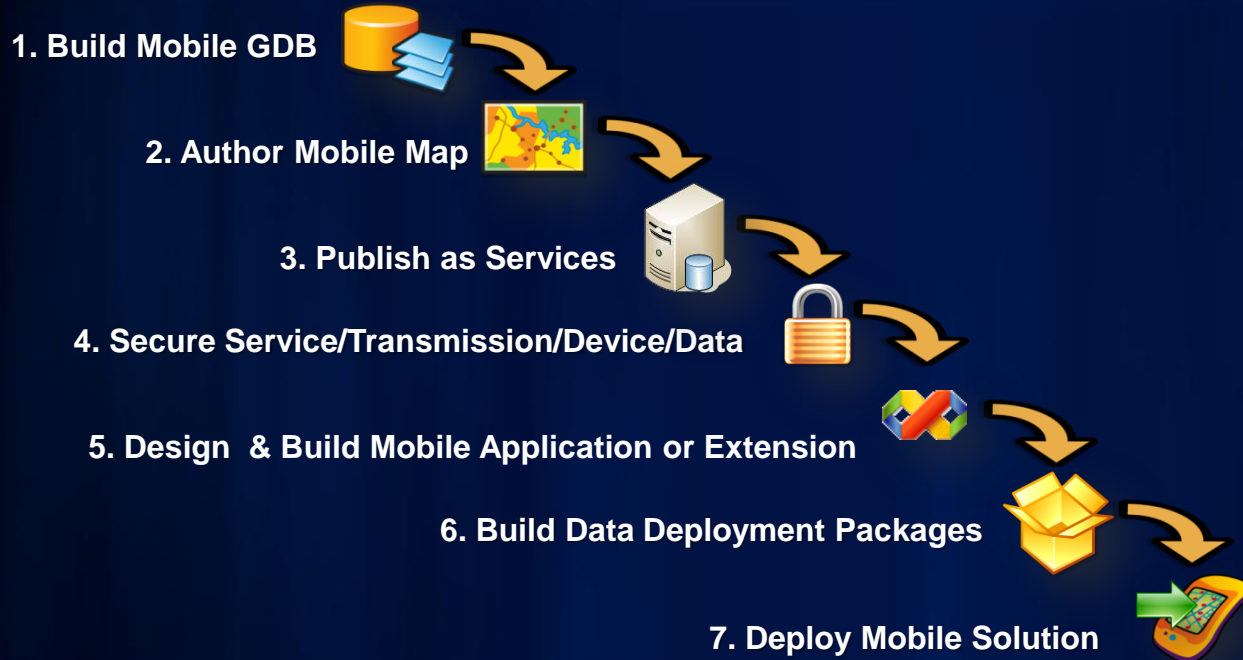
# Mobile workflow overview



# Considerations for securing your mobile application

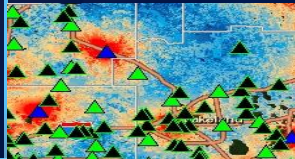
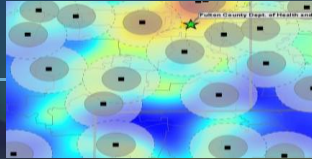
- **Secure Services**
  - Windows Authentication
  - Token Based
- **Firewalls**
  - Reverse Proxy
- **Cache security**
  - Mobile Computer protection
  - Cache Encryption

# Mobile workflow overview



# Build Mobile Project

Create Project & Tasks



# Mobile workflow overview

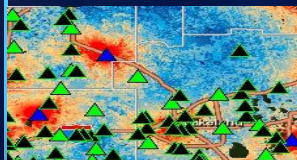
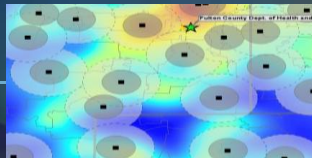


