

## B2|Eclipse Integration Module

### Functional description

The main function of **B2|Eclipse Integration Module** (IM) is to automate conversion from Eclipse reservoir models in GRID format to OpenWorks reservoir models in VDB format. This is done through the following steps:

- Use a monitoring mechanism to supervise a specified directory (using CRON)
- When new Eclipse reservoir model files are produced, identify these and process with Halliburton Landmark DBmap (this application takes care of the actual conversion)
- Store the output model in a specified directory for use within for example Landmark DecisionSpace for visualisation
- Produce events in the **B2|Meta Model** when models have been completed and stored in VDB format in the specified output directory

### Supported data types

The B2|Eclipse IM supports the following data types:

Datatype	Comments	Read	Write
Eclipse GRID files		Y	N
OpenWorks VDB files		N	Y

### Released versions

The following table lists the released versions of B2|EDM IM:

Version	Supported B2 Collaboration Server	Supported Eclipse version
V3.2	V3.2, V4.0	
V4.0	V4.0	
V4.1	V4.0, V4.1	

### Technical requirements

Operating system: Requires both Windows Server 2003 or 2008 x64 and Linux (RHEL) 64-bit.

Software requirements: Requires Oracle Java

Other requirements:

- Requires a running instance of **B2|Collaboration and Integration Server**.
- Access to OpenWorks with an instance of DBmap
- Requires read and write access to the directories it monitors

### B2 infrastructure

The **B2|Integration Modules** are components in the B2 suite. The B2 suite also contains the required server and integration components, such as the **B2|Collaboration Server, B2|Meta Model** and **B2|Web Service**.

This common infrastructure serves end-user application clients such as the **B2|Integrated Well Planning, B2|Integrated Operations, B2|Virtual View** and **B2|Virtual Arena**.