



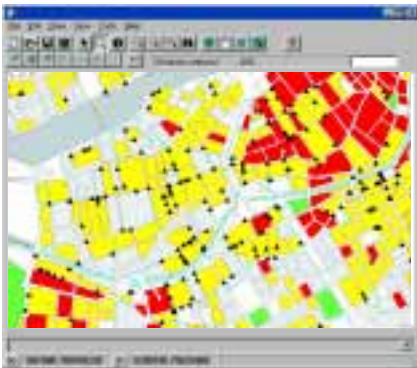
# ArcSDE<sup>TM</sup>

*The Universal Spatial Server for ARC/INFO<sup>®</sup>*

A R C / I N F O E X T E N S I O N

### ArcSDE Includes

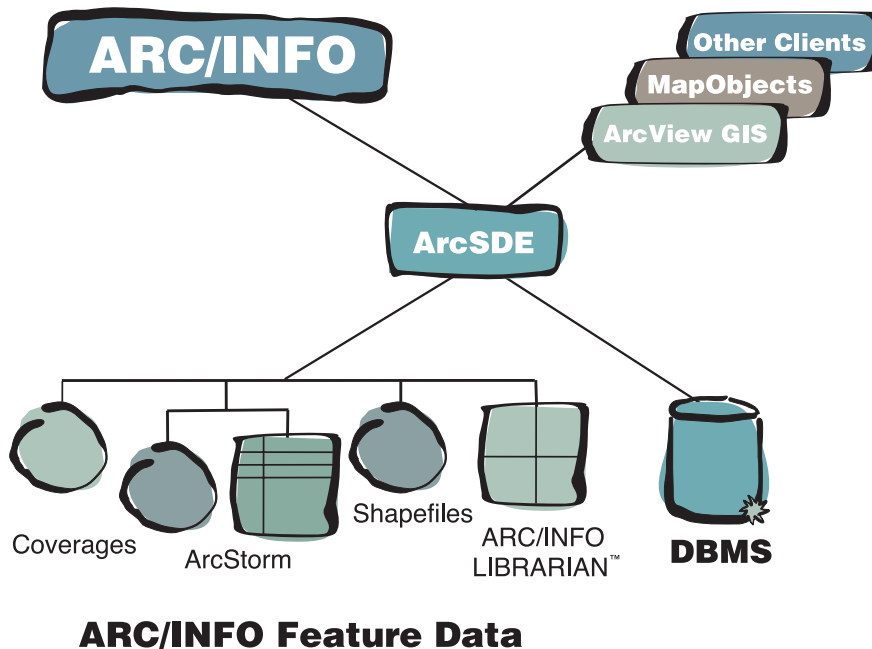
- SDE for Coverages Server  
Serves all supported ARC/INFO vector data types
- SDE for DBMS Server  
Available for your choice of Oracle®, Informix®, Microsoft® SQL Server, Sybase®, or IBM® DB2®
- Five SDE Client Connects  
Simultaneous connects to SDE for Coverages and/or SDE for DBMS servers
- One Year of Maintenance  
A full year of technical support and software upgrades



ArcSDE is a special release of ESRI's SDE technology with specific enhancements for ARC/INFO users. Its purpose is to integrate SDE client/server technology within ARC/INFO software. This specially priced extension brings the many benefits of SDE to all users of the world's leading professional GIS software system.

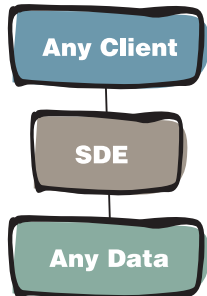
Call ESRI, your regional office, or your local international distributor today to get the most out of your ARC/INFO data with ArcSDE!

\*ARC/INFO license required.



## Backoffice Data Service Provides Open Access to ARC/INFO Databases

ArcSDE™ is an extension that supplies the same Spatial Database Engine™ (SDE™) server as enterprise SDE and the SDE for Coverages server that provides access to the file system databases.



