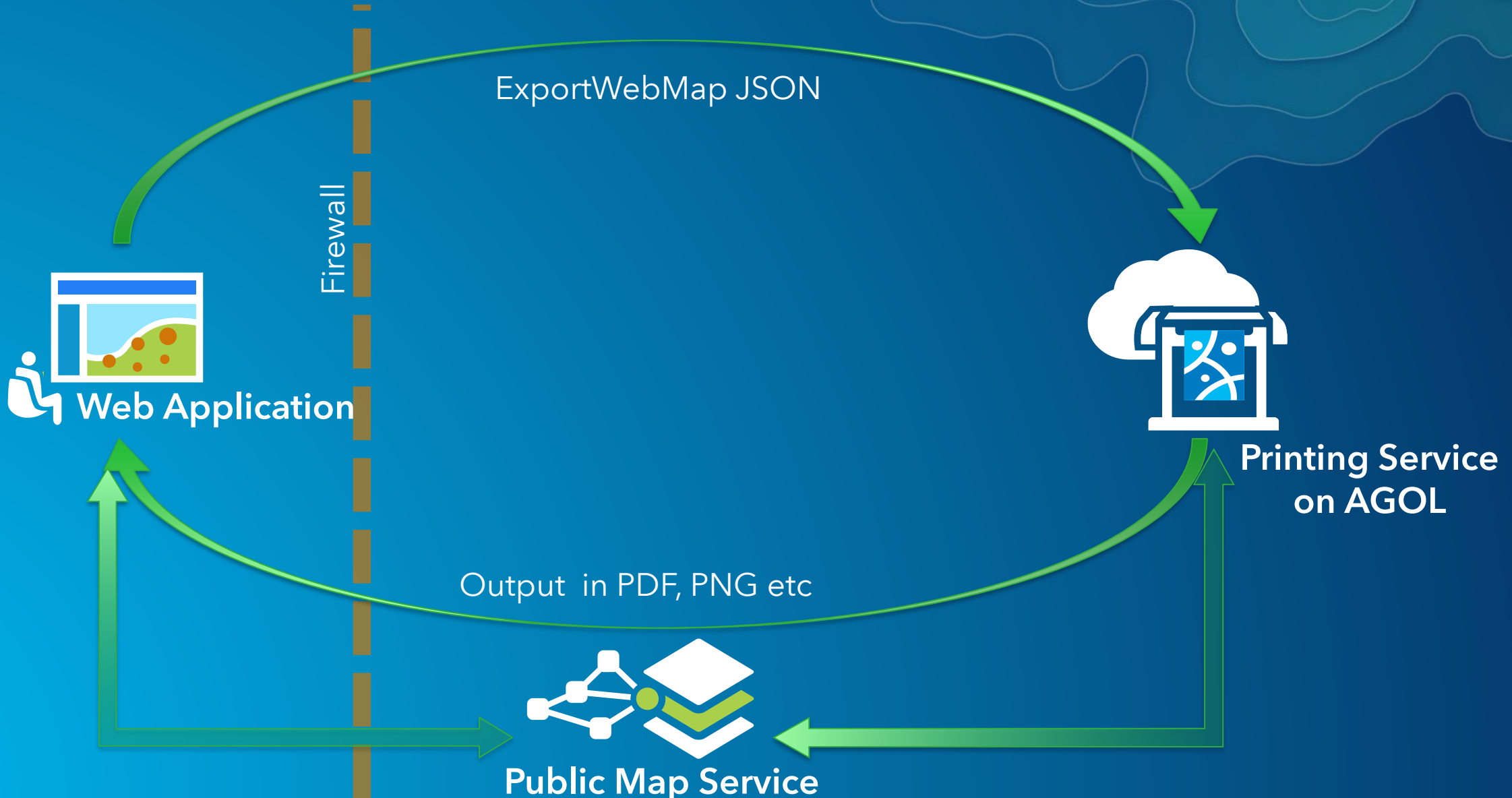
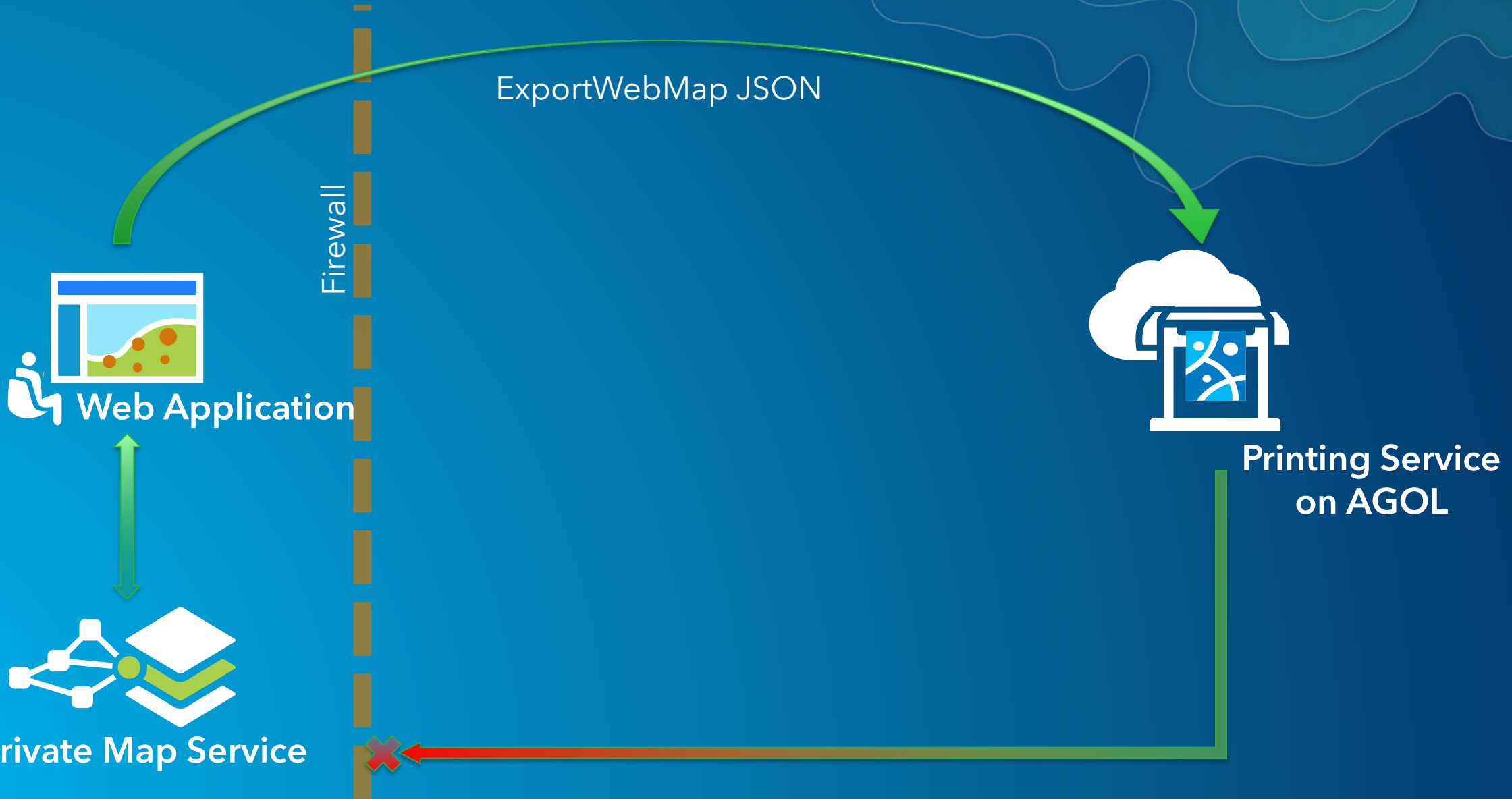
Enabling High-Quality Printing in Web Applications

