BUILDING SKILLED





ArcGIS is a complete platform that individuals and organizations use to find, explore, create, and share maps; apply geospatial data, tools, and models to solve problems; collaborate in groups and communities, and deploy geospatial resources whenever and wherever they are needed. The latest release of ArcGIS transforms how information will be accessed and managed by geographic information system (GIS) professionals, like yourself. GIS professionals can now benefit from complete web GIS that integrates desktops & servers as well as mobile & web applications and includes additional tools and infrastructure needed to extend the reach of your existing GIS.

Esri India instructor-led training provides the foundation you need to learn how to build a strong platform, extend it across your organization, and fully leverage your GIS investment. The courses are available to help you speed up your adoption of new technology; be more productive; and more easily share and collaborate with colleagues, decision-makers, and the general public.

Staying current with the latest technology will give you a competitive edge and help you address the social, economic, business, and environmental issues that shape our world.



Dear Valued User,

With more data flowing around the globe than ever before, it is often difficult for organizations to unlock the value contained in different data sources. ArcGIS is a complete platform that provides a geospatial infrastructure, allowing firms to reveal data patterns and attain actionable insights.

Whether you are new to ArcGIS or a seasoned GIS professional who wants to master the latest technology, Esri instructor-led training courses will help you achieve your goals. The courses are an amalgamation of new-age technologies designed to meet industry-specific workflows that will help you stay abreast and be more productive. I encourage you to check the leaning plans and register for a course today.

Warm regards,

Hender un

Agendra Kumar President, Esri India

TRAINING FORMAT

Instructor-led Training Format

Esri instructor-led courses take an immersive, experiential approach to learning. The design incorporates proven adult-learning principles. It focuses on interaction and skills application to ensure learners acquire relevant and directly applicable workplace knowledge and skills.

The course format includes the following:

- Interactive discussions with learners contributing to real-world experiences
- Demonstrations and hands-on individual exercises
- Facilitated group exercises
- Activities and problem-solving scenarios that encourage peer-to-peer learning

Esri Certified Instructors

All Esri India instructors have achieved Esri technical certification and CompTIA CTT+ certification. CompTIA CTT+ is an international certification that comprises core instructor skills, including preparation, presentation, communication, facilitation, and evaluation, in both a traditional and online classroom environment.

Customized Training Courses

As per customer requirement Esri India can design or customize training programs.

COURSE DESIGN

Instructor-led format focuses on learner engagement. EsriIndia instructor-led courses take an immersive, experiential approach to learning. Their design incorporates proven adult-learning principles and focuses on interaction and skills application to ensure that learners acquire relevant and directly applicable workplace knowledge and skills.

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- Demonstrations and hands-on software exercises
- Activities and problem-solving scenarios that encourage peer-to-peer learning

COURSES OFFERED

ArcGIS Foundation Courses

ArcGIS foundation courses emphasize the best practices that will help professionals attain GIS experience and understand workplace responsibilities to be productive and get the results they need from the ArcGIS platform.

Courses for Developers

These courses are for scripters and builders of geocentric applications and other apps that feature geospatial content.

Courses for GIS Professionals (Sharing & Collaboration)

A GIS professional may wear many hats. Whether you are a one-person GIS team supporting the mapping requirements of your entire organization or one among dozens of professionals in a large GIS department, your work involves one or more core ArcGIS capabilities these courses helps you to understand Sharing and collaboration part includes ArcGIS Server, Portal and other Enterprise capabilities.

Courses for Administrators (Geodatabase Management)

IT, system and database administrators have unique learning requirements. These courses focus on best practices to manage and secure GIS infrastructure, including data, applications, servers, and users.

Courses on Industry Workflows

These courses are for analysts and professionals using ArcGIS to support specific missions and industry applications.

Courses for Image Analysis

These courses are for analysts and professionals working with imagery, ENVI software is getting used for the training and different 2 analysis techniques used in Image analysis.

Courses for Utilities

These courses are for analysts and professionals focused on utilities (Electric, Water, Oil & Gas) ArcFM software is getting used for the training which includes Working, Configuring ArcFM and its various modules.

ArcGIS Foundation Courses

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Courses for Developers

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Courses for GIS Professionals (Sharing & Collaboration)

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Courses for Utilities

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ArcGIS FOUNDATION COURSES

1. Introduction to GIS Using ArcGIS

Two days (16 hours) -

Overview

Master fundamental GIS concepts and work with GIS maps to visualize real-world features, discover patterns, obtain information, and communicate that information to others. This course is taught using ArcGIS Online or an on-premises portal website.

Who Should Attend?

