Business transformation delivered by Integrated Information Management

Janet Hicks
Sr. Manager, Information Management and Platform technologies
Landmark Software and Services
Landmark Alignment...

Portfolio of Prospects

- Exploration Ranking

Pipeline of potential investments

- Where to explore?
- Which prospects to investigate?
- Where to invest?

Portfolio of Discoveries

- Delineation
- Appraisal
- Planning

- Which discoveries to develop?
- What are the reserves?

Portfolio of Production

- Real-time execution and control
- Asset model driven performance

DecisionSpace® Geoscience

- Managing the ‘balance sheet’

DecisionSpace® Drilling and Production

- Managing the ‘P&L’

DecisionSpace® Enterprise Platform
E&P Business & Technology Challenges

Business

Developers

IT

Workflows & Extensions
Data Access & Integration

Open Ecosystem
Developer kits

Stability, Scalability
Extreme Performance
# The Evolution of E&P Integration

<table>
<thead>
<tr>
<th>1st Gen</th>
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<th>4th Gen</th>
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- **One to One**
- **Many to One**
- **One to Many**
# The Evolution of E&P Integration

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**Diagram**

- **1st Gen**: One to One
- **2nd Gen**: Many to One
- **3rd Gen**: One to Many
- **5th Gen**: Many to Many

- App 1
- App 2
- App 3

- DB 1
- DB 2
- DB 3

- Server

- Google, Facebook logos
# The Evolution of E&P Integration

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- **“Platform”**

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- **DB 1**
- **DB 2**
- **DB 3**

- **One to One**
- **Many to One**
- **One to Many**
- **Many to Many**

- **DecisionSpace®**

- Ecosystem Foundation
- Application Foundation
- Integration Foundation
- IM Foundation
Ecosystem Foundation

*Easy to use, Easy to deploy, Role based dashboards*

Application Foundation

*Building & Customizing richer E&P applications faster*

Integration Foundation

*Enterprise class data and process purpose built for E&P applications*

Information Foundation

*Comprehensive, Industry specific data management*
Data Integration

DecisionSpace Data Server

Data Access and Federation/Virtualization

Connectors

Web Services, Jdbc

Portal/Thin

Desktop/Thick

OpenWorks
 EDM
 CDS
 Recall
 Petrel
 GGX
 PPDM
 SAP
 3rd Party

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DecisionSpace® Platform

Deployment options out of the box

Mobile

Cloud

Enterprise deployment

Ecosystem Foundation
Application Foundation
Integration Foundation
IM Foundation

SQLite

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Summary

- There is a need for business flexibility & agility
- There is a need for an Open Ecosystem
- There is a need for scalable enterprise deployments
- These needs demand an enterprise platform that dramatically increase Information access and integration