TANU HOQUE

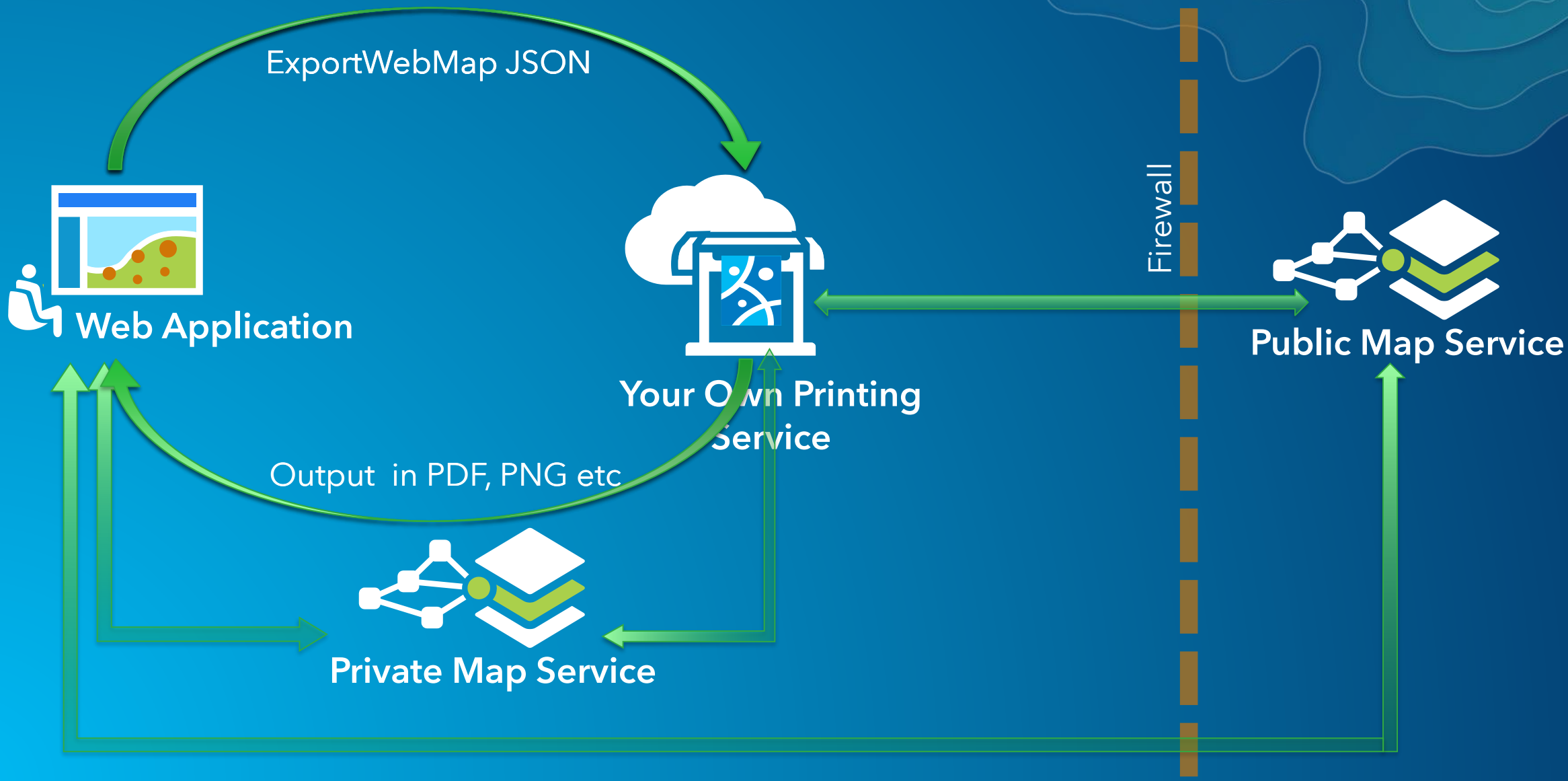
ArcGIS Online Printing Service – with Public Services



