Configure Web AppBuilder
Widgets

Shondra Grenz, Christine Ma
Agenda

● What is Web AppBuilder (WAB) and what are WAB widgets?
● Considerations before building the application
● Demo: Creating a web application with 4 widgets in 15 minutes
● How to troubleshoot WAB widget issues
What is Web AppBuilder?

- Create 2D and 3D web apps without writing a single line of code
- Interactive what-you-see-is-what-you-get (WYSIWYG) user experience
- Ability to configure themes and customize templates
- Build the apps using ready-to-use widgets
What are WAB Widgets?

- Building blocks to build web apps in WAB
- Categorized as two types: off-panel and in-panel
- Mix & Match widgets for customized applications
- Over 50 2D widgets and 15 3D widgets
- Further customization: Web AppBuilder Developer Edition
Points to consider before creating the web application

Who will be using this web application?
- Internal/ public

What does the app do?
- Task and Workflow

What data/service do you need?
- Widgets data requirements. Data interaction.
- Utility and Premium services.

How will the web app be accessed?
- Browser/ Mobile

What type of experience is this app trying to convey?
- General look and feel
Example: CitiBike application

A simple, easy way to get the most out of Miami.

1 UNLOCK FROM ANY STATION
2 RIDE WHEREVER YOU WANT
3 RETURN TO ANY STATION

Sign up
Points to consider before creating the CitiBike application

Who will be using this web application?
- CitiBike users

What does the app do?
- Search, Near Me, Query and Direction

What data/service do you need?
- CitiBike stations (Point) and NYC attractions(Point). Biking travel mode.

How will the web app be accessed?
- Both browser and mobile devices

What type of experience is this app trying to convey?
- Simple, clear and easy for anyone to use
Demo
Build a web application in 15 minutes
Commonly asked questions

- No point feature layer shows up when configuring District Lookup Widget.
- My custom basemap does not show up in Basemap Gallery Widget.
- Publicly shared web app with Direction widget prompted user with login screen.
- One feature layer does not draw in the application.
How to troubleshoot WAB widget issues

• Widgets Help Documentation
  

No point feature layer shows up when configuring District Lookup Widget.
“No point feature layer shows up when configuring District Lookup Widget. “The structure of the layers requires a relationship between a point feature and a polygon feature and must be a one-to-one geodatabase relationship.”

My custom basemap does not show up in Basemap Gallery Widget
“In general, basemaps with tiling schemas that are different than that of the current basemap are excluded from the widget.”
How to troubleshoot WAB widget issues

- Are there any errors in Fiddler or Browser Developer tools?

Publicly shared web app with Direction widget prompted user with login screen - Fiddler.
How to troubleshoot WAB widget issues

• Are there any errors in Fiddler or Browser Developer tools? Publicly shared web app with Direction widget prompted user with login screen- Fiddler.

Cause: The routing service is used to run the Directions widget. This service require access from members of an organizational account and consume credits.

Solution: Add the routing service to Subscriber content access in Attribute tab when configuring Web AppBuilder.
How to troubleshoot WAB widget issues

• Are there any errors in Fiddler or Browser Developer tools?

One feature layer does not draw in the application- Browser Developer tool.
Resources

- WebAppBuilder Help Documentation
- Web AppBuilder Gallery
  https://www.arcgis.com/home/gallery.html#c=esri&t=maps&o=modified
- What’s New in Web AppBuilder for ArcGIS (June 2017)
- WebAppBuilder Developer Edition
  https://developers.arcgis.com/web-appbuilder/
- Service credits overview
  http://www.esri.com/software/arcgis/arcgisonline/credits
- Fiddler download
  https://www.telerik.com/download/fiddler
Summary

- Value of WAB and its widgets
- Five questions to consider before building the application
- Six steps to create an application with widgets
- Help documentation is your best friend!
Questions?