DecisionSpace® Base Module

OVERVIEW

The DecisionSpace® Base module is the foundation for all DecisionSpace-based applications. This foundation provides a common visualization and interpretation workspace, along with features leveraged across workflows and modules within the DecisionSpace environment such as: Data Access and Analysis, Interpretation Notes, HiFi Color Bar, 2D and 3D Graphical Editors, Workflow Guidance, Print and Image Creation, and more.

The DecisionSpace environment is a unified workspace where asset teams can collaborate more effectively to evaluate and develop assets. It helps deliver a true multiuser environment with leading integration across multi-domain workflows and data types—all on the award winning, data management foundation of Landmark OpenWorks® software.

Figure 1: 3D visualization with integrated data analysis tools in the DecisionSpace® environment.

KEY BENEFITS

» Allows visualization and interpretation of all OpenWorks supported data across all workflows in one application
» Enables more efficient teamwork by allowing multi-user visualization and interpretation
» Supports dynamic data updates which enable fast and accurate decision-making

KEY FEATURES

» Linked data views update dynamically
» Interpretation Notes capture and share information
» Dynamic Help and Workflow Support
» Access to real-time drilling updates
» Built on the OpenWorks® database

BENEFITS

See The Big Picture

The DecisionSpace Base module is the enabling technology for consolidating disparate applications and workflows into a single workspace where a shared subsurface model may be viewed and analyzed. The ability to visualize, analyze, interpret, plan field development and simulate the surface and subsurface in 1D/2D/3D together helps a team come to a common understanding of the whole project. Well log correlations may be validated against seismic backdrops, earth models may be validated against well log data and seismic sections, field development scenarios may be modeled in context of the earth model, so you can always be sure you have the big picture in mind.

Make Better Decisions Faster

You can make better decisions when all relevant data is easily accessible, in context, and aggregated into a single view. See seismic data in context with well log data, along with your horizons, to build a structural framework. Or build your earth model using your structural framework, then add your targets and develop your well plan. As microseismic events and geopressure data comes in, adjust your field development scenarios. You can see dependent data together, to make better decisions, faster.
Dynamic Interpretation Updates
The DecisionSpace Base module is tightly integrated with OpenWorks data management software so your frameworks can be dynamically updated as new data becomes available. We call this the Dynamic Frameworks to Fill® workflow. Not only does this save time and effort, but it helps ensure that all the available data is in the model for further analysis.

FEATURES

See Your Data From Every Angle
DecisionSpace Base foundation provides the visualization framework that allows data to be viewed in 1, 2 and 3 dimensions. Editors are linked such that as you update data the cube, section, correlation and map views dynamically update.

Share Your Wisdom
Capture ideas, thoughts, documents and links in an objects Interpretation Note (iNote). Group data for a project in an Interpretation Set (iSet). Share your entire interpretation session with other team members on the same project. All of these items are saved with your project in the OpenWorks database and are therefore accessible by all on the team.

Utilize Multi-display Viewing
Undock any view to a full screen on a second monitor to maintain perspective. See 1D, 2D and 3D cube views in any customized combination.

View Data In Time Or Depth
Display data dynamically in either time or depth with one button click. Perform dynamic depth conversions to stretch and compress data in your view when necessary.

Dynamic Help And Workflow Support
Dynamic Help task pane follows your movement through the application, offering help pages as you go. The Workflow Guide feature provides step-by-step instructions for some of the most common workflows in exploration. Undock these panes for reference as you work. Use them for best practices, guidance where you require refreshing, or to learn something new.

Move Seamlessly Between OpenWorks & DecisionSpace Applications
The DecisionSpace Base module is built on OpenWorks database, so not only can you see all of the data available for a project, but projects stay in sync and can be shared both locally and globally at an enterprise scale.

Support For Geocellular Model Formats
The DecisionSpace environment uses a common format for both static modeling and dynamic simulation. In addition, DecisionSpace software has read/write capability to common industry formats such as RESCUE, Roxar™ RMS®, Paradigm™ GOCAD® and Eclipse/Petrel formats.

Access To Real-Time Drilling Data
Access to real-time drilling updates (via OpenWire® software) enables the transfer of drilling and formation evaluation data from service providers to DecisionSpace application workflows.

SYSTEM AND SOFTWARE

Operating Systems
» Microsoft® Windows® 10 64-bit
» Red Hat® Enterprise Linux® 7.4 64-bit

System Requirements
Prerequisites:
» OpenWorks® 5000.10.6
» Oracle® 12.0.2.1
» MacroVision FLEXnet® Publisher 11.7

Hardware
System Memory:
Minimum 16GB
Recommended 32GB

“With DecisionSpace® software we have expanded our collaborative workflows, from subsurface interpretation and drilling all the way through completion and stimulation of the well.”

DRILLING VP, LARGE INDEPENDENT OIL COMPANY