Individuals with no prior GIS education or workplace experience with GIS

Learn How To

- Find data and other content to support a GIS mapping project.
- Accurately display features on a GIS map and access related information.
- Perform spatial analysis to answer questions and create new information.
- Share GIS maps and analysis results so they are easily accessible to colleagues, decisionmakers, and the public.

Prerequisite:

Basic computer knowledge

2. Editing Data with ArcGIS for Desktop

Two days (16 hours) -

Overview

To produce GIS maps and analysis results that support informed decision-making, accurate data is essential. This course teaches methods to accurately create and maintain data stored in a geodatabase. You will learn a recommended workflow for data automation and practice with tools and techniques that help ensure data integrity during editing.

Who Should Attend?

GIS technicians, specialists, and other experienced ArcGIS users who create and maintain their organization's geographic data.

Learn How To

- Apply a standard editing workflow to manage updates to your GIS database.
- Efficiently create and edit feature geometry and attributes.
- Solve common data alignment issues.
- Maintain accurate spatial relationships among features using topology.

Prerequisite:

3. ArcGIS 2: Essential Workflows

Three days (24 hours) -

Overview

Acquire skills to perform common GIS workflows using ArcMap. You will explore, manage, and analyze geographic data and create informative maps. The course covers techniques to effectively share your work with the decisionmakers, colleagues, and the public.

Who Should Attend?

Individuals with an introductory-level knowledge of GIS concepts and limited ArcGIS experience.

Learn How To

- Combine data from different sources to create accurate and informative maps.
- Organize, create, and edit geographic data to maintain its accuracy.
- Design an attractive page layout for maps that will be printed.
- Apply a standard workflow to analyze GIS data.

Prerequisite:

ArcGIS 1: Introduction to GIS or equivalent knowledge

4. ArcGIS Pro: Essential Workflows

Three days (24 hours) -

Overview

This course focuses on common workflows and best practices to map, manage, analyze, and share geographic data and resources. You will acquire the essential skills you need to be productive with ArcGIS Pro.

Who Should Attend?

Individuals with an introductory-level knowledge of GIS concepts and limited ArcGIS experience.

Learn How To

- Combine data to create informative maps.
- Symbolize features on 2D and 3D maps.
- Organize, create, and edit geographic data to keep it accurate and up-to-date.
- Design an attractive layout for printed maps.
- Analyze GIS data to create new information.
- Share maps, analysis results, and geoprocessing models.

Prerequisite:

Introduction to GIS Using ArcGIS

5. Creating Story Maps with ArcGIS

One day (8 hours) -

Overview

Thanks to their engaging user experience, story maps have achieved mass appeal as a vehicle to inform the public, engage stakeholders, and inspire an audience. This course teaches the concepts, best practices, and decisions that need to be made when creating and sharing a story map.

Who Should Attend?

Anyone who wants to tell stories with maps.

Learn How To

- Choose an appropriate story map app for your purpose and audience.
- Add web maps, images, multimedia, and text to create an engaging story map.
- Apply best practices to share and promote your story maps.

Prerequisite:

Familiarity with ArcGIS Online will be helpful however, not a mandate.

6. Migrating from ArcMap to ArcGIS Pro

Two days (16 hours) -

Overview

This course introduces essential ArcGIS Pro terminology and prepares you to be productive. You will learn how to efficiently complete a variety of tasks related to mapping; editing; analyzing and sharing data, maps, and other geospatial resources.

Who Should Attend?

Experienced ArcMap users.

Learn How To

- Create an ArcGIS Pro project and import map documents and 3D scenes.
- Create and modify map layouts and symbology.
- Edit feature geometry and attributes.
- Import a geoprocessing model and identify potential migration issues.
- Share geospatial resources to your organization's ArcGIS portal.

Prerequisite:

7. Get Started with Insights for ArcGIS

One day (8 hours) -

Overview

This course prepares you to work with Insights SM for ArcGIS to dynamically visualize and analyze data from multiple sources on maps, charts, tables, and more. You will learn how to define a workflow to investigate a spatial problem, interactively apply analysis tools, and share your insight across the enterprise.

Who Should Attend?

GIS analysts, specialists, technical leads, and managers and non-GIS professionals who are experienced ArcGIS users.

Learn How To

- Connect to data sources and prepare data for analysis.
- Visualize, interact with, and analyze multiple datasets.
- Share analysis results and workflow models.

Prerequisite:

Familiarity with GIS concepts is recommended.

8. ArcGIS 3: Performing Analysis

Two days (16 hours) -

Overview

This course teaches a standard workflow you can apply to any spatial analysis project. Working with a variety of ArcGIS tools and data, you will perform different types of analysis to efficiently create reliable results that support informed decision-making. This course is taught using ArcGIS Desktop Advanced (ArcMap), and some course exercises use tools provided in the ArcGIS Spatial Analyst extension.

