Administration of ArcGIS Enterprise

Thomas Edghill & Marley Geddes
Outline

- Assumptions
- Overview of ArcGIS Enterprise
- Administrator responsibilities
  - Initial configurations
  - Daily administrative tasks
- Quick Tips
Assumptions

- Familiarity with the ArcGIS Enterprise product and its capabilities
- ArcGIS Enterprise Base Deployment is installed and configured
Overview of ArcGIS Enterprise

Portal Home Page URL: https://myhost.domain.com/portal/home/
Portaladmin URL: https://myhost.domain.com/portal/portaladmin/
Services URL: https://myhost.domain.com/server/rest
Server Manager URL: https://myhost.domain.com/server/manager
Administrator role overview

Initial Configuration

Secure your organization

Make it your own!

Daily Administrative Tasks
Securing your organization

Why care about security?

Meet your organization requirements

Maintain integrity

Protect confidentiality

Be proactive
Security best practices for ArcGIS Enterprise

1. Configure HTTPS
2. Disable anonymous access
3. Restrict the portal’s proxy capability
4. Configure CA-signed server certificates
5. Disable the ArcGIS Portal Directory
6. Configure your firewall to work with portal
7. Set token expiration
8. Restrict file permissions
Security best practices for ArcGIS Enterprise

1. **Configure HTTPS**
2. **Disable anonymous access**
3. **Restrict the portal’s proxy capability**
4. **Configure CA-signed server certificates**
5. **Disable the ArcGIS Portal Directory**
6. **Configure your firewall to work with portal**
7. **Set token expiration**
8. **Restrict file permissions**
Demo: Security Settings
Configure HTTPS and disable anonymous access
Security best practices for ArcGIS Enterprise

<table>
<thead>
<tr>
<th>Threat Mitigation and Prevention in ArcGIS Enterprise</th>
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<td>San Jacinto</td>
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This session will cover critical security knowledge as it pertains to threat mitigation and prevention within ArcGIS Enterprise. Learn how to protect yourself from common threats and attacks and how to harden your environment using multiple layers of security. This session will cover aspects of the environment including the operating system, accounts, database, the network, and firewalls. Join us to learn about security options in ArcGIS Enterprise that help protect your site from attack.

**Categories** - Esri Technical Session, Enterprise

**TIME & DATE**

<table>
<thead>
<tr>
<th>Thursday, March 08</th>
<th>10:30 am - 11:30 am</th>
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Administrator role overview

Initial Configuration

Secure your organization

Make it your own!

Daily Administrative Tasks
Customizing the look and feel of the Home page

Why care about the Home page?

Branding

Inform your users

Make a good first impression
Customizing the Home page:

A. Background

B. Banner

C. Featured Content
Demo: Customizing the Look and Feel

Customizing your home page
Administrator role overview

**Initial Configuration**
- Secure your organization
- Make it your own!

**Daily Administrative Tasks**
- User Management
- Monitor your organization
Managing your users

Key responsibilities:

- Providing access to your organization
- Assigning appropriate roles
- Manage application licenses
- Monitoring member activity
Demo: User Management

Adding members, assigning roles, managing licenses
Administrator role overview

- Initial Configuration
- Secure your organization
- Make it your own!
- Daily Administrative Tasks
- User Management
- Monitor your organization
Monitoring your organization

Methods for monitoring:

- Portal logs
- Server logs
- Activity Dashboard
- ArcGIS Monitor
ArcGIS Monitor

What it do for you:

- Reduce costs
- Monitor all system tiers
- See alerts and notifications
- Build reports and metrics
Demo: Monitoring your Organization

Portal and Server Logs
Quick Tips

• Always have a back up!
  - ArcGIS Data Store, ArcGIS Server, Portal for ArcGIS all have backup & restore workflows
• Do not unfederate ArcGIS Server from your Enterprise portal!
• Have more than one Administrator in your organization
• Take advantage of Enterprise capabilities:
  - Python API
  - REST API
  - Distributed Collaboration
  - Custom roles
Resources

- **Official Documentation:** [https://enterprise.arcgis.com](https://enterprise.arcgis.com)
  - Helpful Sections:
    - About configuring the portal website
    - Managing access to your portal
    - About securing your portal
    - Administer a Federated Server
    - “Common administrative tasks” section links

- **ArcGIS Online Assistant:** [https://ago-assistant.esri.com/](https://ago-assistant.esri.com/)
  - Also on Git: [https://github.com/Esri/ago-assistant](https://github.com/Esri/ago-assistant)

- **Technical Support:** [https://support.esri.com](https://support.esri.com)

- **Esri Showcase – ArcGIS Enterprise Area**
Other sessions

• **Distributed Collaboration: Interconnecting Systems**
  - Date, time: Wed 7th, 4:30-5:00pm (Up next!)
    - Location: Demo Theater 3: Oasis 1-2 (In this room!)

• **ArcGIS Enterprise: Architecting Your Deployment**
  - Date, time: Wed 7th, 5:30-6:00pm
    - Location: Catalina/Madera

• **Threat Mitigation and Prevention in ArcGIS Enterprise**
  - Date, time: Thurs 8th, 10:30-11:30am
    - Location: San Jacinto

• **ArcGIS Enterprise: The Road Ahead**
  - Date, time: Fri 9th, 8:30-9:30am
    - Location: Primrose B
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