



OpenSpirit Web Solutions



OpenSpirit Technical
Symposium – Barcelona 2010



OpenSpirit Tools

right
from the start



Desktop Applications

Copy Manager

Excel Adapter

LoadIT WITSML

Data Selector
Desktop Viewers

Scan Utility
ArcGIS Extension
Google Earth
ArcGIS Explorer
ArcGIS Server

OPAA
(Petrel plug in)
Plus adapters from other ISVs

Data Management

GIS Integration

Application Integration

Web Applications

Data Selector
Web Viewers
ArcGIS Server Integration

This talk

Web Integration



Integration Framework

Corporate and Project Data Stores

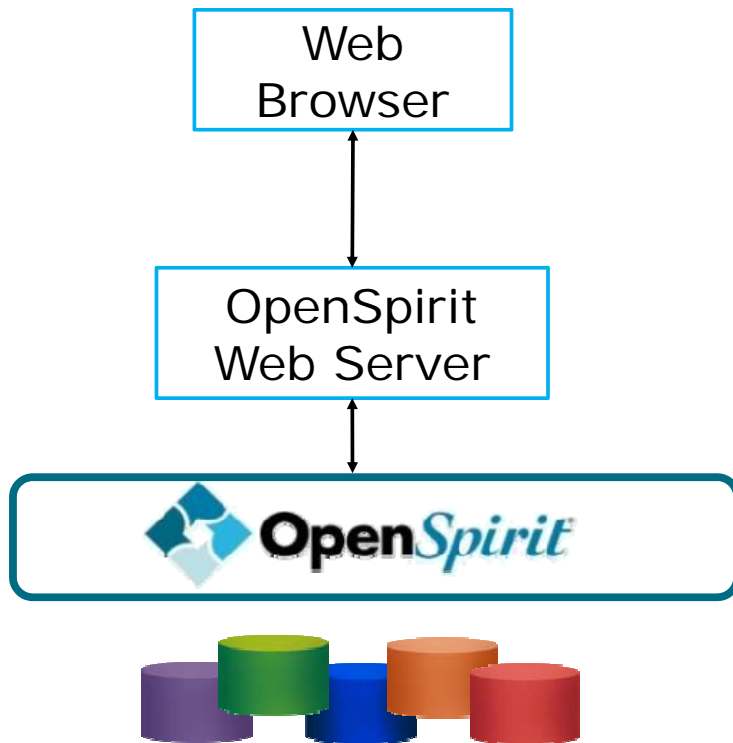


OpenSpirit in a Web Environment - Options

- Use shrink wrapped OpenSpirit web server and client
- Use OpenSpirit Web Server services with your own web client
- Build your own web services – J2EE or ASP.NET

OpenSpirit Web Options – 1

Use Shrink Wrap Web Server Product



- Browse data in table form
- Plot wellbore, log, checkshot, horizon grid, or 2D/3D seismic data
- Display selected data in Google Earth or ArcGIS explorer
- Display selected data in Excel
- Send data selection events

Live Demo

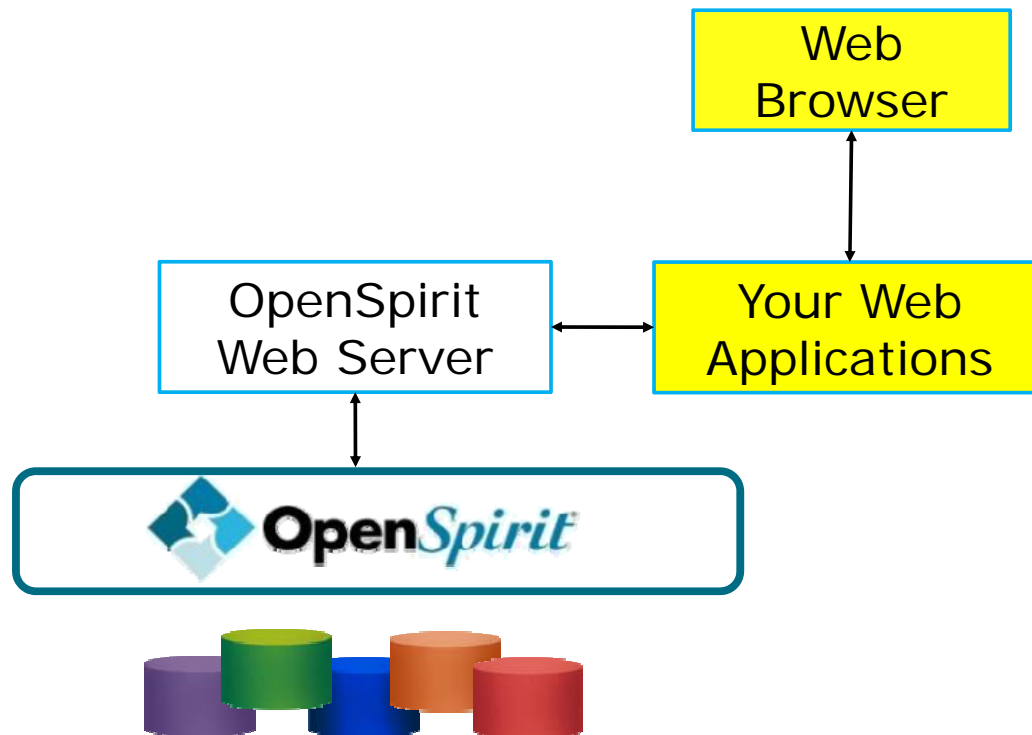
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from the **start**



