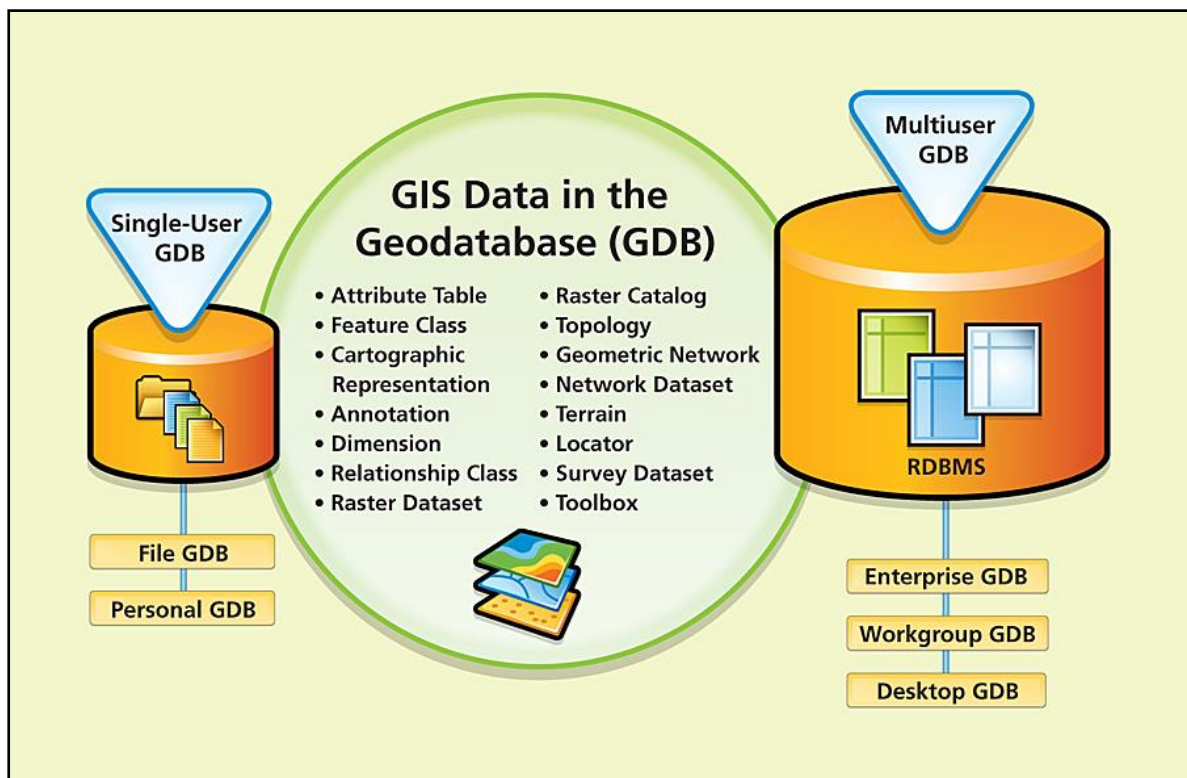# Deploying and Maintaining
a Multiuser Geodatabase

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SGD$960 / pax

Provide organizations with a central, scalable data storage and management system

Level: intermediate | Course duration: 2 days

This course prepares you to successfully create a multiuser geodatabase to store and manage your organisation's geographic data.

What is the course about?

This course prepares you to successfully create a multiuser geodatabase to store and manage your organization's geographic data. You will learn about the multiuser geodatabase architecture, configuration options, and techniques to efficiently load data, assign user privileges, and maintain performance over time. Course concepts apply to both enterprise and workgroup geodatabases. During course exercises, you may work with the RDBMS product that is relevant for your organisation (Oracle, Microsoft SQL Server, or PostgreSQL).

Who is the target audience?

Spatial database administrators and GIS data managers who need to create, configure, and manage a multiuser ArcSDE geodatabase.

esri Singapore

Are there any prerequisites?

- Completion of ArcGIS 2: Essential Workflows or equivalent knowledge is required
- Experience managing a relational database management system is required

What skills will I learn?

After completing this course, you will be able to:

- Configure the multi-user geodatabase for your relational database management system
- Create a multi-user geodatabase and configure connections to it
- Efficiently load data into a multi-user geodatabase
- Configure storage settings to support your organisation's data management workflows
- Set up user roles and privileges to provide secure data access
- Apply best practices to maintain high geodatabase performance

Course topics

What is a multiuser geodatabase?

- Multiuser geodatabase components
- Create an enterprise geodatabase
- Explore the repository

Connecting to the geodatabase

- RDBMS client software
- Create a connection
- Software version compatibility
- Authentication methods

Loading data into the geodatabase

- Data owner account
- RDBMS considerations
- Geoprocessing environment settings
- Updating datasets

Connecting to the geodatabase

- RDBMS client software
- Create a connection
- Software version compatibility
- Authentication methods

Configuring privileges

- Data users
- Roles
- Securing credentials

Managing storage

- Configuration parameters
- Supported spatial types
- DBTUNE table

Maintaining the geodatabase

- Statistics
- Manage attribute indexes and statistics
- Spatial indexes
- The compress tool
- Manage performance tasks with Python

Associating Data

- Query layers
- Database views

Applying the geodatabase workflows

- Geodatabase workflow
- Geodatabase responsibilities
- Geodatabase tasks