

CHECKING

Python version — 3.8+

Python virtual environment `venv`

Environment variables

```

PATH /cgse/bin:$PATH
PYTHONPATH /cgse/lib/python
PLATO_LOCAL_SETTINGS /cgse/local_settings.yaml
PLATO_DATA_STORAGE_LOCATION /data/{SITE}
PLATO_CONF_DATA_LOCATION /data/{SITE}/conf
PLATO_LOG_FILE_LOCATION /data/{SITE}/log

```

CONFIGURATION

Check the settings `python -m egse.settings [--local]`

SITE ID `edit $PLATO_LOCAL_SETTINGS`

List the available Setups `cm_cs list-setups`

OS info `python -m egse.system`

SETUP

Check the current Setup `python -m egse.setup [--use-cm]`

List the available Setups `cm_cs list-setups`

Load a Setup `cm_cs load-setup <setup_id>`

UPDATE

Use the following commands from the Project folder

DEVELOPMENT MODE

Pull changes from upstream `git pull upstream develop`

Install `python setup.py clean --all`
`python setup.py develop`

OPERATIONAL MODE

(e.g. release-tag: 2024.3)

Pull changes from upstream `git fetch upstream`
`git checkout tags/{release_tag} -b {release_tag}-branch`

Install `python setup.py clean --all`
`python setup.py install --home=/cgse`

CORE SERVICES

Running the core services `invoke status-core-egse`
`invoke start-core-egse`
`invoke stop-core-egse`

Configuration Manager	<code>cm_cs status</code>
Storage Manager	<code>sm_cs status</code>
Process Manager	<code>pm_cs status</code>
Log Manager	<code>log_cs status</code>

DEVICE CONTROL

Start control servers in simulator mode `--simulator`

AEU Test EGSE	<code>aeu_cs start stop</code>
TCS EGSE	<code>tcs_cs start stop</code>
PUNA Hexapod	<code>puna_cs start stop</code>
ZONDA Hexapod	<code>zonda_cs start stop</code>
HUBER Stages	<code>smc9300_cs start stop</code>

GUIs

CORE SERVICES

Configuration Manager GUI	<code>cm_ui</code>
Process Manager GUI	<code>pm_ui</code>
Setup GUI	<code>setup_ui</code>

DEVICE GUIs

* Option to select device type `--type proxy|simulator|direct`

AEU Test EGSE	<code>aeu_ui</code>
TCS EGSE	<code>tcs_ui</code>
PUNA Hexapod*	<code>puna_ui</code>
ZONDA Hexapod*	<code>zonda_ui</code>
HUBER Stages*	<code>smc9300_ui</code>
Filter Wheel 8SMC4*	<code>fw8smc4_ui</code>
Shutter KSC101*	<code>ksc101_ui</code>
Power Meter PM100A*	<code>pm100a_ui</code>
LakeShore Model 336*	<code>lsci336_ui</code>

OTHER GUIs

HDF5 GUI (N-FEE)	<code>hdf5_ui {{filename}}</code>
Source Position GUI	<code>fpa_ui</code>
Visited Positions GUI	<code>vis_pos_ui</code>



use only when working isolated on your local machine

Most commands have a `--help` option.
`{var}` means to change this block with the value of var.