ARC/INFO® software is the tool of choice for building and maintaining intelligent spatial databases. ArcSDE is a high-performance, object-based spatial data access engine that provides spatial data to multiple users within an enterprise environment. The vast majority of today's spatial data is contained in one or more of these popular file-based formats: coverages, map libraries, ArcStorm™ databases, and ESRI® shapefiles. Worldwide, billions of dollars are spent annually to construct and maintain these ARC/INFO databases. Leveraging these vast data holdings is a challenge, unless you have ArcSDE.

Today, you need to provide access to all your data. Your ARC/INFO databases are increasingly integrated in corporate information systems. To provide open access to ARC/INFO databases you need the power of ArcSDE.

### Why ArcSDE?

ArcSDE offers users of ARC/INFO professional geographic information system (GIS) software numerous benefits. For example, you can

- Serve ARC/INFO data to any supported client without conversion or replication.
- Serve ARC/INFO data across TCP/IP and heterogeneous networks.
- Perform smooth transitions from file-based systems to management of spatial data in a database management system (DBMS).
- Provide open access via a standard, published application programming interface (API) to all GIS data managed by ARC/INFO.
- Have a unified interface for all existing ESRI feature data sources—all SDE clients can access all supported data.

### What Is ArcSDE?

#### SDE for Coverages

You've already built an ARC/INFO database. You need to manage and deploy it. Leverage your investment by allowing greater access to your data. In the past you may have compressed, replicated, and converted ARC/INFO data files and distributed them. ArcSDE lets you provide live and immediate queries of your database without conversion or replication to a variety of clients.



ArcView® GIS, MapObjects®, and computer-aided design (CAD) clients such as AutoCAD® or MicroStation® can access all ESRI-supported data types through ArcSDE. An ArcView GIS user can now display and query transactional ArcStorm databases over a TCP/IP network. CAD software users can display coverages as backdrops to CAD drawings.

Since the SDE for Coverages Server reads your existing data formats, a transition to enterprise SDE and a DBMS may be completed step-by-step. The SDE for Coverages Server can be added to deploy your existing data to a broad spectrum of clients. Then, at a comfortable pace, move your ARC/INFO data into an SDE for DBMS Server.

