Oracle Spatial Technologies:

Oracle Maps and 11g Planned Features

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Oracle's Spatial Strategy

Spatially Enable Oracle Platform

- ☒Oracle Database (Oracle Locator, Oracle Spatial)
- ☒Oracle Application Server (MapViewer)

Partnerships

- ☒Integrators
- ☒Data suppliers
- ☒GIS and Geospatial software vendors

Integration with Enterprise applications

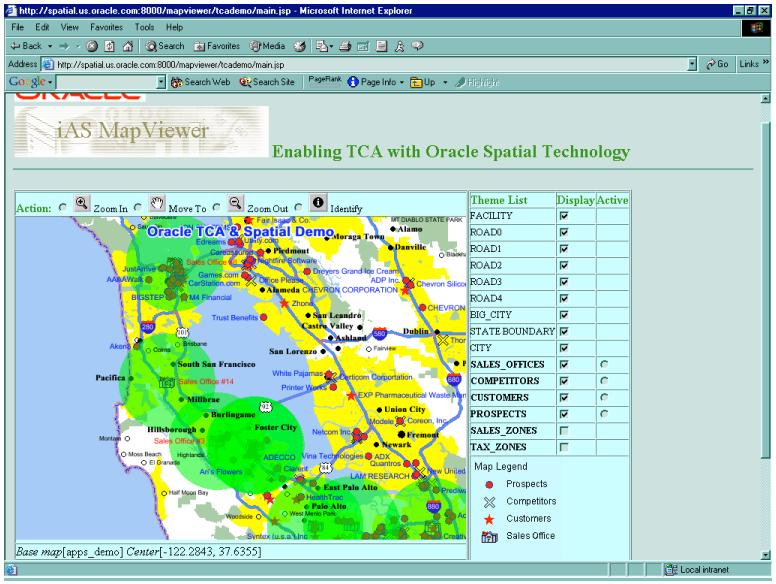
- ☒CRM, BI, ERP, Logistics…

Commitment To Standards

- ☒SQL, OGC, ISO…

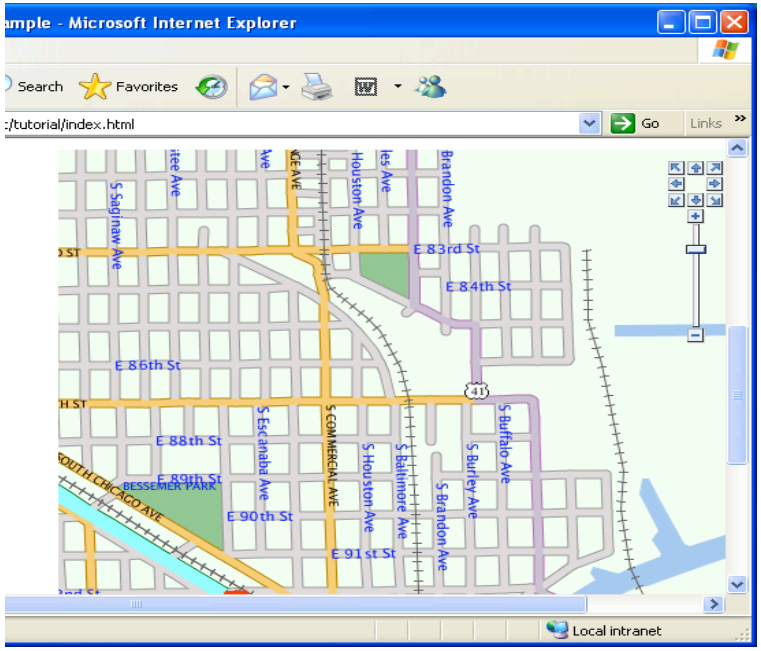
Oracle Application Server MapViewer

- Bundled feature of the Oracle Application Server
- Renders vector and raster data stored in Oracle Locator/Spatial
- Easily publishes spatial data to the web
- Centralized managed symbology, annotation and map definition rules
- Provides an XML API, Java API, JSP Tag library and OGC WMS interface



