Simultaneous Source Acquisition Design Wizard – SimWiz

Release Notes (v1.2)

Installation

SimWiz – Python wizard for generating the SIPMAP/Jobpro skeletons necessary to run the acquisition design workflow.

- Download the latest version from github (Releases · cwillacy/SimWiz · GitHub)
  - On Linux
    - In the installation directory run the script ./RUNME_LINUX.sh.
    - This will use a private version of Anaconda so no need to install it.
  - On Windows:
    - Make sure you have an installation of Anaconda on your pc (Anaconda | The World's Most Popular Data Science Platform)
    - Run Spyder and open and execute the script awiz.py from the SimWiz installation directory.

AWLIB - Slang module library used by SimWiz for Jobpro skeleton execution

- This library is already pre-installed in Houston at /glb/am/siep_inc/seis/sgs_jpprojects_1/sitebpss/acqlib.

Compatibility

Version 1.2 is compatible with the previous version (v1.1.1).

Change List

General

1. Some cosmetic changes have been made to the interface. The sidebar workflow buttons have been renamed in some cases for clarity. The functionality remains the same.
2. The deblending option has been removed altogether. This option was a prototype feature and has not been maintained, therefore it is not in sync with the latest Shell workflows. A deblending wizard can be generated if there is sufficient interest.
3. This version of simwiz has been ported to Jobpro and maybe found it the bpss site, accessible under “Simultaneous Source Acquisition Design” via the Wizard button in Jobpro.

Known Features

- Behaviour of job building progress. When build jobs during stage 9 of the workflow, the progress indicator provides only an approximate indication of the work completion. The functionality will be improved in a future version.
- Under Linux, the permissions on the RUNME_LINUX.sh script may not be set correctly. Either use chmod to change this or run the starting python script separately e.g., /glb/data/ict1/users/uscwib/anaconda3/bin/python3 awiz.py.
- Acquisition source points with the same x, y, z coordinates will not be correctly recognized.
- Virtual disk cache is not currently supported.

Contacts

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