ArcGIS Online Printing Service - Accessing Internal Services



ArcGIS Online Printing Service – with Public Services

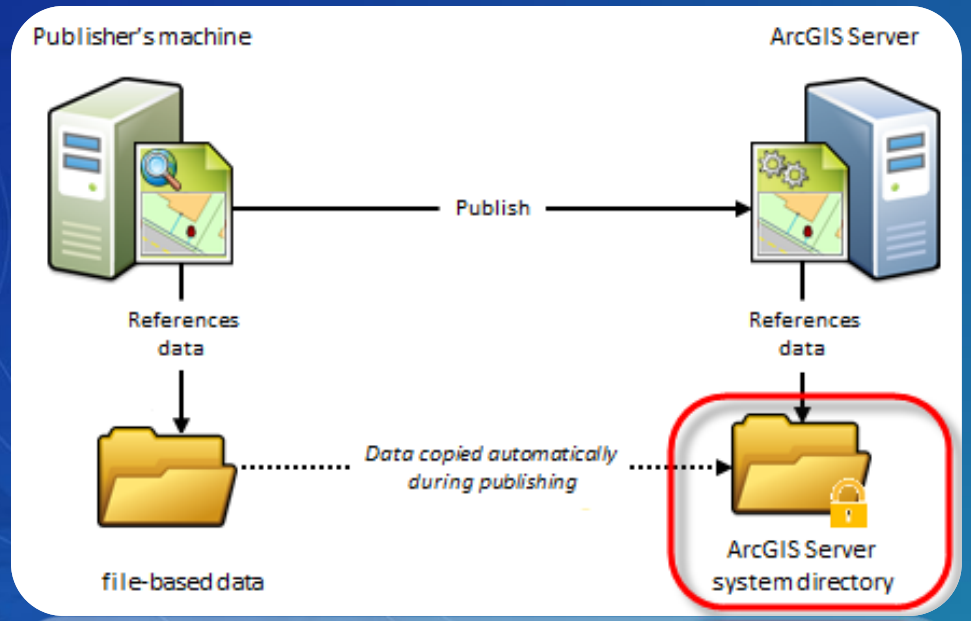


- Accessing services from within your network
- Predefined templates do not meet your requirements
  - Branding – logo, layout design, fonts etc.
- Advanced use cases:
  - Vector output
  - Print popups
  - Multiple page output with
    - legal documents
    - reports
    - pictures
    - driving directions etc.

