

IHS Kingdom Suite – Re-linking Seismic Direct Project

Work Instruction | EUAF-FNLM-CD-WI-008

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Work Instruction

1. Introduction

This document provides a guide to reconnect IHS Kingdom projects, created using SeismicDirect, to SEG-Y files. The guide is intended for Fugro employees working with IHS Kingdom software created with the SeismicDirect functionality.

2. Project Structure

Projects created with use of SeismicDirect rely on links to specific folders in the project structure containing:

- SeismicDirect application files;
- SeismicDirect log files;
- Project SEG-Y files.

Connection between the Kingdom Project and these folders may be lost upon physically copying the project to a different network location. In addition, the assigned drive letter (e.g. 'D') may be different for a Kingdom Project stored on an external HDD when plugged into different computers. In both scenarios, seismic amplitude data may not be displayed in the Kingdom Suite Project. To resolve this the three SeismicDirect folders need to be re-linking to the project.

You know when you need to re-link the folders when you get the following message upon attempting to open a seismic section:



Browsing to the correct folder location (using the 'Browse' button) does have the desired effect; relinking should be done within SeismicDirect (i.e. click on 'OK').

3. Re-linking Folders

The following step-by-step guide will allow you to relink the SeismicDirect and SEG-Y folders and have the Kingdom Project working as intended within a couple of minutes.



Step 1 – Open SeismicDirect from within the Kingdom Project:

On menu bar: Surveys → SeismicDirect)

1	9	IHS™	King	dom® 64	-bit -	Base	Мар	-							
	Ma	ар <u>V</u>	iew	<u>P</u> roject	Sur	/eys	C <u>u</u> lture	<u>W</u> ells	Logs	<u>T</u> ops	<u>F</u> aults	<u>H</u> orizons	Gri <u>d</u> s	<u>C</u> ontours	To
		Proje	Proj ect Ir	German C ject Invent iventory		<u>S</u> un Sele Sun S <u>u</u> n Dat	vey Manag ect Survey vey Subse vey Details a Type Ma	gement. s to Disp t <u>P</u> roper s anageme	 blay ties ent		F	Admin Search Proje	nistrator	▼ ⑦ tory	Me
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Step 2 – Re-link 'Application' and 'Log' folders and 'SEG-Y' folder:

The initial screen in seismic direct shows the paths to the 'application' and 'log' folders. When project is not correctly linked they have a red outline:

🥂 Welcome t	o SeismicDirect	×
To use Seism must be acce	icDirect you must specify the locations for both the application and log files. Th essible to all users of SeismicDirect. If these locations are not specified, the appli	nese locations cation will close.
If the location	n of the shared files or SEG Y directories is on a network, use the full network pa e\directory	th:
Required sha	red files	
Application	H:\Kingdom\GEO61_German Cluster\SeismicDirect	Browse
Log	H:\Kingdom\GEO61_German Cluster\SeismicDirect	Browse
Directories co	ontaining SEG Y files	
H:\Kingdor	n\GEO61 <u>G</u> erman Cluster\PortableSeismicDirectFiles\PortableSegyFiles	Add
Learn more a	bout getting started	View Videos
	OK Cancel	Help

Browse to the correct folder locations. They should be in the Kingdom Project structure, e.g. the 'SeismicDirect' folder in that specific structure.

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To use Seism must be acce	icDirect you must specify the essible to all users of Seismicl	locations for both the application and log rect. If these locations are not specified, th	files. These locations e application will close.
If the location	n of the shared files or SEG Y e\directory	irectories is on a network, use the full netw	vork path:
Required sha	red files		
Application	V:\Kingdom\GEO61_Germa	Cluster\SeismicDirect	Browse
Log	V:\Kingdom\GEO61_Germa	Cluster\SeismicDirect	Browse
Directories co H:\Kingdor	ontaining SEG Y files m\GEO61 <u>G</u> erman Cluster\Po	ableSeismicDirectFiles\PortableSegyFiles	Add
Learn more a	bout getting started		View Videos
🗖 Do not sh	unu again	OK Cape	el Help

Also link to the correct directory containing the SEG-Y files. Click on 'OK' when finished.



