May 2012
Oracle Spatial User Conference
May 23, 2012
Oracle Spatial User Conference
Ronald Reagan Building and International Trade Center
Washington, DC  USA
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Oracle MapViewer in Applications and Tools
Program Agenda

• MapViewer Overview
• Maps in Applications
• Maps and Development Tools
Oracle MapViewer

A standard feature of all Oracle Fusion Middleware editions

- Standards-based J2EE and Java Server Faces component
  - XML/HTTP, Java/AJAX
- Publish spatial data to the web
- Map and feature cache provides smooth scroll (pan, zoom)
- Rich Java, XML, JavaScript APIs provide client side interactivity
- Centrally managed map definitions, symbology, and styling rules
Map-Enriched Business Applications

- Geocoding
- Spatial searches
- Routing
- Mapping
Integrating External Data Sources

Oracle eLocation
Google Maps
Microsoft Bing Maps
Custom Tile Servers

Map Cache Server
JavaScript Map API
Map Rendering Engine
Map Cache
FOI Server

WMS
WFS

Spatial Tables
Map Definitions
Mapbuilder

HTTP
JDBC
MapViewer Architecture

Application
- JavaScript Map API

HTTP

Map Cache Server
- FOI Server
- Map Rendering Engine

JDBC

Spatial Tables
- Map Definitions

Map Cache

Mapbuilder
MapViewer in applications & tools

• Enterprise Applications
  – Transportation
  – Utilities
  – Comms
  – Healthcare

• Development Tools
  – JDeveloper
  – APEX
  – WebCenter
  – SQLDeveloper

• Business Intelligence/Analytics
  – OBIEE
  – CEP
Oracle Transportation Manager
Utilities Mobile Workforce Mgmt
Utilities Network Mgmt System
Utilities Work & Asset Management

Thematic Maps showing analytic information. This represents the current state of the Main Line infrastructure.
Comms: Unified Inventory Mgmt
Develop Applications with JDeveloper
Maps in Application Express
Application Express & MapViewer
Maps in WebCenter
Mapviewer integration in SQL Developer
Map views in Oracle BI Suite
Utilities BI
Complex Event Processing
Tracking Moving Objects
http://www.oracle.com/technetwork/database/options/spatial

Examples, white papers, downloads, discussion forum, sample data ....