Layout Templates Location and Register to ArcGIS Server

Concepts

Option #1: when folder is not registered, templates get copied to server

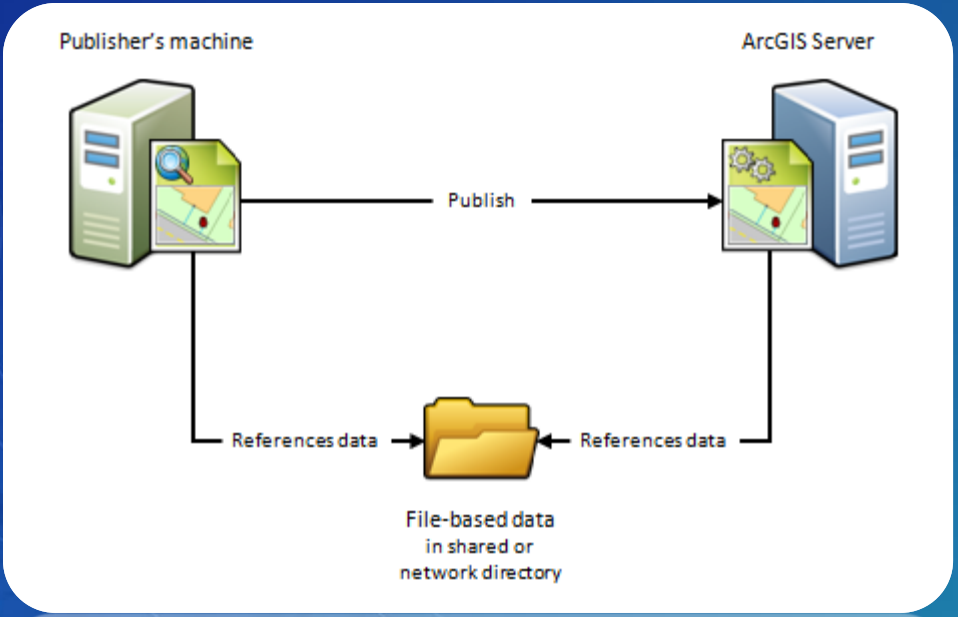


- Updates to templates requires republishing

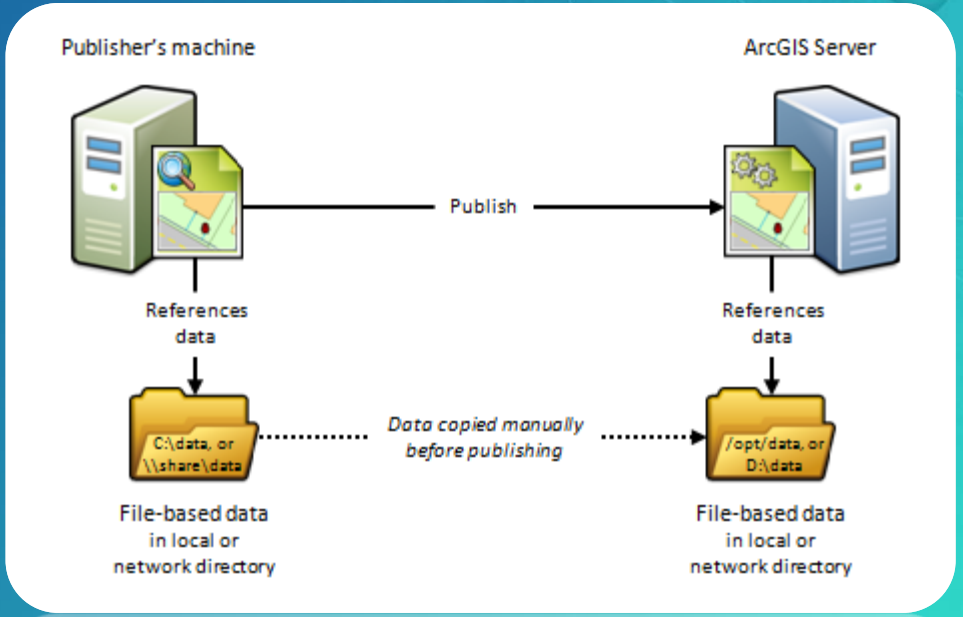
Layout Templates Location and Register to ArcGIS Server