# Using ArcGIS Mobile in the Field

Download Project

Edit & capture data

Save project



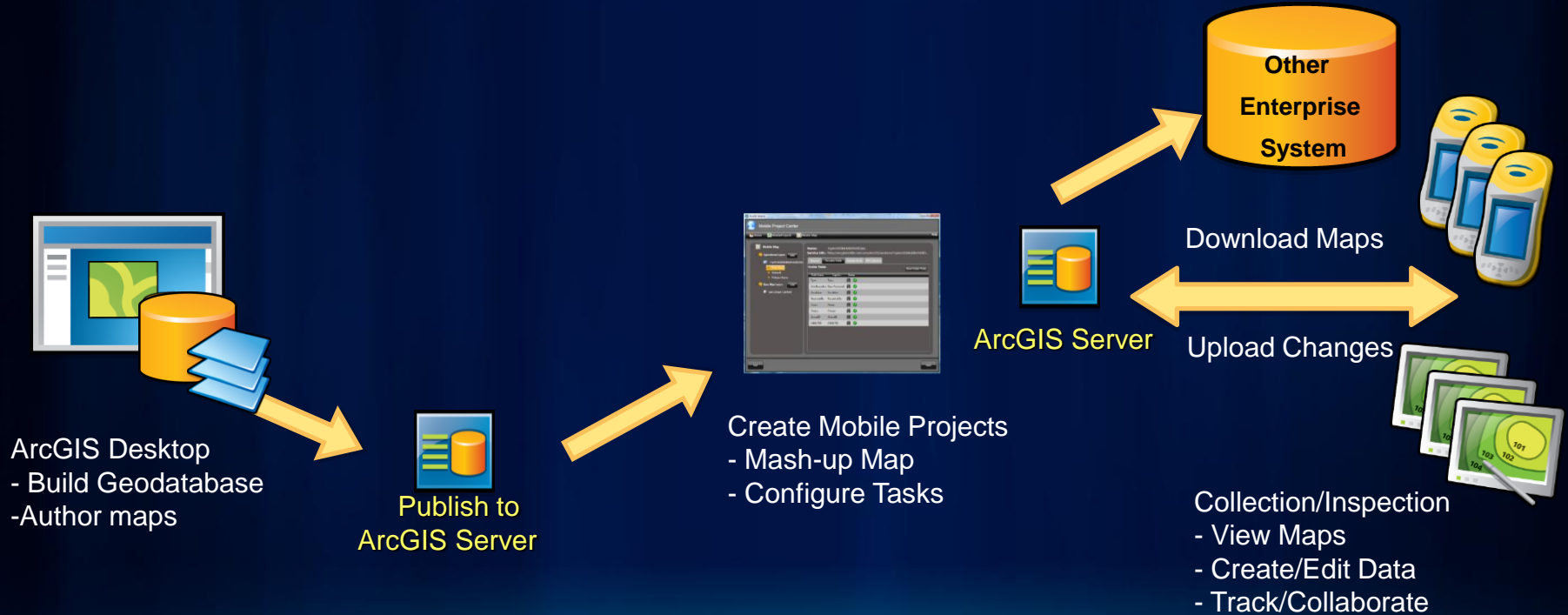
# Enterprise Considerations

- **Information workflows**
  - What are the entry and exit points
  - Analyze existing information workflows
  - Field workers are not database savvy
  
- **Technology Platforms**
  - Need to understand existing technologies in use and/or what components are needed to ensure success

# Enterprise Considerations cont

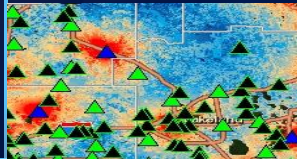
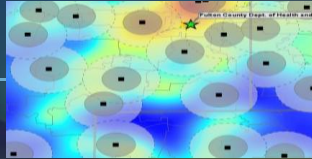
- **User loads and demands**
  - **Need to for field worker advocacy**
  - **Will not accept less than adequate experiences**
  - **Understand capabilities of the field workers**
  
- **Focus on service level agreement**
  - **How robust must system be?**
  - **When does it need to work?**
  - **Strategy for fail over?**

# Wrap Up



# Disseminate to other Enterprise Systems

Share the information across the enterprise



# Summary

- **Mobile best practices will make for successful deployment – Use the 8 Step Workflow**
- **One map, various users/applications**
  - **Manager (SAP, Excel & Word)**
  - **GIS Analyst (ArcGIS Desktop, Mobile Project Centre)**
  - **Field Crew (ArcGIS Mobile)**
  - **Administration staff (Flex Web Browser)**

# Data Providers

- Map Data Services



# Thankyou's

- ToughCorp for the device
- Active Tree Service for the basis our of story



# Training Courses

- **Authoring & Serving ArcGIS Mobile Products**
- **Esri Australia Training Schedule**

**<http://www.esriaustralia.com.au/esri/3019.html>**

# Additional Information

- **Whitepaper**
  - **Configuring ArcGIS Mobile Stand Alone**
    - <http://www.esriaustralia.com.au/esri/search.html?searchType=simple&query=ArcGIS+Mobile>
- **ArcGIS Resource Centre**
  - **ArcGIS Mobile**
    - <http://www.esriaustralia.com.au/esri/search.html?searchType=simple&query=ArcGIS+Mobile>

# Thank you

Questions?



**esri** Australia