

“Autodesk and Oracle understand that local government and public agencies, in particular, can’t afford the complex system customizations often required to access infrastructure and location data that’s locked inside proprietary systems. Oracle is a vital component of Autodesk’s simple-to-use, affordable solution that creates an open environment for cities such as Terrell, Texas, to leverage their existing investments in all types of data.”

Chris Bradshaw
Vice President
Infrastructure Solutions Division
Autodesk

Autodesk and Oracle: Complete Solutions for GIS

Combining Autodesk integrated mapping solutions with Oracle® Spatial helps organizations to create, edit, maintain, and analyze large volumes of spatial, location-based, and design data in an open data environment.

Companies that depend on geospatial data, such as utilities and telecommunication providers, as well as government agencies, can combine Autodesk geospatial solutions with a spatially enabled database from Oracle to streamline data flow, simplify data management, and reduce costs.

Autodesk and Oracle Spatial: A Complete, Streamlined Platform

Using the rich visualization, analysis, and editing capabilities of Autodesk Map® 3D and the web-based GIS of Autodesk MapGuide®, organizations can manage, analyze, view, and share location-based information quickly, efficiently, and cost-effectively. By using Autodesk’s geospatial design tools with Oracle Spatial, the leading database management system for spatial and 3D data, companies gain analysis and maintenance functionality, open accessibility, scalability, and security.

When organizations depend on Oracle® Database with Oracle Spatial as their single data warehouse,

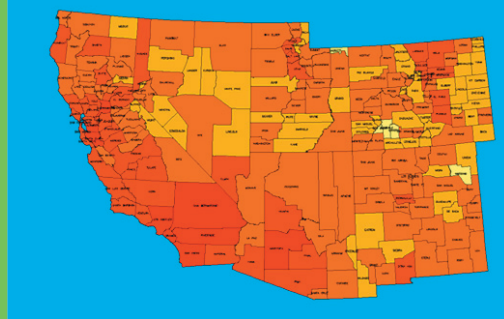
they can manage spatial and attribute data with common storage, indexing, query optimization, security, and user management. This reduces data and process redundancy and eliminates the need to coordinate and synchronize disparate sets of data. The result is streamlined systems management, shrinking costs, and fewer IT headaches.

Benefiting from Open Architecture

Because Autodesk solutions integrate seamlessly and directly with Oracle Spatial, organizations no longer need an inflexible proprietary interface or middleware to access business-critical data. By implementing Autodesk and Oracle in an open environment, an organization can avoid vendor lock-in, manage its Oracle database using Oracle tools rather than GIS middleware, and leverage the full functionality of Oracle 10g.

Prevent Vendor Lock-In

Oracle Spatial 10g manages geographic and location data as native geospatial data types, rather than as binary large objects (BLOBs).



“Connecting Autodesk Map and Autodesk MapGuide to Oracle Spatial is really simple. It’s as easy as opening a file document in Microsoft Word.”

Mitch Webb
Systems Analyst
City of Tacoma

However, data stored as BLOBs can only be accessed with proprietary GIS middleware, thus locking users into a single vendor for all their geospatial applications. In contrast, information managed in Oracle’s native spatial data type can be accessed by any application utilizing the standards-based query language SQL and standard interfaces (ODBC, JDBC, OLE DB). This eliminates the need for expensive GIS middleware and database “engines”. It also allows organizations that implement Autodesk Map 3D and Autodesk MapGuide with Oracle Spatial to deploy additional best-of-breed geospatial applications from other vendors.

For organizations that have already invested in ArcSDE but do not want to purchase expensive ArcGIS software, Autodesk Map 3D provides additional functionality that allows organizations to edit ArcSDE data stored in Oracle using non-proprietary data structures. Once they have adopted the Autodesk-Oracle open architecture, organizations can deploy additional open desktop applications developed by Autodesk’s extensive network using Autodesk’s award-winning ObjectARX .Net development environment.

the full range of Oracle Spatial 10g functionality including linear networks, full polygon topology and topology maintenance, georeferenced rasters, linear referencing, geocoding, and routing.

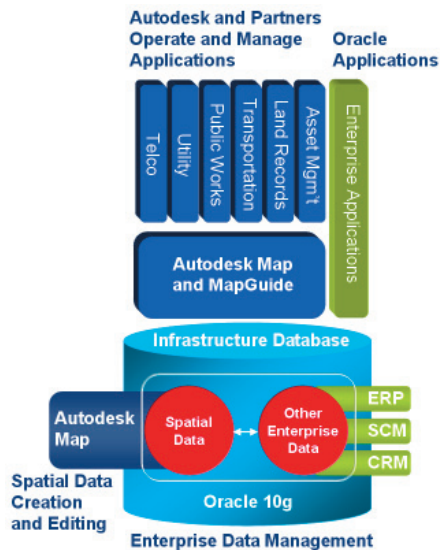
The Autodesk-Oracle Relationship

The world’s leading design software and digital content company, Autodesk enables organizations to harness their digital design data and content. By partnering with Oracle, Autodesk ensures that its customers achieve the greatest return on their GIS investment. Autodesk works closely with Oracle development teams to create products that integrate with Oracle’s newest technology—and ensure maximum performance of joint Autodesk-Oracle solutions.

Autodesk has a very close and longstanding strategic alliance with Oracle. Autodesk is a Certified Partner of the Oracle® PartnerNetwork and Reseller of Oracle Database and Oracle Spatial. This tight development and business alliance enables Autodesk and Oracle to successfully develop and deploy solutions for both large and medium size utility, telecommunications, and government customers throughout the world. In 2003, Autodesk, Oracle, and several other vendors launched an interoperable and open spatial management platform for spatially enabling IT environments with multiple applications. By collaborating on technology, Autodesk and Oracle provide organizations with an integrated, flexible, cost-effective solution for accessing, managing, analyzing, and editing spatial data in an open, non-proprietary environment.

About Autodesk

Autodesk is the world’s leading design software and digital content company, offering customers progressive business solutions through powerful technology products and services. Autodesk helps customers in the building, manufacturing, infrastructure, digital media, and wireless data services fields increase the value of their digital design data and improve efficiencies across their entire project lifecycle management processes. For more information about the company, see www.autodesk.com.



Manage Database Centrally

With its open architecture, the Oracle-Autodesk solution enables the management of Oracle databases using Oracle tools rather than GIS middleware, providing organizations with greater flexibility in manipulating GIS data. In Oracle, spatial tables are managed in the same manner as other data tables—so database administrators can manage Oracle Spatial with the same, familiar tools they already use every day. The result? Reduced management overhead and a faster learning curve for IT staff.

Access Increased Oracle 10g Functionality

Deploying Autodesk geospatial solutions with Oracle Spatial enables organizations to utilize the increased functionality provided by Oracle 10g. They can easily store, access, edit, and query all spatial data types—while also ensuring data quality. Because Oracle 10g and Autodesk Map 3D support long transactions, organizations can perform data versioning without conflicts. This allows users to edit queried objects when offline, then save modifications back to the data source when online again. Organizations can also access

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