# High-performance spatial data retrieval

# Flexible security scheme

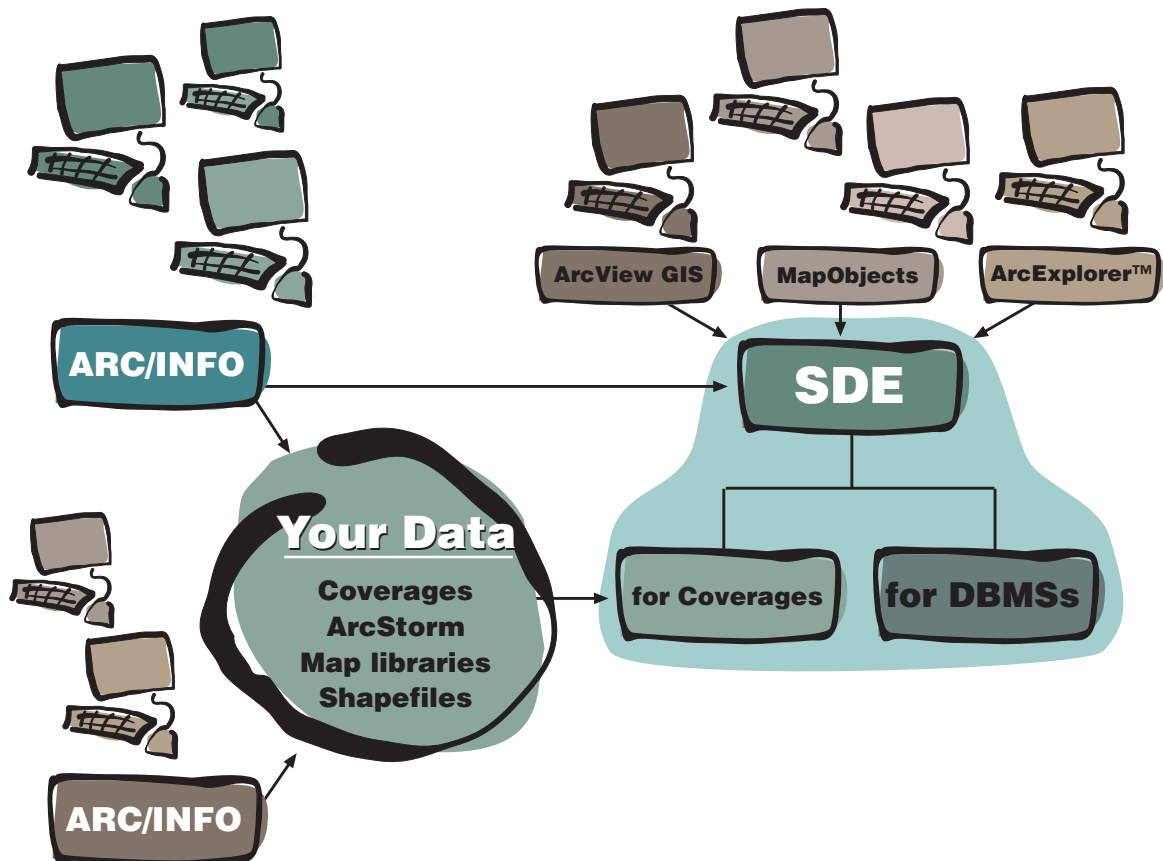


## SDE for DBMS

SDE is a high-performance universal spatial data server and the nucleus of ESRI's three-tiered architecture for enterprise GIS. SDE provides best in class retrieval of geographic data from both file-based sources and DBMSs such as Oracle, Informix, Microsoft SQL Server, Sybase, and IBM DB2. SDE offers advanced spatial search functions, spatial geometry verification, projection functions, fast loading of ARC/INFO databases and shapes, and administration tools.

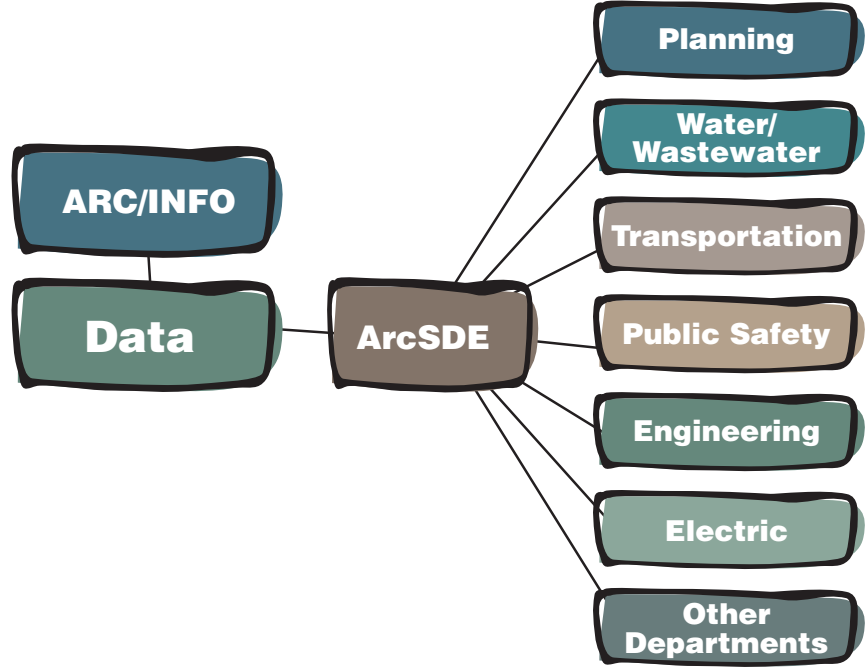
SDE administration of cooperative client/server processing through a client side task frees the DBMS server to concentrate on efficient query of the database. Users enjoy the ability to operate in a heterogeneous environment and reduced client complexity. Clients and servers can communicate over local area, wide area, and Internet/intranet networks.

