Training the GIS Professional

Distributing Data using Geodatabase Replication - 2 days

Overview

Geodatabase replication is a powerful way to extend access to GIS data stored in a multiuser ArcSDE geodatabase across organisations 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 best practices for protecting the integrity of your production database while meeting the needs of desktop, mobile, and online users.

Note: Course concepts apply to both ArcGIS 10.2 and 10.3. Esri will provide either ArcGIS 10.2 or 10.3 for use during course exercises.

Topics Covered

- What is geodatabase replication? Scenarios for using geodatabase replication, Requirements for geodatabase replication

- Types of replication, Two-way replication, One-way replication Checkout/check-in replication

- Synchronising data, Resolving editing conflicts, Disconnected synchronisation, Managing schema changes

- Replica management for database performance

- Compressing the database, Replica logs, Replica Manager

- Using geodata services, Creating a replica. Synchronising edits

Goals

- Determine the number and type of replicas needed to support your organisation's GIS workflows and applications.

- Plan an efficient synchronisation strategy for replicated data.

- Manage schema changes between replicas.

- Perform routine replica management tasks to maintain database performance.

- Create a replica and synchronize edits using a geodata service in a web application.

Who should attend

Database administrators, GIS data managers, and others who need to incorporate geodatabase replication into their organisation's business and versioned editing workflows.

Prerequisites

Completion of ArcGIS 2 - Essentials of ArcGIS 10.x for Desktop and Implementing Versioned Workflows in a Multiuser Geodatabase or equivalent experience is required.

Contact Us

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