Who Should Attend?

GIS analysts, specialists, and others who manage or conduct spatial analysis projects.

Learn How To

- Choose appropriate data, methods, and tools to plan, execute, and document a given analysis project.
- Automate analysis tasks using geoprocessing models.
- Create a weighted suitability model to select the optimal location for a new site.
- Apply spatial statistics to examine distribution patterns and identify hot spots.
- Model temporal data to analyze and visualize change over time.
- Share analysis results so they are accessible and repeatable.

Prerequisite:

9. Spatial Analysis with ArcGIS Pro

Two days (16 hours) -

Overview

Learn a standard workflow and best practices you can apply to any spatial analysis project. You will perform different types of analysis to efficiently create reliable results that support informed decision-making.

Who Should Attend?

GIS analysts, specialists, and others who manage or conduct spatial analysis projects.

Learn How To

- Find, evaluate, and prepare data for an analysis project.
- Perform suitability analysis to identify optimal locations based on project criteria.
- Apply spatial statistics tools to examine distribution patterns, clusters, and hot spots.
- Automate an analysis workflow using a geoprocessing model.
- Share analysis results to your ArcGIS Online organizational site or on-premises portal website.

Prerequisite:

ArcGIS Pro: Essential Workflow

10. Editing and Maintaining Parcels Using ArcGIS

Two days (16 hours) -

Overview

This course teaches techniques to efficiently store, edit, and ensure the accuracy of land records data. Using the ArcGIS parcel fabric and the Local Government Information Model, you will learn recommended workflows to perform many common parcel editing tasks.

Who Should Attend?

GIS technicians, parcel editors, tax mapping professionals, and others who maintain or manage land records data.

Learn How To

- Apply the Local Government Information Model to an existing parcel fabric to enable automated editing workflows.
- Join new parcels to an existing parcel fabric, split and merge parcels, adjust boundary lines, and create a new subdivision.
- Migrate CAD data to the parcel fabric and evaluate accuracy.
- Create a subdivision from CAD data.

Prerequisite:

11. Putting ArcGIS to Use Across Your Organization

Three days (24 hours) -

Overview

In this course, you will explore the entire ArcGIS platform - the apps used for mapping and visualization, data collection and management, spatial analytics, and collaboration and sharing. Discover how ArcGIS helps organizations address common business challenges and apply location-based insight to streamline operations and improve decision making.

Who Should Attend?

GIS professionals, managers, and others who need a comprehensive introduction to ArcGIS platform components and capabilities.

Learn How To

- Map and analyze business data using ArcGIS apps and tools.
- Create and share data, web maps, and web apps using an ArcGIS portal.
- Streamline field data collection workflows.
- Configure web apps and dashboards to monitor field operations in real-time.

Prerequisite:

Introduction to GIS Using ArcGIS

12. Introduction to Esri Production Mapping

Five days (40 hours) -

Overview

In this course, you will acquire the necessary skills to use and configure Esri Production Mapping. The course covers how to enhance productivity by standardizing feature collection, editing, and data management. You will learn how to use ArcGIS Data Reviewer for Desktop to find, track, and correct spatial and attribute errors in GIS data. You will work with Esri Production Mapping tools to create standard map products and manage cartographic production. Using ArcGIS Workflow Manager, you will configure workflows to streamline your repeatable production tasks.

Who Should Attend?

GIS specialists, technicians, spatial data managers, project managers, and others who need to manage and publish accurate data and cartographic products using standardized and repeatable workflows.

Learn How To

- Extend and configure geodatabase validation with the product library.
- Efficiently load data using the Data Loader.
- Edit and attribute feature using Esri Production Mapping.
- Perform automated and visual data validation checks using ArcGIS Data Reviewer for Desktop.
- Configure and use templates to create standard cartographic products.
- Store, access, manage and configure the product library for cartographic production.
- Streamline workflows using ArcGIS Workflow Manager.

Prerequisite:

13. Quality Control Using ArcGIS Data Reviewer for Desktop

Two days (16 hours) -

Overview

This course teaches how to use ArcGIS Data Reviewer for Desktop to manage and automate the quality control review process. After exploring the fundamental components of quality control, you will practice techniques to discover and document data quality requirements. You will gain hands-on experience in configuring and running automated data checks, followed by performing a systematic visual review. The techniques to maintain a historical record of your quality control review and methods for reporting your results are also covered.

Who Should Attend?

- GIS technicians, spatial data managers, and project managers who need to oversee or perform data quality checks using ArcGIS Data Reviewer for Desktop.
- Anyone working with Esri Production Mapping, Esri Defense Mapping, or a stand-alone license of ArcGIS Data Reviewer for Desktop.

