Matlab Parallel Cluster

This documentation should help you to configure the SCITAS clusters as parallel cluster in your local installation of MATLAB.

This should work with MATLAB >= 2019b.

So first install MATLAB 2019b from distrilog (or by following this link). You will need to install two addons:

- Parallel Computing Toolbox
- Parallel Computing Toolbox plugin for MATLAB Parallel Server with Slurm

Once this is installed in the "Parallel" > "Create and Manage Clusters..." dialog window, import the configurations SCITAS cluster: fidis (R2019b).mlsettings
SCITAS cluster: helvetios (R2019b).mlsettings

Correct the location of the plugin installation to reflect your setup : PluginScriptsLocation ($INSTALL_DIR/MATLAB/SupportPackages/R2019b/parallel/slurm/nonshared)

Test your installation with the "Validate" button (the "parpool" test might fail if you don't have a static IP)