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10.1 Road Ahead
ArcGIS Server – Spatial Data Server

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Why talk about it… let's see it

Demo Summary

- **Simplified database connection experience…**
- **Browsing and data discovery…**
- **ArcGIS desktop publishing…**
- **ArcGIS Spatial Data Server…**
- **ArcGIS web clients consuming Spatial Data Server…**

ArcGIS and data access

- **Simplified user experience for connecting and working with databases**

- **Query layers are just feature layers in desktop**
  - **With the ability to publish to a feature service**

ArcGIS and data access

- **Ability to create and load feature classes into a database**
    - **Copy/paste**
    - **Simple data loader**
    - **Append**

- **Ability to perform geoprocessing tasks**
    - **Database tables are input and output classes**

ArcGIS Spatial Data Server technology

- **New technology component included in all ArcGIS Server editions**

- **Provides simple mapping capabilities on databases**
    - **Oracle, SQL Server, DB2, PostgreSQL**

- **Lightweight and very fast**

Direct DBMS Access

ArcGIS Spatial Data Server technology

- **Pure .Net and Java implementations**
  - **Lightweight and plugs directly into existing web servers**

- **Compatible with all ArcGIS web clients and desktop**

Workflow with Spatial Data Server

- **1) Load data into the database**
  - **Via SQL**
  - **Or with ArcGIS Desktop**
- **2) Author your map with ArcGIS Desktop**
- **3) Publish map as a Feature Service**
- **4) Consume from any web client**

Direct DBMS Access

Workflow with Spatial Data Server

- **Business requirements will be using the technology to work with non-geodatabases to publish spatial data**
  - **Oracle Spatial**
  - **SQL*Server geometry or geography**
  - **Postgres PostGIS**

Direct DBMS Access