Learn How To

- Document quality requirements
- Automate data validation
- Perform a systematic visual review
- Centrally document and manage data issues
- Track the entire error life cycle

Prerequisite:

Essential Workflows

14. Managing Geospatial Data in ArcGIS

Two days (16 hours) -

Overview

Learn essential geodatabase concepts and develop the skills required to create a geodatabase, add data to it, and efficiently manage your organization's geographic data over time. You will learn how to take advantage of the unique geodatabase features that help ensure your organization's data integrity. This course is taught using ArcGIS Pro.

Who Should Attend?

GIS managers, data managers, data technicians, analysts, and others who manage geographic data.

Learn How To

- Design a geodatabase schema to store your organization's data.
- Load data from a variety of formats into a geodatabase.
- Create subtypes and domains to simplify editing and increase the accuracy of feature attributes.
- Create a geodatabase topology to ensure spatial integrity during data editing.
- Share data to your ArcGIS Online organizational site or on-premises portal website.

Prerequisite:

15. Understanding ArcGIS Workflow Manager

Three days (24 hours) -

Overview

This course introduces you to the ArcGIS Workflow Manager extension, its architecture and available configuration options, and the importance of job management in your organization. You will learn how to use the tools included with ArcGIS Workflow Manager and how to configure the system to meet your business requirements.

Who Should Attend?

Managers and others who want to develop and enforce standard, repeatable GIS workflows within their organization using ArcGIS Workflow Manager.

Learn How To

- Describe and set up database and system tables.
- Query, create, assign, locate, and edit jobs.
- Execute workflows and track job status and feature modification history.
- Set up the ArcGIS Workflow Manager security model.
- Model your business processes into ArcGIS Workflow Manager workflows.
- Publish ArcGIS Workflow Manager services and deploy web viewers.

Prerequisite:

Introduction to GIS Using ArcGIS

16. Building 3D Cities Using Esri City Engine

Three days (24 hours) -

Overview

Esri CityEngine® uses a rule-based approach to help you efficiently produce highly realistic 3D models. This course introduces the CityEngine procedural modeling workflow and best practices to create compelling 3D cities. This can be used to visualize urban landscapes, explore impacts of the proposed development, generate virtual city simulations, and support geodesign projects.

Who Should Attend?

GIS professionals, urban planners, landscape architects, architects, entertainment professionals, and others who want to create 3D city models and urban landscapes.

Learn How To

- Create an Esri CityEngine project to organize and manage data and assets.
- Import 2D GIS data and apply Computer Generated Architecture rules to create detailed 3D shapes.
- Import, modify, and create rules to generate realistic content that brings a 3D city to life.
- Sketch and texture 3D building models.
- Share 3D city scenes to ArcGIS Online.

Prerequisite:

None

17. Introduction to Esri Defense Mapping

Five days (40 hours) -

This course is typically offered as a private class.

Overview

This course teaches the skills to track and manage end-to-end data extraction and cartographic production using Esri Defense Mapping enterprise production management tools and workflows. You will learn to use the support files provided with Esri Defense Mapping, including defense geodatabase models, topologies, feature templates, data validation rules, cartographic representations, and map templates to ensure your products meet defense standards.

Who Should Attend?

Experienced ArcGIS users who need to produce data and maps that comply with defense or military specifications and standards.

Learn How To

- Use Esri Defense Mapping support files to streamline defense database and map production workflows.
- Extract features to defense specifications.
- Validate defense databases using predefined batch jobs.
- Create defense cartographic products to defense specifications.
- Streamline and track workflows with ArcGIS Workflow Manager.

Prerequisite:

ArcGIS 2: Essential Workflows

18. Configuring Web Apps Using Web App Builder for ArcGIS

One day (8 hours) -

Overview

Learn how to easily create intuitive, focused web apps that are accessible on desktop and mobile devices—without writing any code. This course shows how to take advantage of existing web maps, themes, and widgets to build apps that feature your organization's branding and deliver the functionality your users require.

Who Should Attend?

GIS professionals, managers, and others who are familiar with creating and sharing maps using ArcGIS Online.

Learn How To

- Plan a web app's design based on the audience and required functionality.
- Configure themes and widgets to meet web app requirements.
- Evaluate web app design and functionality on virtual devices.
- Publish a web app

Prerequisite:

Creating and Sharing GIS Content with ArcGIS Online

COURSES FOR DEVELOPERS

19. Extending ArcGIS Pro with Add-Ins

Three days (24 hours) -

Overview

Learn how to use ArcGIS Pro SDK for the Microsoft .NET Framework to develop custom add-ins that support your organization's unique workflows. This course introduces key ArcGIS Pro SDK for .NET programming patterns, the ArcGIS Pro API, and a wide range of interface customizations and custom functionality that can be deployed using add-ins.

