

ESRI DEVELOPER SUMMIT 2023

Deployment

Two Patterns

- ArcGIS Enterprise
- Developer edition > host on a web server

Deployment: ArcGIS Enterprise

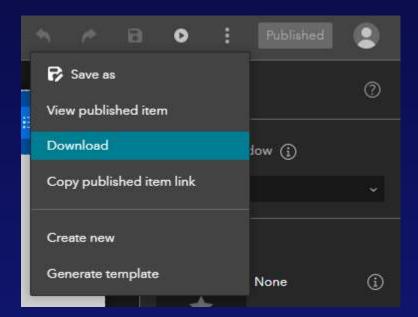
- Deploy custom widgets to Experience Builder within ArcGIS Enterprise
- Users within ArcGIS Enterprise can build Experiences with those custom widgets
- ArcGIS Enterprise 11.0 or higher

Detailed instructions: <u>esriurl.com/exb-widget-enterprise</u>

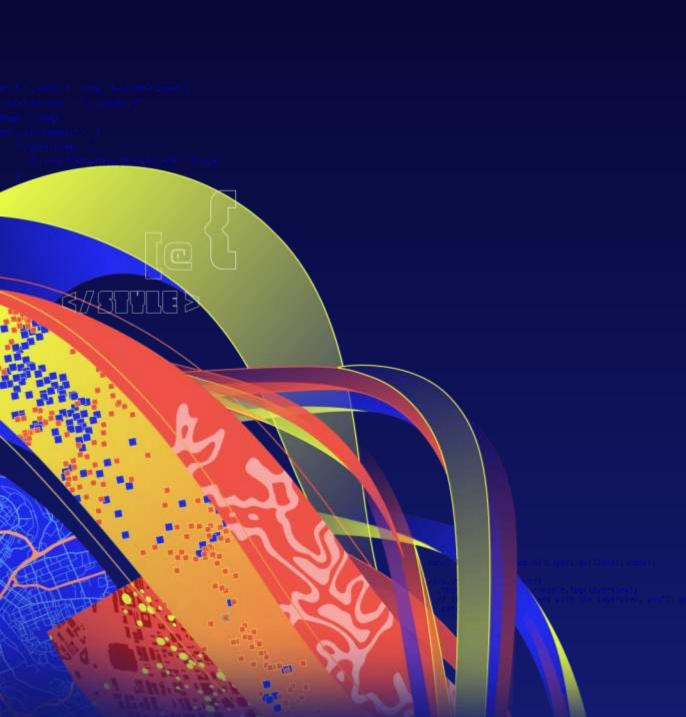


Deployment: Developer Edition

- 1. Build the Experience with your custom widgets
- 2. Download as ZIP



- 3. Unzip files
- 4. Add clientId to cdn/1/config.json
- 5. Host the files on a web server



Demo

Developer Edition Deployment

Automated Deployment



Why automation?

- Faster builds
- Consistent builds
- Easier for testers
- The "reference" application

How to automate

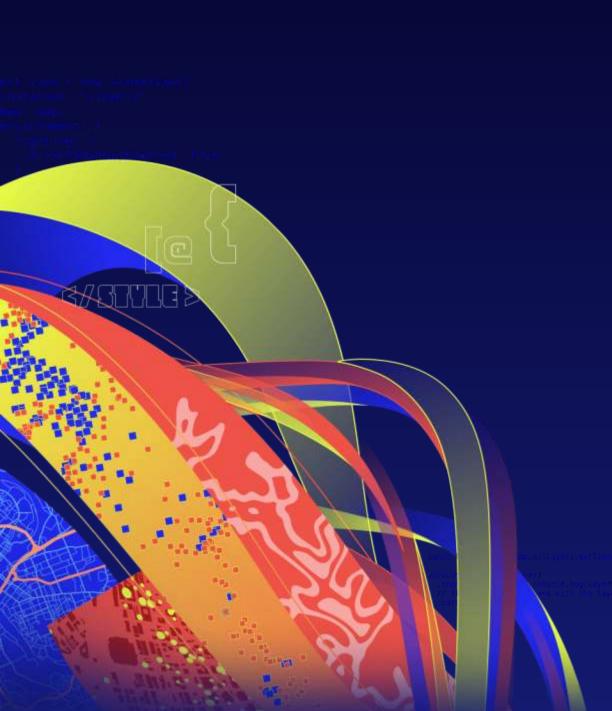
- Store the reference version of each app
- Auto-build using your CI/CD env of choice:
 - Azure DevOps
 - GitHub Actions*
 - GitLab Actions
 - Jenkins
 - Etc.

Folder structure

- manifest.json
- •apps/
 - 0/
 - 1/
 - 2/
 - . .
- widgets/
 - custom-widget-1/
 - custom-widget-2/
 - ...

Automatic build

- Create file: github/workflows/build-app.yml
- Demo repo:
 github.com/gavinr/experience-builder-devops-example



Automatic Build

<u>Demo</u>

Automatic build outcomes

- Consistent outputs
- Easier version management (via Git branching)
- Quicker bug investigations (is it happening on the reference app?)
- More organized management of app config versions

Activity

30 Minutes

- Deploy your app to Surge.sh (or similar accessible hosting platform)
- If you have access to ArcGIS Enterprise, deploy a custom widget there.
- Set up an automated build with GitHub Actions (or similar)
- Documentation:
 - developers.arcgis.com/experience-builder/guide/deployment-topics/
 - esriurl.com/exb-widget-enterprise
 - github.com/gavinr/experience-builder-devops-example

