Using the Trace post-association plugin to import RAW IMS data from USB flash drives



7 March 2013

Andries van Zyl

Andries.vanZyl@IMSeismology.org

Document Number: IMS_Postassociation-Advisory-201303-AVZv0

Summary

This document describes how to use the Trace post-associate plugin for importing RAW seismic data into the IMS database.

The process of post-association can be described as follow:

- Install Trace and ensure all software updates have been installed.
- Install the Post-association plugin in Trace.
- Copy all the relevant RAW data to the Processing PC.
- Import RAW data into IMS database using the post-associate plugin.



1. Installing the Post-Association plugin for Trace¹

1. Tools -> Plugins



2. Click on the **Settings** tab and click on **Add**:

Name: IMS Standalone

URL: http://updates.imseismology.org/standalone/updates.xml

Plugins				X
Updates	Available Plug	gins (13/12	2) Downloaded Installed (5/74) Settings	
Configuratio	n of <u>U</u> pdate Ce	nters:		
Active	Name	velopment velopment	Core Suite Update Center External Libraries Update Ce	Edit Remove
	ୟଙ୍କ IMS (Der କିଙ୍କି IMS Col କିଙ୍କି IMS Ext କିଙ୍କି IMS Tra କିଙ୍କି NetBea	🔘 Upd	ate Center Customizer	ml
		IMS Tra NetBea	IMS Standalone Check for updates automatically	
		<u>U</u> RL:	http://updates.imseismology.org/standalone/updates.xml	
			OK Cancel	Add
Automaticall	y Check for Up	dates		
Check Inte	erval: Every St	artup	Ť	Proxy Settings
Advanced -				
Plugin <u>I</u> ns	tall Location:	Default	v	
				<u>C</u> lose <u>H</u> elp

 $^{^{1}}$ Please ensure that you are running the latest version of Trace and all updates have been installed.



3. Click on Available Plugins tab and Search for Standalone. Select all plugins and install.



2. Importing Data for Post-association

1. Copy the recorded data from flash drives to processing machine:

(a) make a directory at a convenient location on the processing machine (the machine running Trace).

(b) copy the **trig** directory (RAW Data on flash drive) from each IMS Station into the directory created in step 1a above; select "Yes to all" if asked to merge files with the same name.



2. Open the Standalone Database Window: *Window -> Standalone Databases*.



3. Right-Click in Standalone window to select the *trig* folder (RAW data location in step 1).

Services	Standalone Databases ×	Please select the standalone 'trig' data on either the attached storag
		Look In: 🚺 data 💽 🕋 📳 👰
	Open Standalone Database	atu 🚱 trig
		Folder Name: Hds_explore/Recorded_data/Post-assoc_data for Tailings Orientation/data/trig Files of Type: All Files
		Open Cancel



4. Right-Click on the imported files and link to your current IMS database.

Services	Databases	Standalone Databases ×			Seisn
▶ 🍯 C:\Us	ers\Andries-PC\[Desktop ¹ eld, politieuw atuffi Close	\Mines\Goldfields_explore\Recorded_	ຄ	9

5. Expand the imported data tree and right click on the target database. Click **Post-Associate** to start the post-association process.

Services	Databases	Standalone Databases ×			Seismo
▼ 🎒 C:\Usi ■ Tar 🎁 Ser	ers\Andries-PC\E get: Test with ne nsor with serial -	Desktop\old_pclLinux stuff\Documents\Mines\Goldfields_explore\Reco etwork id 273 ~273004.151 Post-Associate	orded_	•	@ :

6. Use the Wizard to edit the post-association parameters if necessary (default settings sufficient for post-associating data). Once completed, click *Finish* to start post-associating data. Post-associated data will now be visible in the linked IMS database. You may need to refresh the database by right-clicking on the database and selecting "Refresh", or closing and re-opening the database.

Standalone Data Association		
Steps	Time Range	
 Welcome Associator Settings Time Range 	What time range of data should be queried? Start Time 1/01/70 9:00 AM T End Time 8/03/13 12:17 PM T	
	<back next=""> Einish Cancel Help</back>	

