

Leica ADE Enterprise Fact Sheet

Business Benefits

Leica ADE Enterprise allows an organization to edit location-based data directly to an Oracle database using only a standard web browser, thereby eliminating the need for any legacy "lock in" GIS software. In addition, organizations reap the operational benefits of, maintaining, updating and analyzing combined spatial and business data in an open IT infrastructure based on Oracle enterprise technology. Enterprise applications often need to extend geographically across an organization.

With Leica ADE Enterprise, these location capable applications can scale across multiple remote locations and provide the concurrent access to heavy user's traffic. A further cost reduction is inherited by this J2EE technology enabling easy customization and deployment. Once customized the application can be deployed globally without additional onsite implementation or support, "*develop once, deploy everywhere*".

Leica ADE Enterprise forms the back bone of the remote and mobile Leica ADE technologies using a common user interface to enable dynamic interactive web applications on laptops and PDA devices. Leica ADE Enterprise is an embeddable technology that allows organizations to automate and integrate business and geospatial capability into other business applications and processes using a rich set of API's.

Business benefits include:

- Low cost powerful solution.
- Highly scalable.
- Single code base for all Leica ADE Suite of product for connected, disconnected and occasionally connected users.
- Same software functionality available to all users.
- One application deployed for enterprise and remote users.
- Simple and easy to use.
- Deployable two or three tier architectures (complete flexibility).
- Complete integration with Oracle 10g technology platform.
- Single development environment for mobile and remote applications.
- Low training costs (common user interface).
- Minimum software management costs (one product to manage).
- Easily customized

Key Features

- **Oracle 10g Locator, *Spatial & LRS:** ADE supports full editing of Oracle 9i/10g Locator, *Spatial and Oracle *Topology geometries and attribute data.
- **Oracle 10g Topology:** Leica ADE Enterprise offers full editing of Oracle 10g Topology data. This allows for the quick and easy determination of topological relationships, consistency of data, no redundant storage of data, and easier analysis of connectivity and network data.
- **Tolerance and Snapping:** Leica ADE Enterprise provides a comprehensive tolerance and snapping capability that radically improves productivity and reduces risk of operational error.

- **Polygon Editing:** Leica ADE Enterprise includes a complete set of polygon editing tools that support topological maintenance of polygonal geometries. Spatial relationship maintenance is also supported.
- **Attribute Engine:** Leica ADE Enterprise include a comprehensive set of attribute editing capabilities, from automated data validation to automatic data prompting.
- **Segmentation Engine:** Leica ADE Enterprise can control the automatic segmentation (splitting) of crossing features. If features inadvertently cross themselves or other features, ADE will split them at the points of intersection and create all relevant objects.
- **Feature Topology Associations:** Leica ADE Enterprise supports the association of topology primitives to pseudo primitives and features. This offers full control of the topology management and enforces third party business logic where necessary.
- **Locking:** Leica ADE Enterprise editions support both optimistic and pessimistic locking principles.
- **Imagery:** Leica ADE Enterprise editions support the backdrop of multiple imagery layers in multiple formats.
- **GeoRaster:** Leica ADE Enterprise supports the backdrop of Oracle GeoRaster imagery.

Requirements Locator Edition

Operating Systems:

- Microsoft Windows NT 4, 2000, XP.
- Sun Solaris (Sparc/Intel), Unix, Linux (Intel), HP-UX, AIX.

Database:

- Oracle Database 8i (8.1.7) /9i/10g with Oracle Locator or Oracle Spatial option.

Application Server:

- Oracle Application Server 9i (9.0.4.0.0) or better. ADE supports a standalone OC4J installation as well as the full enterprise Oracle Application Server.

Client:

- Java runtime environment 1.4 and above.
- Microsoft Internet 5.0 and above or Netscape 6 and above.

Requirements for Web Capability

Operating Systems:

- Microsoft Windows NT 4, 2000, XP.
- Sun Solaris (Sparc/Intel)
- Unix
- Linux (Intel)
- HP-UX

Database:

- Oracle Database 8i/9i/10g with Oracle Locator.

Application Server:

- (For ADE Web capability) Oracle Application Server 9i (9.0.4.0.0) or better. ADE supports a standalone OC4J installation as well as the full enterprise Oracle Application Server.

Client:

- NO OTHER CLIENT SOFTWARE IS REQUIRED.

Licensing

Designed for low cost Oracle Spatial geometry editing, Leica ADE Enterprise is licensed as a named users or can be licensed on number of application server processors (CPU) for three tier architectures. In this three tier architecture, organizations can purchase a single CPU Leica ADE Enterprise license and can add additional CPU's as their applications scale across the enterprise. If remote or mobile editing is required, licenses for Leica ADE Remote and Leica ADE Mobile are added on a per user license. These licenses are device based not CPU based. A minimum Leica ADE Enterprise License is a prerequisite. Leica ADE Enterprise is a pre-integrated extension of Oracle Applications Server's MapViewer and requires a separate installation of Oracle Application server Java Edition license. For more information on licensing please contact: leicaade@gi.leica-geosystems.com.