Web Editing with ArcGIS Server
Air Combat Command
Agenda

- What is Geobase?
- Project Overview
- Editing Workflow
- Application Design
- Application Demonstration
- Discussion
What is GeoBase?

- In short… “The USAF’s non-intel geospatial program”
- The program includes data, infrastructure, training, and stewardship
- Core products are data and services. The data includes the “Common Installation Picture”
What is ACC GeoBase?

- Air Combat Command’s GeoBase program
- Includes ACC CONUS sites, CENTAF, and AFSOUTH
- The GCSS-AF Portal is the major delivery vehicle for our services and data
Project Overview

- Web Based GIS Editing Application
  - ArcGIS Server Enterprise Advanced
  - .NET Framework 2.0
  - Visual Studio C#

- Advantages of ArcGIS Server
  - Data maintained in versioned or non-versioned geodatabase
  - Services developed and published in ArcGIS Desktop
  - Application tasks available for use on a browser, ArcGIS Explorer, and ArcGIS Desktop
Editing Workflow

- Non-Versioned Editing Environment
- Versioned Editing Environment
  - Default
  - View
  - Edit
    - Facility 1
      - Users
    - Facility 2
      - Users
    - Etc…
Application Demonstration

- Design
- Navigation
- Querying

- Editing
- Help
- Service Creation
Browser Client Components

- Console
- Tool Bar
- Adjustable Frame Split
- Map Display Frame
Tool Bar Components

1. Zoom In
2. Zoom Out
3. Pan
4. Full Extent
5. Measure
6. Identify
7. Search
8. Print
9. Jump to Bookmark
10. Help
11. Close Window
12. Overview
13. Dynamic Scale Bar
Docking Panel Components

- Table of Contents
- Tasks
- Results

Table of Contents
- Symbology
- Expand / Collapse
- Turn Off / On

Tasks
- Editing
- Search
- X,Y Data Load

Results
- Identify
- Search
- Server Tasks
Editing Task Features

1. Selectable Version
2. Contextual Tools
   • Point
   • Line
   • Polygon
   • Domains
3. Dockable Panels
4. Advanced Settings
   • Snapping
   • Selection
5. Multi-Level Expand / Collapse
Editing Tools

- Edit Layer Select
- Select Feature
- Clear Features
- Show Vertices
- Undo / Redo
- Save Edits
- Enter XY Values
- Move Feature
- Copy Feature
- Split Feature
- Merge Features
- Delete Feature
- Add / Delete Vertex
- Move Vertex
Attribute Editing

- Selectable Domain Values
- Data Type Enforcement
- Scrollable Panel
- Multiple Selection
Other Features

- Map Document Driven
- Unique URLs for Multiple Services
- No Special Configuration Files
- Edit / View / Base Group Layers
  - Identify Excludes Base Layers
  - View Only Group Layer Not Editable
- Identify Tool
- “Portable” Tasks
- Print to PDF
- Measure Tool
Discussion

Air Combat Command

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