 **OpenSpirit**

OpenSpirit Web Options – 2

Use Web Server in Custom Web Application



Leverage OpenSpirit REST-style Web services

REST Services

- **Login** (to identify user to limit data access or scope events)
- **Query** (read only – any OpenSpirit object from selected projects)
- **Plot** (wellbore, log, checkshot, horizon grid, 2D/3D seismic)
- **Report** (simple details of well, 2D line, 3D survey)
- **Send data selections**



Examples of using REST Web Services

- List available projects

<http://wren:8080/WebOsp/servlet/ProjectTreeJson>

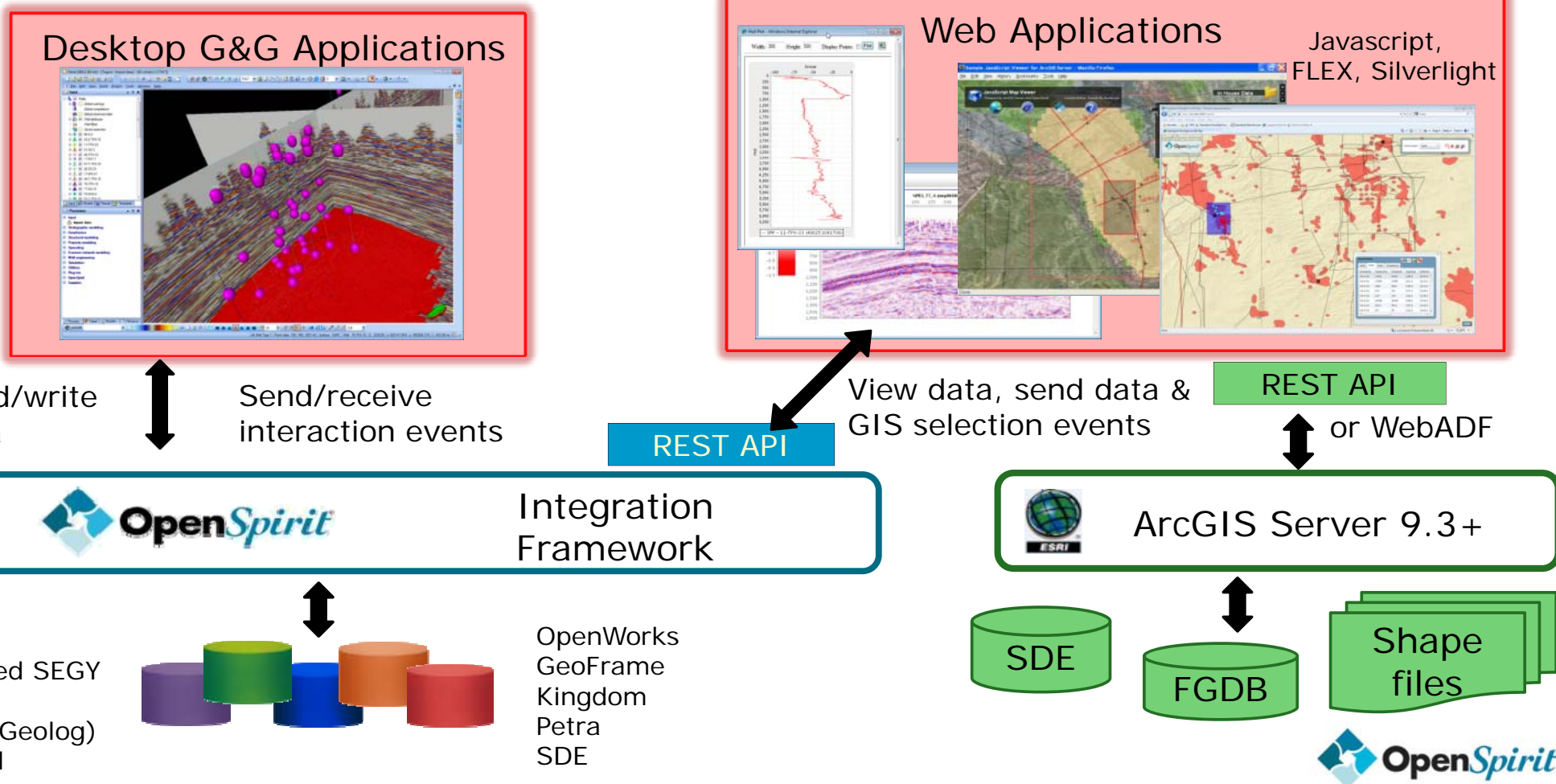
- List well header info for a given project