Concepts

Option #2: in a network shared folder



Option #3: Unmanaged folder on the server

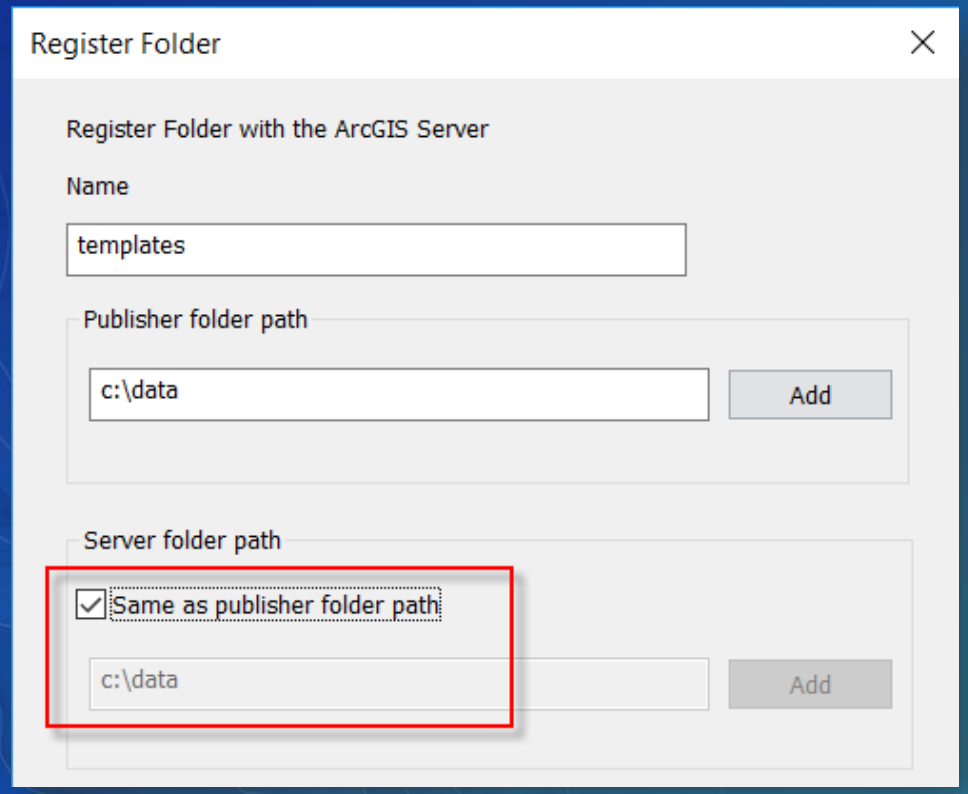


Update templates without republishing or restarting

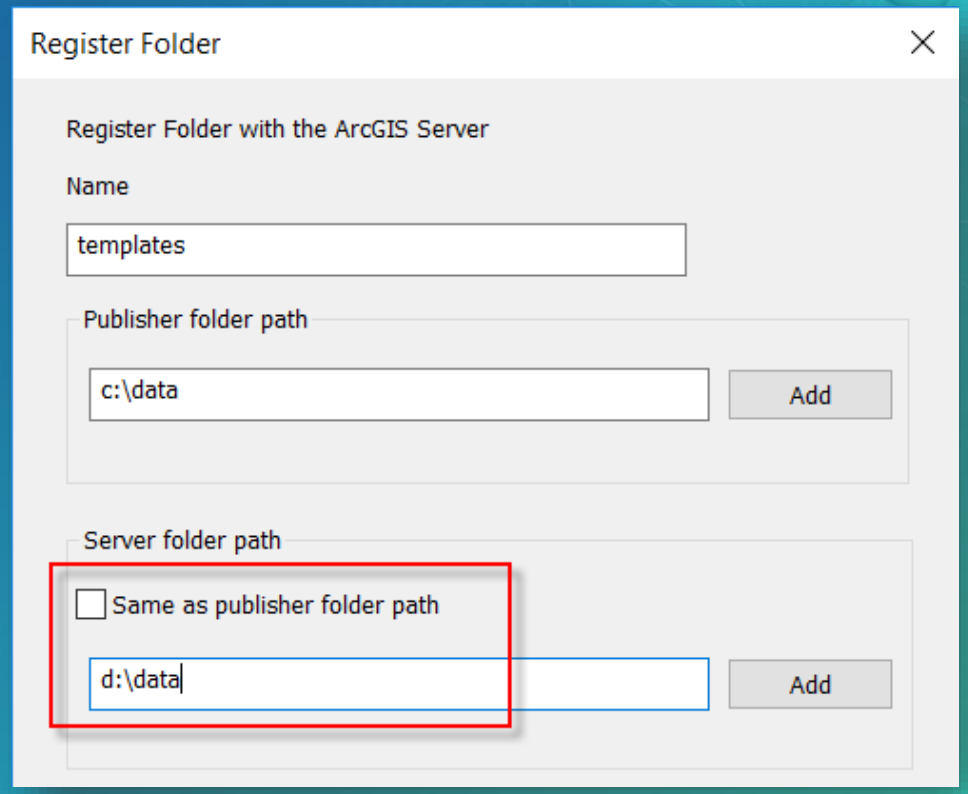
Layout Templates Location and Register to ArcGIS Server

Registering folder from ArcMap

Option #2: in a network shared folder



Option #3: Unmanaged folder on the server



Recap

- ArcGIS Online Map Viewer and Web App Builder supports Printing
  - The default printing service is hosted on ArcGIS Online
- Custom printing service
  - Services within your network
  - Non token based secured service
  - Your custom layouts
- All Web APIs support printing tasks or widgets
- ArcPy printing for advanced printing
  - Blog post: http://esriurl.com/11515

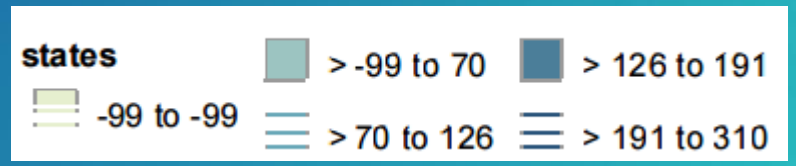
Recap

Layout templates

- Remove all existing layers
  - Except in the overview map or
  - For advanced vector printing (http://esriurl.com/11507)
- Updating existing template will not need republishing
  - Unless you didn't register template folder to the data store
- Embed images e.g. logos
  - Exception in advanced arcpy printing case that requires replacing pictures for each request
- Get Layout Templates Info
  - New python script tool at 10.4
  - Available to download from http://esriurl.com/11517 to be used with previous Server versions