Who Should Attend?

Experienced Microsoft Visual Basic .NET and C# developers

Learn How To

- Develop, test, and deploy ArcGIS Pro SDK for .NET customizations using the add-in extensibility framework.
- Customize the ArcGIS Pro ribbon and apply key programming patterns.
- Create custom tools to interact with maps and scenes and select or edit geodatabase features.
- Create dock panes and other controls to work with projects, portals, items, views, layers, symbols, and renderers.

Prerequisite:

ArcGIS Pro: Essential Workflows

20. Introduction to Geoprocessing Scripts Using Python

Three days (24 hours) -

Overview

Python scripts reduce the time spent on complex or repetitive tasks, enabling GIS staff to be more productive. This course teaches how to create Python scripts to automate tasks related to data management, feature editing, geoprocessing and analysis, and map production using ArcGIS. You will also learn how to share your Python scripts, so your key GIS workflows are accessible to others. This course is taught using ArcMap.

Who Should Attend?

GIS analysts, specialists, data processors, and others who want to automate ArcGIS tasks and workflows.

Learn How To

- Choose a Python scripting environment that matches with your requirements.
- Incorporate cursors, describe objects, and list objects into scripts to manage and update data.
- Use ArcPy™ classes and geometry objects to create and update features and perform geoprocessing operations.
- Use the ArcPy mapping module to automate map document and layer management.
- Apply techniques to ensure valid script syntax and error handling.
- Create custom script tools and geoprocessing packages to share your scripts.

Prerequisite:

ArcGIS: Essential Workflows and basic knowledge of Python syntax and experience creating Python scripts.

21. Introduction to Web Development Using ArcGIS API for JavaScript

Three days (24 hours) -

Overview

This course reviews basic concepts of web development and introduces ArcGIS API for JavaScript. You will explore API classes, widgets, and available functionality as you work with high-performing web applications that incorporate ArcGIS content and services. You will gain experience with the API by querying, visualizing, and analyzing 2D and 3D data.

Who Should Attend?

GIS professionals and others with HTML, CSS, and JavaScript experience who want to develop custom web applications.

Learn How To

- Develop and test web application functionality based on ArcGIS API for JavaScript.
- Programmatically render ArcGIS services to support map visualization needs.
- Include capabilities for application end users to view 2D maps and 3D scenes, query map layers, and perform spatial analysis and geoprocessing operations.

Prerequisite:

Basic GIS or Development skills



22. ArcGIS 4: Sharing Content on the Web

Three days (24 hours) -

Overview

Using ArcGIS, you can easily share geographic content, so it is accessible to everyone at a time and way of their convenience. This course teaches how to publish your organization's authoritative GIS data, maps, and tools as ArcGIS services that can be discovered and used on desktops, the web, and mobile devices. This course is taught using ArcMap.

Who Should Attend?

- GIS professionals who need to share their authoritative content
- Developers who want to incorporate ArcGIS services into custom apps
- Administrators looking to gain understanding publishing ArcGIS services.

Learn How To

- Determine which sharing option is appropriate for your requirements.
- Author and publish map services to share your authoritative GIS data.
- Publish feature services to enable data editing over the web.
- Create and publish image services to provide fast access to imagery.
- Publish geoprocessing services to share analysis workflows and results.
- Share GIS resources as stand-alone services and in web maps and apps.

Prerequisite:

ArcGIS 2: Essential Workflows

23. ArcGIS Enterprise: Configuring a Base Deployment

Two days (16 hours) -

Overview

Learn how to install and configure an ArcGIS Enterprise base deployment to enable individuals to securely access, create, and share geospatial resources across your organization. You will learn how to license and install the four software components of a base deployment and ensure system security and performance.

Who Should Attend?

IT administrators; GIS web administrators; and others who install, manage, or support an ArcGIS Enterprise system.

Learn How To

- Install ArcGIS Server, Portal for ArcGIS, ArcGIS Data Store, and ArcGIS Web Adaptor (IIS).
- Configure a portal website to manage users, groups, and content-sharing privileges.
- Apply Secure Sockets Layer (SSL) certificates to deploy encrypted security.
- Configure a suitable authentication method for your organization's needs.

Prerequisite:

Sharing Content on the Web

24. ArcGIS Enterprise: Administration Workflows

Three days (24 hours) -

Overview

Master techniques to configure and maintain an ArcGIS Enterprise solution that meets your organization's business requirements. You will learn about ArcGIS Enterprise architecture, server licensing roles and extensions, and the capabilities that support common GIS patterns of use. Best practices to manage servers, data, and services while ensuring system performance over time are covered.

