

# Configuring Web Apps Using ArcGIS® Web AppBuilder

STUDENT EDITION

Copyright © 2021 Esri  
All rights reserved.

Course version 6.0. Version release date March 2021.

Printed in the United States of America.

The information contained in this document is the exclusive property of Esri. This work is protected under United States copyright law and other international copyright treaties and conventions. No part of this work may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording, or by any information storage or retrieval system, except as expressly permitted in writing by Esri. All requests should be sent to Attention: Director, Contracts and Legal, Esri, 380 New York Street, Redlands, CA 92373-8100, USA.

**Export Notice:** Use of these Materials is subject to U.S. export control laws and regulations including the U.S. Department of Commerce Export Administration Regulations (EAR). Diversion of these Materials contrary to U.S. law is prohibited.

The information contained in this document is subject to change without notice.

**Commercial Training Course Agreement Terms:** The Training Course and any software, documentation, course materials or data delivered with the Training Course is subject to the terms of the Master Agreement for Products and Services, which is available at <https://www.esri.com/~media/Files/Pdfs/legal/pdfs/ma-full/ma-full.pdf>. The license rights in the Master Agreement strictly govern Licensee's use, reproduction, or disclosure of the software, documentation, course materials and data. Training Course students may use the course materials for their personal use and may not copy or redistribute for any purpose. Contractor/Manufacturer is Esri, 380 New York Street, Redlands, CA 92373-8100, USA.

**Esri Trademarks:** Esri trademarks and product names mentioned herein are subject to the terms of use found at the following website: <https://www.esri.com/legal/copyright-trademarks.html>.

Other companies and products or services mentioned herein may be trademarks, service marks or registered marks of their respective mark owners.

# Table of Contents

Esri resources for your organization

## Course introduction

- Course introduction
- Course goals
- Training Services account credentials
- Icons used in this workbook

## 1 Introduction to ArcGIS Web AppBuilder

- Lesson introduction
- Web app options in ArcGIS
- Workflow for creating a web app
- Components of a Web AppBuilder web app
- Identifying the components of a web app
- Creating a web app using Web AppBuilder
- Adding metadata to your web app
- Exercise 1: Create a web app using Web AppBuilder
  - Sign in to ArcGIS Online and create a course folder
  - Share a web map
  - Configure the web app's theme and widgets
  - Configure the web app's branding
  - Preview and launch the web app
- Create a web app using Web AppBuilder
- Answers to Lesson 1 questions

## 2 Applying themes to web apps

- Lesson introduction
- App design considerations: requirements gathering
- The importance of branding
- Choosing a theme
- Using shared templates
- Exercise 2: Create a template from a Web AppBuilder web app
  - Open the web app
  - Export the web app
- Lesson review
- Answers to Lesson 2 questions

## 3 Configuring widgets in web apps

- Lesson introduction

- App design considerations: functionality
- Understanding widgets
- Working with widgets
- Choosing a widget
- Exercise 3: Configure widgets in web apps
  - Create a parcel viewer web app
  - Configure the web app
  - Preview the web app
  - Add selection capabilities
  - Create a dashboard web app
  - Configure the dashboard web app
  - Preview the dashboard web app
- Lesson review
- Answers to Lesson 3 questions

## 4 Building a 3D web app

- Lesson introduction
- Cases for 3D web apps
- Creating a 3D web app using Web AppBuilder
- Exercise 4: Create a 3D web app
  - Examine app requirements and create a web app
  - Test and redeploy the web app
  - Exercise solution with steps
- Ways to use 3D data in web apps
- Lesson review
- Answers to Lesson 4 questions
- Exercise 4 solution

## Appendices

- Appendix A: Esri data license agreement
- Appendix B: Answers to lesson review questions