## Manage millions of spatial features.



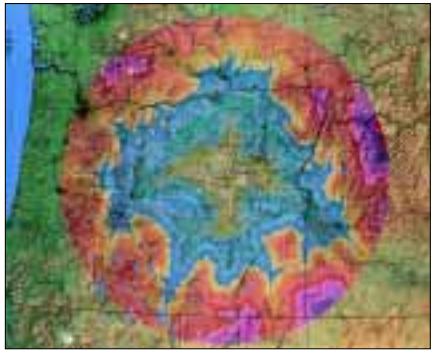
**Designed for a shared multiuser**

# *for the shared environment*



## *Powerful application development interface*

### **The Future of ARC/INFO and SDE**



ARC/INFO uses a georelational data model in which rows in a tabular database represent geographic entities like parcels, roads, and manholes. In this model the feature type is defined purely by the attribute data; a parcel is no different than a building, a road no different than a stream, and a manhole no different than a tree. Future ARC/INFO applications, however, will use an object-oriented data model that provides a means to encapsulate behavior with the feature data.

This new data model offers the ability to deal with multiple data sources and databases in a consistent way. And upcoming releases of ARC/INFO will rely on ArcSDE software's SDE for DBMS Server to manage access to these multiuser databases. To facilitate integrated ARC/INFO-SDE multiuser editing, ArcSDE software's SDE for DBMS Server will soon include direct editing plus long transaction and version management support.

# *environment*





For more than 25 years ESRI has been helping people manage and analyze geographic information. ESRI offers a framework for implementing GIS in any organization with a seamless link from personal GIS on the desktop to enterprisewide GIS client/server and data management systems. ESRI GIS solutions are flexible and can be customized to meet the needs of our users.

ESRI is a full-service GIS company ready to help you begin, grow, and build success with GIS.

## Corporate

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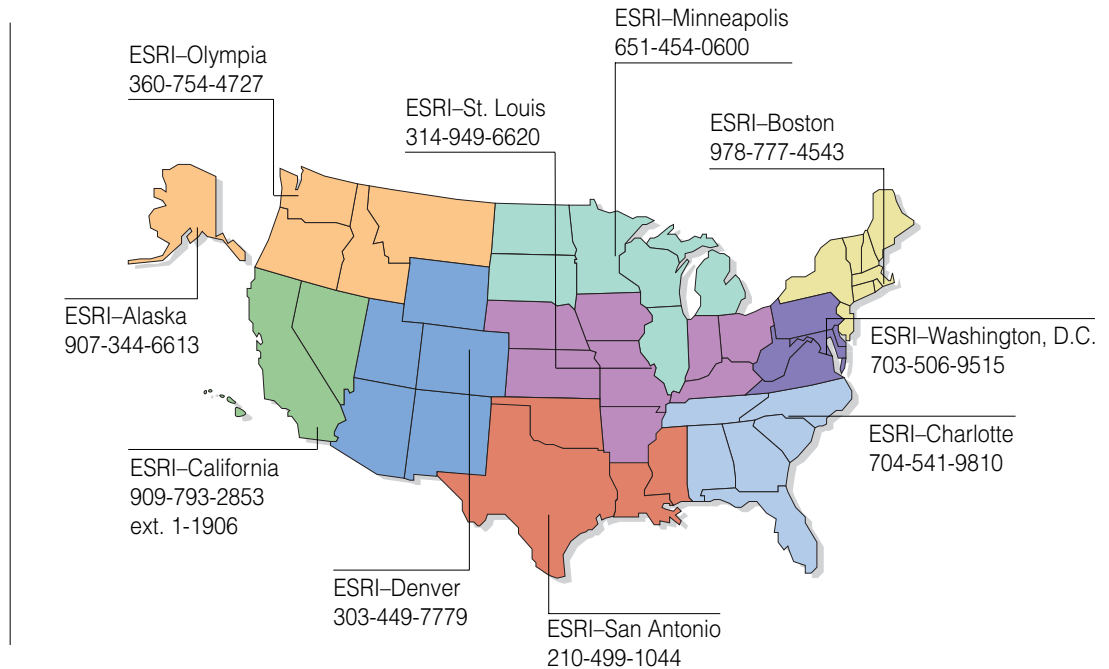
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