Who Should Attend?

GIS professionals, Developers, Administrators who need to share their authoritative content, to incorporate ArcGIS services or understand the process.

Learn How To

- Use scripts to automate common administrative functions
- Configure distributed collaboration between multiple ArcGIS Enterprise portals.
- Apply best practices to configure GIS resources, services, and caches
- Use scripts to automate common administrative functions.Maintain system performance using workload separation and other best practices

Prerequisite:

Configuring a Base Deployment

25. System Architecture Design Strategies

Three days (24 hours) -

Overview

This course covers GIS architecture design strategies and infrastructure architecture alternatives that support successful enterprise operations. You will learn comprehensive guidelines for planning and selecting a system solution that meets your organization's requirements. This course also covers performance validation and system capacity planning techniques for enterprise GIS deployments.

Who Should Attend?

- Senior architecture consultants and software architects to enhance their enterprise GIS system design knowledge.
- GIS managers, project managers, and software developers to understand system architecture and hardware capacity planning criteria.
- IT and system administrators and consultants to understand, identify, and troubleshoot performance problems with existing GIS environments.

Learn How To

- Identify and define user workflow requirements for an enterprise GIS.
- Describe software deployment patterns appropriate for each identified user workflow.
- Recognize system design factors that impact GIS software performance and scalability.
- Identify network bandwidth requirements and remote client performance expectations.
- Describe platform architecture deployment patterns for meeting your system non-functional deployment requirements.
- Select platform technology that will satisfy ArcGIS performance and capacity needs.
- Apply best practices for incorporating security throughout system design and deployment.
- Identify a target IT platform and network solutions that satisfy your peak system performance needs.

Prerequisite:

Basic knowledge of ArcGIS Enterprise, Ms Office, and Networking

26. Deploying Portal for ArcGIS

Two days (16 hours) -

Overview

Learn recommended workflows and best practices to install, configure, and deploy Portal for ArcGIS to meet your organization's requirement for private, secure geospatial content sharing. This course introduces Portal for ArcGIS components and architecture models that support web GIS workflows. Techniques to ensure portal security and high availability are covered. This course is taught using ArcGIS 10.4.

Who Should Attend?

ArcGIS for Server administrators who need to set up and configure a private organizational portal that provides secure access to geospatial data, maps, and apps.

Learn How To

- Install, configure, and license Portal for ArcGIS software.
- Create and manage user accounts and configure enterprise authentication.
- Create enterprise groups to efficiently organize and manage access to portal content.
- Publish ArcGIS services to validate the portal configuration.
- Integrate a portal with an ArcGIS Server site to add capabilities and simplify user access and content publishing workflows.
- Apply techniques to optimize the performance of your organization's portal.

Prerequisite:

ArcGIS for Server: Site Configuration and Administration



27. Building Geodatabases

Three days (24 hours) -

Overview

Master the essential concepts and skills needed to efficiently create a geodatabase, add data to it, and realistically model the real-world spatial relationships inherent to your data. You will learn about unique geodatabase features that help ensure data integrity over time and why the geodatabase is the preferred format for storing and managing geographic data in ArcGIS. Course concepts apply to file-based and multiuser geodatabases. This course is taught using ArcGIS Desktop Advanced (ArcMap).

Who Should Attend?

- GIS data managers, analysts, specialists, data technicians, database administrators, and others who manage and maintain data stored in a geodatabase.
- GIS managers who need to understand the capabilities of the geodatabase.

Learn How To

- Access GIS data stored in file-based geodatabases, multiuser geodatabases, and GIS servers.
- Create an appropriate geodatabase structure to organize data for efficient storage, display, and editing.
- Add rules and behaviors to ensure the spatial and attribute integrity of geographic data.
- Jump-start geodatabase design using a template data model.
- Create a geodata service to share a geodatabase with desktop, web, and mobile users.

Prerequisite:

ArcGIS 2: Essential Workflows

28. Deploying and Maintaining a Multiuser Geodatabase

Two days (16 hours) -

Overview

This course prepares you to successfully deploy a multiuser geodatabase to manage your organization's geographic data assets. You will explore the multiuser geodatabase architecture and installation options and learn how to configure the geodatabase for efficient data storage and delivery of data access and editing capabilities to many users.

Who Should Attend?

Spatial database administrators and GIS data managers

Learn How To

- Create and connect to a multiuser geodatabase.
- Efficiently load and update data in a multiuser geodatabase.
- Configure storage settings to support your organization's data management workflows.
- Set up user roles and permissions to provide secure data access.
- Apply best practices to optimize geodatabase performance.