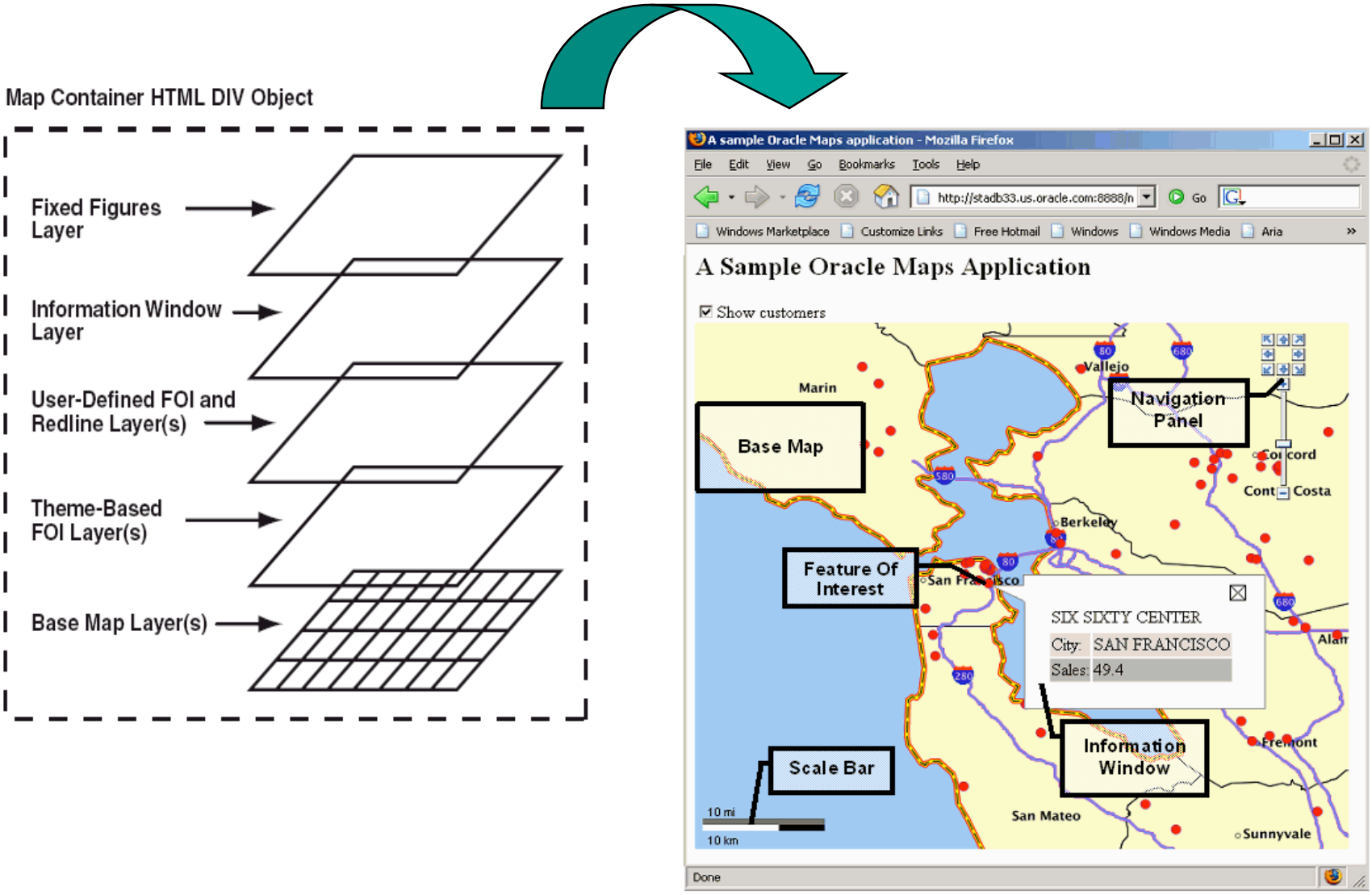
Oracle Maps Interface

- ☒ Powerful AJAX web mapping interface to MapViewer
- ☒ Google-style map display via cached map tiles
- ☒ Interactive Feature of Interest (FOI) layers
- ☒ Red-lining, marquee zoom, thematic mapping
- ☒ Collapsible map decoration pieces (legend etc)
- ☒ Integration with 3rd party WMS services
- ☒ Open JavaScript API



Introduced in iAS 10.1.3.1 SOA Suite

Oracle Maps Content



11g Planned Features/Enhancements

- ☒ 3D Types and Functions
- ☒ Web Services
- ☒ GeoRaster
- ☒ Network Data Model

Oracle Spatial 3D Enhancements

- 3D coordinate systems
- 3D Types for points/lines/polygons
- 3D Spatial index, SQL operators and PL/SQL functions
- Specialized types for large volumes of 3D point data
  - Represent scenes as a set of 3D points obtained using laser scanners etc. (point clouds)
  - Surface representation using TINs
- Address growing number of 3D applications
  - GIS, CAD/CAM
  - VR, Medical Applications
  - City Modeling

Geospatial Web Service Enhancements

- Transactional WFS (1.0)
  - GetCapabilities, DescribeFetaure, GetFeature, GetFeatureWithLock, LockFeature, Transactions
- Catalog Service Web (CSW) 2.0
  - Discovery, publication, harvest
- OpenLS 1.1
  - Location utility, geocoding, mapping, routing, directory
- Web Services Security
  - Encryption, authentication, authorization, propagation of identity

