ArcGIS® 4: Sharing Content on the Web
Course introduction

Introduction
Course goals
Additional resources
Installing the course data
Icons used in this workbook
Understanding the ArcGIS Platform

1 The ArcGIS platform

Lesson introduction
Advantages of the ArcGIS platform
Enterprise portals
ArcGIS Enterprise and GIS services
Organizing a workflow
Using an Enterprise portal
Exploring Enterprise portals
Web maps
Creating a web map
Exercise configuration
Exercise 1: Create a web map
  Sign in to the ArcGIS Enterprise portal
  Create a web map
  Configure layer symbology
  Add labels and a filter
  Configure layer pop-ups
  Save and share the map
Lesson review

2 Publishing to the platform

Lesson introduction
Workflow: Publishing services
Service protocols
Exploring the ArcGIS platform
Data sources
Registration types
Registering a data source
Data source permissions
Exercise 2: Publish to the ArcGIS platform
  Register the data source
  Author a map
  Publish a map service
  Add a map service to a web map
Lesson review
3 Sharing published content

Lesson introduction
Publishing and sharing content
Workflow for sharing
Choosing with whom to share
Sharing content in an Enterprise portal
Exercise 3: Share content using an Enterprise portal
  Create a group
  Add content to a group
  Share group content
Lesson review

4 Publishing map services

Lesson introduction
Map service workflow
How dynamic map services work
Guidelines for authoring map services
Publishing a map service
Exercise 4A: Author, publish, and use a map service
  Author the map
  Publish the map
  Use the map service
Cached map services
Map cache workflow
Tile packages
Applying the caching workflow
Exercise 4B: Build and apply a map cache
  Prepare the map
  Publish a cached map service
  Test the cached map service
  Combine map services
Lesson review

5 Publishing feature services

Lesson introduction
Sharing features
What type of service would you publish?
Feature service workflow
Publishing a feature service
Exercise 5: Publish and use a feature service
  Prepare the feature service
  Configure the feature service
  Publish the feature service
6  Enabling feature service editing

Lesson introduction
Preparing data for editing
Creating feature templates
Enabling feature attachments
Publishing a feature service for editing
Enabling feature service operations
Which operations do you enable?
Exercise 6: Configure a feature service for editing (ArcMap)
  - Create a feature template
  - Publish a feature layer
  - Modify the web map
  - Create an editable web application
  - Apply edits to a feature service

Lesson review

7  Creating and sharing web apps

Lesson introduction
Types of apps
Configurable apps
Web AppBuilder for ArcGIS
Building a configurable app
Exercise 7: Build a web app
  - Review web app requirements
  - Create a new web app
  - Apply a theme, style, and layout
  - Configure a web map
  - Add functionality
  - Apply branding to the app
  - Preview and launch the app

Lesson review

8  Publishing image services

Lesson introduction
Image services
Preparing to publish an image service
Publishing an image service
Building pyramids and caches
Should I publish an image service?
Raster functions
Publishing an image service
Exercise 8: Publish an image service
  Prepare the map document
  Create raster function templates
  Publish an image service
  View the image service
Lesson review

9 Publishing geocode services
Lesson introduction
Creating a locator
Publishing a locator
Using a geocode service
Creating and publishing a locator
Exercise 9: Publish a geocode service
  Create a locator
  Publish the locator as a service
  Use the geocode service in the search widget
Lesson review

10 Publishing geoprocessing services
Lesson introduction
Using analysis tools
Geoprocessing services
Authoring and running a model
Publishing geoprocessing results
Using geoprocessing services
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Exercise 10: Publish a geoprocessing model
  Publish a geoprocessing service
  Create a web app
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Lesson review

Appendixes

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Appendix B: Answers to lesson review questions
Lesson 1: The ArcGIS platform
Lesson 2: Publishing to the platform
Lesson 3: Sharing published content
Lesson 4: Publishing map services
Lesson 5: Publishing feature services
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Lesson 10: Publishing geoprocessing services