Prerequisite:

COURSES FOR ADMINISTRATORS (GEODATABASE MANAGEMENT)

(Continued)

29. Implementing Versioned Workflows in a Multiuser Geodatabase

Three days (24 hours) -

Overview

A successful multiuser editing environment requires a sound versioning workflow that minimizes disruption to editors, ensures the integrity of GIS data, and integrates well with existing business workflows - all while maintaining optimal database performance. This course explores a variety of versioned editing workflows and examines how versioning decisions impact data accuracy and database performance.

Who Should Attend?

GIS database managers and administrators.

Learn How To

- Deploy a versioning workflow that meets your organization's requirements.
- Efficiently load data into a versioned feature class.
- Manage multiple geodatabase versions.
- Monitor and maintain database performance in a versioned editing environment.

Prerequisite:

Deploying and Maintaining a Multiuser Geodatabase

30. Managing Geospatial Data in ArcGIS

Two days (16 hours) -

Overview

Learn essential geodatabase concepts and develop the skills required to create a geodatabase, add data to it, and efficiently manage your organization's geographic data over time. You will learn how to take advantage of the unique geodatabase features that help ensure your organization's data integrity. This course is taught using ArcGIS Pro.

Who Should Attend?

GIS managers, data managers, data technicians, analysts, and others who manage geographic data.

Learn How To

- Design a geodatabase schema to store your organization's data.
- Load data from a variety of formats into a geodatabase.
- Create subtypes and domains to simplify editing and increase the accuracy of feature attributes.
- Create a geodatabase topology to ensure spatial integrity during data editing.
- Share data to your ArcGIS Online organizational site or on-premises portal website.

Prerequisite:

COURSES FOR ADMINISTRATORS (GEODATABASE MANAGEMENT)

(Continued)

31. Distributing Data Using Geodatabase Replication

Two days (16 hours) -

Overview

Geodatabase replication is a powerful way to extend access to GIS data stored in a multiuser geodatabase across organizations and into the field. This course teaches how to plan for and implement geodatabase replication to support multiuser editing workflows and data sharing initiatives. You will learn the best practices for protecting the integrity of your production database while meeting the needs of desktop, mobile, and online users.

Who Should Attend?

GIS database managers and administrators who need to incorporate geodatabase replication into their organization's business and versioned editing workflows.

Learn How To

- Determine the number and type of replicas needed to support your organization's GIS workflows and applications.
- Use a database management system (DBMS) queries and ArcGIS tools to create and manage replicas.
- Plan and implement an efficient synchronization strategy for your data distribution architecture.

Prerequisite:

ArcGIS 2: Essential Workflows and Implementing Versioned Workflows in a Multiuser Geodatabase



32. Geospatial Concepts for Intelligence Operations

Three days (24 hours) -

Overview

This course teaches foundational geospatial concepts that apply to data, maps, and analysis workflows widely used for intelligence production, planning, and operations. You will work with the ArcGIS platform as you explore techniques to efficiently visualize, create, and analyze geospatial data for use in intelligence. This course is taught using ArcGIS for Desktop Advanced, and some course exercises use tools provided in the ArcGIS Spatial Analyst extension.

Who Should Attend?

Professionals in the military, intelligence, and national security communities who have minimal or no geospatial experience. The attendees must specialize in intelligence planning, geospatial intelligence, all-source intelligence, imagery exploitation, or intelligence production.

Learn How To

- Identify appropriate geospatial data for visualization and analysis.
- Organize, create, and manage geospatial data stored in a geodatabase.
- Accurately and effectively display a variety of content, including imagery, on a map.
- Create products for dissemination that support mission planning and intelligence operations

Prerequisite:

Experience working on a desktop personal computer and with Microsoft Office applications is required.



COURSES FOR IMAGE ANALYSIS

33. Introduction to ENVI® Analytics

Two days (16 hours) -

Overview

This course teaches about the core functionality of ENVI. An introduction to hyperspectral data analysis that can be used as a stepping-stone for learning about ENVI's advanced hyperspectral analysis capabilities will be given.

Who Should Attend?

Individuals with basic level of knowledge of Imagery.

Learn How To

- What is ENVI
- Start with image processing
- Sensors and data formats
- Work withh layers and multiple views in ENVI
- Work with different tools and functionalities
- Work with vector and raster data
- Image Analysis

Prerequisite:

Basic imagery knowledge

34. Introduction to SARscape

Two days (16 hours) -

Overview

This course teaches how to use the SARscape module of ENVI to generate meaningful SAR products from different kinds of SAR data.

Who Should Attend?

Individuals with basic level of knowledge of Imagery.

