Sparkle user guide

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1 Quick start

Follow these steps:

?? Install Sparkle

?? Prepare your configuration environment

?? Execute commands

1.1 Installing Sparkle

1. Copy the Sparkle files to your desired directory

2. Install Python 3.5 (other 3.x versions may work, but were not tested with the packages included in the `requirements.txt` file.

3. Install Swig 3.0 – With Anaconda: `conda install swig=3.0`

4. Install `requirements.txt`: `pip install -r requirements.txt` – With Anaconda: `/home/<username>/<anaconda_dir>/envs/<env_name>/bin/pip install -r requirements.txt`

5. Install `epstopdf` as described in Section ??

1.2 Configuration

Configuring an algorithm has the following minimal requirements for the algorithm (for an example of a solver directory see Section ??):

?? Make the solver executable work on Grace

?? An algorithm wrapper called `sprakle_smac_wrapper.py`

?? A PCS (parameter configuration space) file

- The runsolver binary (e.g. from `Examples/Resources/Solvers/PbO-CCSAT-Generic/`)