Step 3 – Update settings in SeismicDirect

Next, click on the settings wheel in the lower right hand corner of the main SeismicDirect window:

🧶 SeismicDirect	Acce man			
		0×0		
E	xplore	Prepare	Validate	
Visu D temp to k	ualize your SEG Y lata and create lates for attaching Kingdom projects	Define key parameters and relationships to attach to Kingdom projects	Validate positional geometry, and dat type to version relationships	a
(\mathcal{O}			
Attao Da	Attach ch validated SEG Y ata to Kingdom projects			
⋪- 🗹				f 🗟 🗘 🕐
🥂 Settings		0		
Folders SEG	Y Directories Extensio	ns SEG Y Links Templates		
If the location	of the shared files is o	n a network, use the full network pat	h: \\compname\directory	r
Application Fi	les			
Location	V:\Kingdom\GEO6	L_German Cluster\SeismicDirect		Browse
	Backup	Restore Move	Set in Project	
		_		
Logs				
Location	V:\Kingdom\GEO6	L_German Cluster\SeismicDirect		Browse
	Move			
Backup				Browse
	Backup	√iew Backup Files		
		OK	Cancel	Help

The locations of the 'application' and 'log' folders are updated following Step 2. Click on the 'Set in Project' button to save these locations in the Kingdom Project. The following message will appear.





Click 'OK' to proceed to the next step.

Step 4 – Scanning and updating 'SEG-Y' links

Go to the 'SEG-Y links' tab:

💌 Settir	ings	. 0 %
Folders	SEG Y Directories Extension: SEG Y Links Templates	
Selecte	ed surveys:	
	Survey	7
	GE061	
1		Run Scan
	OK Cancel	Help

Click on 'Run Scan'. The next window will show all the SEG-Y file that have missing links:



CNews	Con V File norma	Channel Lauretine	4
Survey Name	Seg Y File name		-
GE061	SBP_M001_01_PRC.sgy	F:\Kingdom\GEO61_German Cluster\PortableSeismicDirectFiles\PortableS	 =
GE061	SBP_M001_02_PRC.sgy	F:\Kingdom\GEO61_German Cluster\PortableSeismicDirectFiles\PortableS	 L
GE061	SBP_M001_03_PRC.sgy	F:\Kingdom\GEO61_German Cluster\PortableSeismicDirectFiles\PortableS	
GE061	SBP_M002A_01_PRC.sgy	$\label{eq:result} F:\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	
GE061	SBP_M002_PRC.sgy	$\label{eq:constraint} F:\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	
GE061	SBP_M003_PRC.sgy	$\label{eq:constraint} F:\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	
GE061	SBP_M004_01_PRC.sgy	$\label{eq:constraint} F:\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	
GE061	SBP_M005_PRC.sgy	$\label{eq:constraint} F:\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	
GE061	SBP_M006A_PRC.sgy	F:\Kingdom\GEO61_German Cluster\PortableSeismicDirectFiles\PortableS	
GE061	SBP_M007_PRC.sgy	F:\Kingdom\GEO61_German Cluster\PortableSeismicDirectFiles\PortableS	
GE061	SBP_M008A_PRC.sgy	F:\Kingdom\GEO61_German Cluster\PortableSeismicDirectFiles\PortableS	
GE061	SBP_M009_PRC.sgy	F:\Kingdom\GEO61_German Cluster\PortableSeismicDirectFiles\PortableS	
GE061	SBP_M010_PRC.sgy	F:\Kingdom\GEO61_German Cluster\PortableSeismicDirectFiles\PortableS	
GE061	SBP_M011_01_PRC.sgy	F:\Kingdom\GEO61_German Cluster\PortableSeismicDirectFiles\PortableS	
GE061	SBP M011 PRC.sqv	F:\Kingdom\GEO61 German Cluster\PortableSeismicDirectFiles\PortableS	۰.

Click on 'browse' and select the correct folder containing the SEG-Y files. The program will assess correctness of the new links. This can take a couple of minutes.

You will get the following message, indicating that all SEG-Y's are successfully relinked:

Specify new direc	tories for the	following m	islinked files at the entire list, group, or individual file level.	
pecify directory	for all files	Browse		
Survey Name	Seg Y File	name	Stored Location	
			All files were successfully relinked	

Click on 'Close' and exit Seismic Direct.

In the Kingdom Suite project environment you should now be able to open a seismic line.