Considerations and Limitations

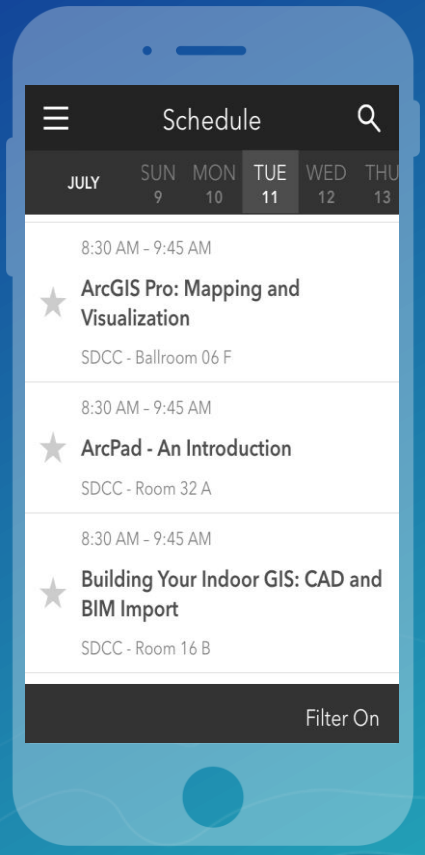
- Republishing required when templates are added or removed
- Fonts must be available
  - Use Unicode supported fonts
- Avoid color level transparencies with graphics or feature layer
  - May not draw correctly
  - Legends will not appear correctly
- Legend patches appeared broken in PDF
  - http://esriurl.com/11509



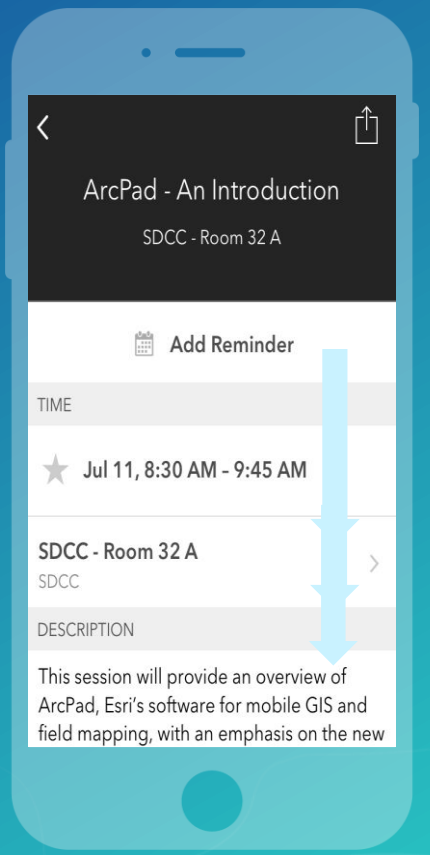
Please Take Our Survey on the **Esri Events App!**

Download the Esri Events app and find your event

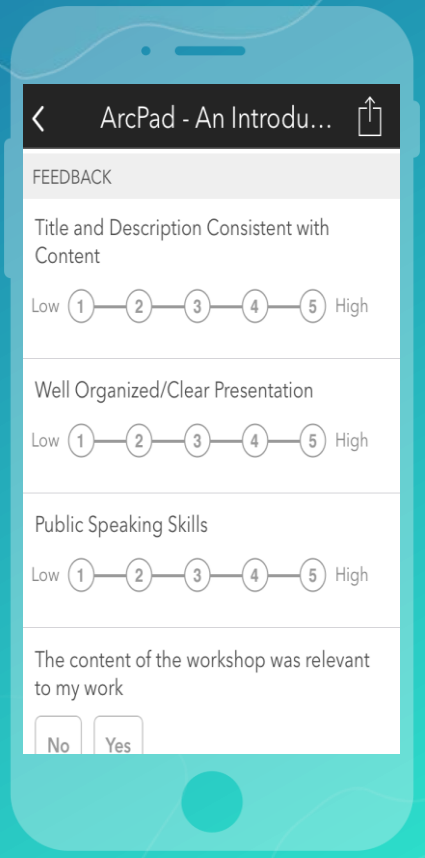
Select the session you attended



Scroll down to find the survey



Complete Answers and Select "Submit"



Thank you

Related topics:

- Working with Printing Service: Advanced Topics
  (Thursday, July 13) @ 11:30 am in Demo Theater #8

esri
THE
SCIENCE
OF
WHERE