ArcGIS® Enterprise:
Configuring a Base Deployment
Table of Contents

Esri resources for your organization

Course introduction

Course introduction
Course goals
Installing the course data
Icons used in this workbook
Understanding the ArcGIS platform

1 ArcGIS Enterprise overview

Lesson introduction
What is ArcGIS Enterprise?
What can ArcGIS Enterprise do?
Explain the components of the base ArcGIS Enterprise deployment
Describe base deployment prerequisites and considerations
How is a base deployment set up?
How do you automate a base deployment setup?
Classroom PC environment
Lesson review
Answers to Lesson 1 questions

2 Configuring a secure environment

Lesson introduction
Identify component communication
HTTPS encryption
Exercise 2: Enable HTTPS encryption
   Inspect the domain certificate
   Bind the certificate to HTTPS
   Verify HTTPS communication
Lesson review
Workflow
Answers to Lesson 2 questions

3 Setting up a portal

Lesson introduction
Portal for ArcGIS installation overview
Portal for ArcGIS account
Exercise 3A: Complete a Portal for ArcGIS installation
   Complete the initial configuration of your portal
4 Setting up a GIS server

Lesson introduction
ArcGIS Server installation overview
Explore the ArcGIS Server installation
ArcGIS Server directories and configuration store
Choosing the optimal location for ArcGIS Server directories and the configuration store
Exercise 4A: Set up your ArcGIS Server site
   - Create your ArcGIS Server site
   - Install and configure your web adaptor
   - Import the web server certificate
   - Explore your site
Federation
Migrating from a stand-alone server
Exercise 4B: Federate your ArcGIS Server site with your Enterprise portal
   - Configure federation
   - Explore changes to your implementation
Lesson review
Workflow
Answers to Lesson 4 questions

5 Managing GIS resources

Lesson introduction
ArcGIS Data Store
Setting up ArcGIS Data Store
Configuring the hosting server
Exercise 5A: Set up ArcGIS Data Store
   - Install ArcGIS Data Store
   - Create relational and tile cache data stores
   - Import the certificate for the ArcGIS Data Store
   - Designate the hosting server
   - Share a hosted layer
6 Securing a base deployment

Lesson introduction
Understanding identity stores
Configuring portal authentication
Choosing an authentication method
Setting up an enterprise identity store
Exercise 6A: Configure an enterprise identity store and authentication
  Configure enterprise logins
  Assign an Enterprise portal administrator
  Configure web-tier authentication
  Test the SSO
Security best practices
ArcGIS Enterprise security options
Exercise 6B: Evaluate security for a base deployment
  Scan your Portal for ArcGIS for security best practices
  Scan your ArcGIS Server for security best practices
Lesson review
Workflow
Answers to Lesson 6 questions

7 Managing users and groups

Lesson introduction
Sharing portal content
Levels of sharing
User types
User roles
Choosing an appropriate user type and role
Integrating groups from your IT-managed security store
Exercise 7: Integrate enterprise groups
  Configure the portal group store
8 Managing a base deployment

Lesson introduction
Customizing your Enterprise portal
Configuring utility services to access ArcGIS Online content
Customization with ArcGIS Enterprise Sites
Collaborative system administration
Enterprise backup and restore
Consider Enterprise backup and restore procedures
Review software update considerations
Lesson review
Answers to Lesson 8 questions

Appendices

Appendix A: Esri data license agreement
Appendix B: Answers to lesson review questions
Appendix C: Additional resources