http://wren:8080/WebOsp/servlet/TableQueryJson?projectIdsString=TEAPOTDOME_SMALL:ow_Onshore:OpenWorks_R5000&attributesString=name,identifier,totaldepth&tableName=EpiWell_WellBore&parentColumnName

- Plot selected seismic volume

http://wren:8080/WebOsp/servlet/PlotServlet?dataKeys=%3Ckey%20en%3D%22EpiSeismic_PostStack3d%22%20mv%3D%222.9%22%20dn%3D%22ow_Onshore%22%20tn%3D%22OpenWorks%22%20tv%3D%22R5000%22%20pn%3D%22TEAPOTDOME_SMALL%22%3E%3Cse%20n%3D%22gdiSeismicDataSet_t%22%20id%3D%221%22/%3E%3Ca%20n%3D%22seismic_data_set_id%22%20ei%3D%221%22%3E4%3C/a%3E%3C/key%3E

Web-Based GIS Integration



Live Demo

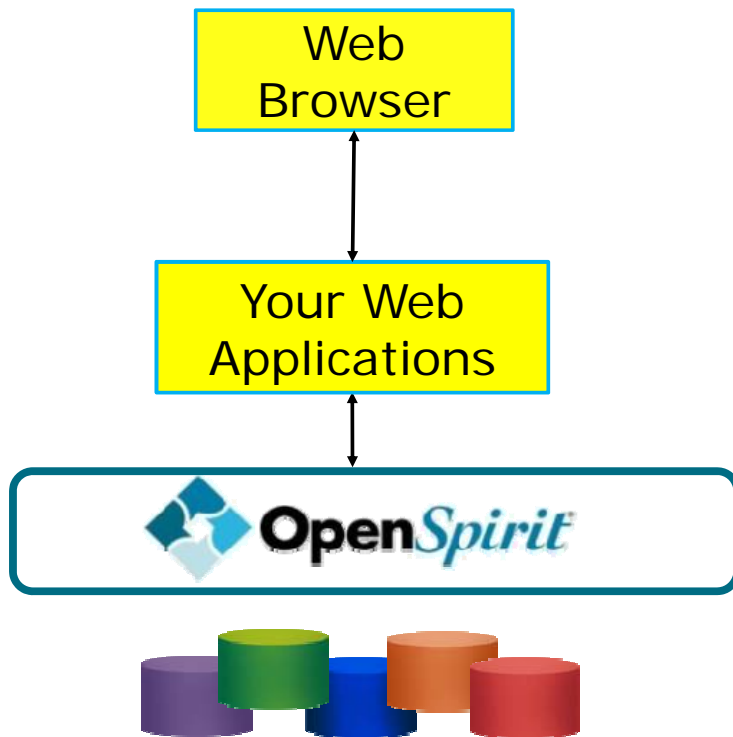
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 **OpenSpirit**

OpenSpirit Web Options – 3

Use Dev Kit in Custom Web Application



- Leverage OpenSpirit Data, Event, Metamodel, Carto, and Unit services in your own J2EE or ASP.NET Web application
- Interact with OpenSpirit- enabled desktop applications



Summary



OpenSpirit may be readily used in a Web environment

- Use OpenSpirit Web server by itself as a simple tool for browsing data
- or–
- Use the OpenSpirit REST Web services to easily integrate in your own web application
- or–
- Use the OpenSpirit Java or .NET dev kit in your own Web application





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