Learn How To

- What is Sarscape
- Work with different tools and functionalities
- Radar Concepts
- Work with different Toolsets
- Work with analysis techniques

Prerequisite:

Basic imagery knowledge

COURSES FOR UTILITIES

35. Working with ArcFM

Three days (24 hours) -

Overview

This introductory course is structured for novice end-users with little to no exposure to either ArcMap or ArcFM.

Who Should Attend?

Individuals or professionals working with utility data.

Learn How To

- What is ArcFM
- Navigate the map
- Work with ArcFM Locator
- Work with the session manager
- Work with different tools and functionalities
- Edit features

Prerequisite:

Basic GIS knowledge

36. Advance ArcFM

Two days (16 hours) -

Overview

This abridged course is geared towards end-users with an existing knowledge base in core ArcMap but no exposure to ArcFM.

Who Should Attend?

Individuals or Professionals with basic level knowledge of ArcMap.

Learn How To

- What is ArcFM
- Work with advanced features
- Edit features
- Work with favorites
- Work with using CAD in GIS
- Run network traces
- Abandon features
- Adapt stored displays
- Build ArcFM map books
- Personalize ArcFM

Prerequisite:

Basic ArcGIS knowledge

COURSES FOR UTILITIES (Continued)

37. Configuring ArcFM

Three days (24 hours) -

Overview

This advanced course targets GIS administrators tasked with implementing and maintaining an ArcFM geodatabase.

Who Should Attend?

Individuals working with utility networks

Learn How To

- Introduction
- ArcFM System Tables
- ArcFM Properties Manager
- Searching Tools
- Geometric and Logical Networks
- Abandon Tools
- Tracing
- Display Tools
- Feature Creation Tools
- License Manager
- Feeder Manager
- Map Production Tools
- Versioning
- Session Manager

Prerequisite:

Working with ArcFM

38. ArcFM Web

One day (8 hours) -

Overview

This modular course is designed for first time administrators, users, and trainers. It explores the following topics: installation, post-installation configuration, creating and configuring a site, creating viewers, and adding and working with map services and tools, also includes topics on configure and work with ArcFM utility traces.

Who Should Attend?

Individuals working with utility networks

Learn How To

- What is ArcFM Web
- ArcFM web components
- Map services
- Navigating the viewer
- Locating features
- Customizing the viewer

Prerequisite:

Working with ArcFM

39. Configuring Conduit Manager

Three days (24 hours) -

Overview

This advanced course targets GIS administrators tasked with implementing and maintaining an ArcFM geodatabase.

Who Should Attend?

Individuals or professionals working with ArcFM geodatabase.

Learn How To

- Introduction to Underground Networks
- Configuring Conduit Manager
- Optional Conduit Manager Configuration
- Configuring Underground Facility Manager

Prerequisite:

Working with ArcFM

40. Working with Fiber Manager

Three days (24 hours) -

Overview

This module covers an integrated set of tools used to display, manage, and analyze the fiber optic networks within a network system. This powerful set of tools provides the ability to create and manage fiber splice connections, create and manage circuits, perform network traces, and generate reports and schematic diagrams.

Who Should Attend?

Individuals working with utility networks

Learn How To

- Navigate in the Map
- Find Features
- Explore Features
- View Network Connections
- Fiber Traces and Reports
- Print Maps
- Tailor your Work Environment
- Edit with Session Manager
- Create New Features
- Editing Existing Features
- Editing Network Connections
- Editing with Shortcut Tools
- Generating Schematics
- Arranging Multi-Frame Layouts

Prerequisite:

Working with ArcFM

41. Creating and Managing Utility Networks with ArcGIS

Two days (16 hours) -

Overview

ArcGIS Utility Network Management, an extension to ArcGIS Enterprise, provides robust tools to model, visualize, edit, and analyze complex utility networks. Learn about the latest capabilities that organizations can leverage to better manage network assets, minimize network disruptions, and quickly respond to outages. Attendees can choose to complete course exercises using water, gas, or electric utility data.

This course does not cover utility network administration topics.

Who Should Attend?

GIS professionals who edit and analyze electric, gas, water, or telecommunications networks - introduces the utility network model in the enterprise geodatabase

Learn How To

- Deploy a utility network solution and add rules to accurately model connectivity and data relationships.
- Apply a standard workflow to create and edit network features and components while maintaining data integrity
- Perform network tracing to identify the source of a disruption and impacted customers.
- Create and share a diagram to dynamically visualize the network

Prerequisite:

Completion of ArcGIS Pro: Essential Workflows or Migrating from ArcMap to ArcGIS Pro or equivalent knowledge





Ready-t tasets

Esri India Learning Hub

Learning Hub is designed to give a conducive environment to learners to enhance their geospatial skills.

Contact an Esri India training consultant to know about course schedule & pricing at training@esri.in or call at 1800-102-1918

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