GeoRaster Enhancements

New Metadata and Raster Type Support

- ☒New georeferencing
- ☒Multiple NODATA values (>1 indicator of Null)

New and Enhanced Functionalities

- ☒Mosaics allowing gap/overlap
- ☒Raster union
- ☒Import/export GeoTIFF and DigitalGlobe RPC

Usability Enhancements

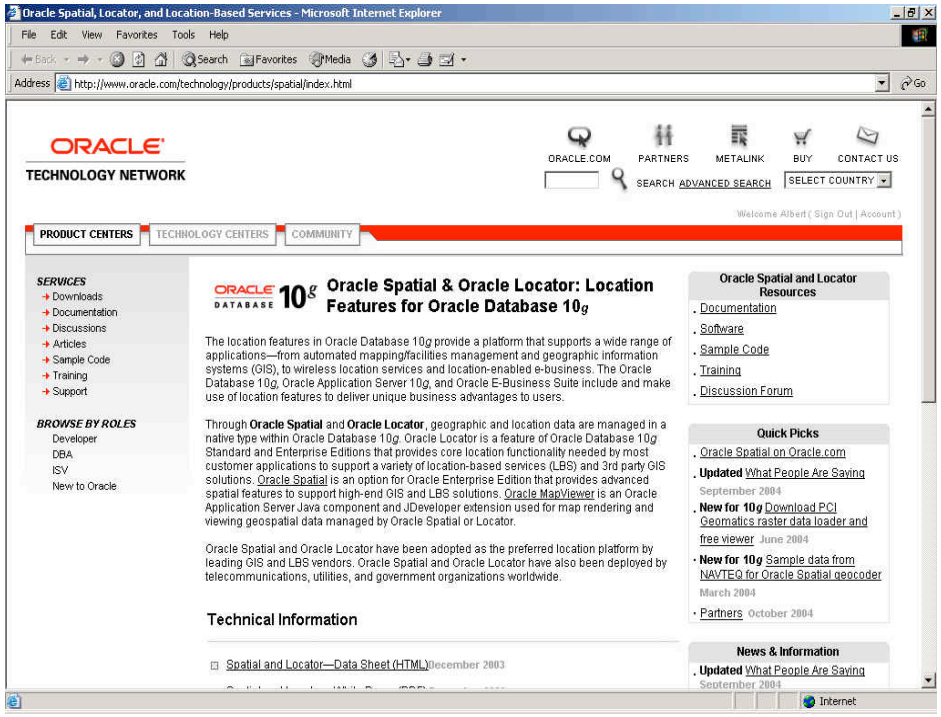
- ☒Automated trigger creation
- ☒Workspace Manager and Label Security

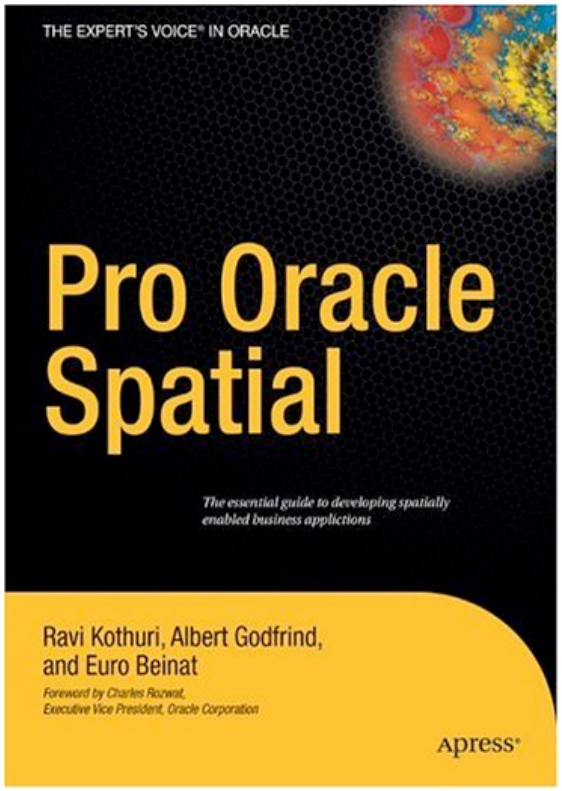
Network Data Model Enhancements

- Database-level handling of user or application-specific attributes
- Duration modeling
- Selectively extract a subset of a network using SQL-like filters
- Path arithmetic support
- New Analysis Functions
  - Trace out
  - Partial links as end nodes in a path result
- Workspace Manager Support

To find out more...

http://www.oracle.com/technology/products/spatial/





Examples, white papers, downloads, discussion forum, sample data, customer successes, partner information, more

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