



Infinite Integration

LoadIT™ WITSML

OpenSpirit December 2008 Webcast



OpenSpirit Real-Time



- Today's Business Need
 - Drive timely rig/office collaborative decisions
 - Monitor multiple complex wells simultaneously
- Challenge
 - Asset team access to WITSML data within their existing desktop geosciences environment
 - Shortage of Expertise in the industry
- Solution
 - OpenSpirit LoadIT WITSML Utility



Collaboration in Practice



"If we could save even a few hours of rig time as a result, the effort would be more than worth it."

"This would really save time for our data techs who are tasked with the tedious data export/import of RT log data into our projects. An added benefit is the data management efficiency one."



Today's Mission



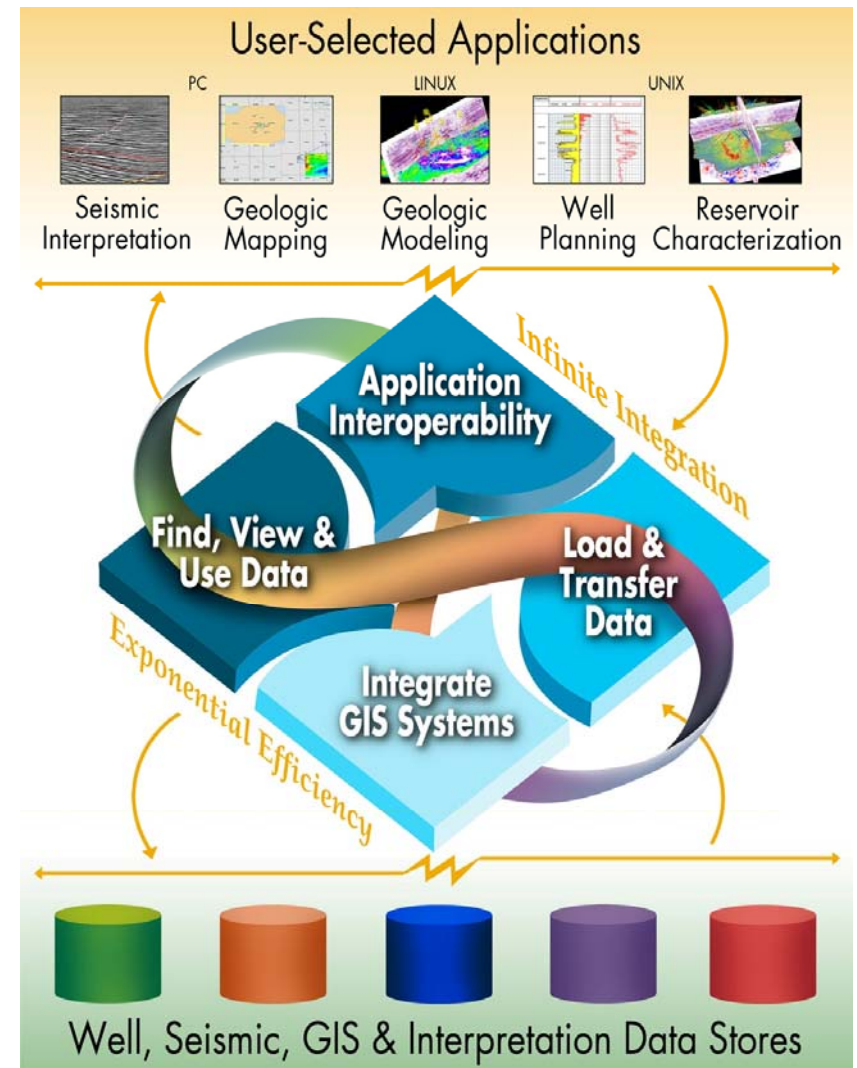
- Oil Company Participants
 - Exploit your existing OpenSpirit footprint (V3.x)
 - Streamline WITSML data delivery to your asset teams
 - Optimize your drilling spend
- Service Providers
 - Integrate your value-add drilling solution to geoscience
 - Drive product and services sales



Who is OpenSpirit?



- Upstream E&P's Open Integration Framework
- Our sole focus is *integration*:
 - SOA
 - Standards Based
 - Platform Independent
 - Vendor Neutral
 - Event Driven



LoadIT™ WITSML



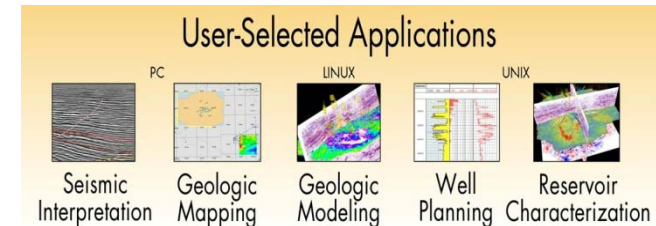
WITSML Server Sources
(Office or Field)

Schlumberger InterACT
Sperry INSITE Anywhere
Kongsberg SiteCom
Petrolink
Wellstorm
Others...

LoadIT WITSML
Data Loader



OpenSpirit-Enabled Applications



OpenSpirit Base Framework



GeoFrame, Finder, Petra, KINGDOM,
Recall, OpenWorks, R5000, PPDM, Others

In progress: EPOS, Seabed...others

- On-demand well data transfer
- Leverages Schlumberger's Osprey Connect SDK
- OpenSpirit Data Selection and Data Change events automatically sent to OpenSpirit-enabled applications as data is loaded to data store



Data Type Support



OpenSpirit Objects

- Well
- Wellbore (including deviation survey)
- Well Log

WITSML Objects

- Well
- Wellbore
- Log
- Trajectory
- TrajectoryStation

This represents 80% of an interpretation team's well data access needs.

LoadIT WITSML Functionality



- On-demand well data transfer to a designated OpenSpirit-enabled project data store
- Leverages Osprey Connect SDK libraries which provide multi-vendor WITSML server access
- Read from WITSML server (*Write capability in future version)
- OpenSpirit Data Selection and Data Change events automatically sent to OpenSpirit-enabled applications as data is loaded to data store



Integration Solution Benefits



- Any service provider WITSML source to any data store
- Load multiple source streams to multiple data stores simultaneously
- Right-Time coordination with geoscience applications



Summary



- OpenSpirit LoadIT WITSML Utility
 - An OpenSpirit data loader utility to enable data access and data transfer of log curves & directional surveys from multiple WITSML Server sources to any OpenSpirit-enabled data store
- Solution Benefits
 - Drive timely rig/office collaborative decisions
 - OpenSpirit-enabled applications gain immediate access to WITSML data
 - Easily correlate with offset well data



Thank you!



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