OVERVIEW

The DecisionSpace® Base module is the foundation, or prerequisite, for the Geoscience and Engineering applications. The module 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, Interpretation Sets, the Workflow Catalog, Project Designer and more.

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

The enterprise-scalable collaborative workspace and data management solution empowers asset teams to gather, analyze, and share data faster and make better decisions with robust visualization, interpretation, and modeling. It helps organizations harness their collective expertise to evaluate large data sets for hydrocarbon potential, weigh engineering and economic factors, and drive business value.
**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, can help members of a team come to a common understanding of the challenge at hand. 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.

*See your work update*

In the DecisionSpace environment, your structural frameworks are always ‘listening’ for changes in the data. That is because the DecisionSpace module is tightly integrated with OpenWorks data management software so your frameworks can be dynamically updated as new data becomes available. We call this 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 environment provides the visualization framework that allows data viewing in 1D/2D/3D views. Views are linked. As you change data, cube, section, correlation and map views dynamically update.

*Share your wisdom*

Capture ideas, thoughts, documents and links in an object referenced pop-up note or Interpretation Notes. Capture groups of data for a project in Interpretation Sets. By doing this, you not only share your analysis, but also every input. This metadata is saved with your project in the OpenWorks database, so it can be passed on for the life of the project.

*Dock or undock your windows as you choose*

Full screen a particular view such as the cube view by undocking the view onto a second monitor. Now you can see your cube view side-by-side on dual screens with another view such as map, section or correlation. Dock the view when you are done. See 1D, 2D and 3D cube views in any customized combination. Dock/undock task panes as well.
**View data regardless of 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.

**Calculate your numbers**
Execute attribute extractions from seismic amplitudes (either spectral or filtering), instantaneous attributes, horizon calculations, grid operations, point set operations and more, regardless of which DecisionSpace module you are using.

**Look up your workflow**
The Workflow Catalog feature provides instructions for some of the most common workflows in exploration. Use them for best practices, for guidance where you require refreshing, or to learn something new.

**Design your own project workflow**
The Project Designer feature provides the ability to flow chart a custom process, mark the status of each step in the process, capture screen shots to mark decision points, and generate reports.

*A seismic section view and the Project Designer within DecisionSpace.*
**System and Software**

**SYSTEM REQUIREMENTS**
Prerequisites:
- OpenWorks® 5000.8.3
- Oracle® 11g
- MacroVision FLEXnet® Publisher 11.7

**OPERATING SYSTEMS**
- Microsoft® Windows® 7 64-bit
- Red Hat® Enterprise Linux® 5.8 64-bit

**HARDWARE**
System Memory:
- Minimum 16GB
- Recommended 24GB

**Move seamlessly between OpenWorks and 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.

**View your geopressure data**
The PressWorks™ Connector provided with the DecisionSpace Base module allows you to access and view geopressure data from the PressWorks database.

**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.

“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**

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