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Local installation

1. **Install Anaconda**: Visit the Anaconda website and download the appropriate installer for your operating system. Follow the installation instructions to install Anaconda on your system.

2. **Open a terminal and Clone the watershed-workflow repository**:
   ```
   git clone https://github.com/environmental-modeling-workflows/watershed-workflow
   ```

3. **Navigate to the downloaded watershed-workflow folder**:
   ```
   cd watershed-workflow
   ```

4. **Create the conda environment**:
   ```
   conda env create -f environments/environment-OSX.yml
   ```

5. **Activate the conda environment**:
   ```
   conda activate watershed_workflow
   ```
In my case the environment name is: watershed_workflow-2022-08-29

6. **Install the watershed-workflow package**:
   ```
   python3 -m pip install -e .
   ```

7. **Run pytest**:
   ```
   pytest watershed_workflow/test
   ```

8. **Install JupyterLab**:
   ```
   conda install jupyterlab
   ```

9. **Launch JupyterLab**:
   ```
   jupyter lab
   ```

10. **Create a new notebook**: In JupyterLab, click on the "+" button in the left sidebar and choose "Notebook" to create a new notebook.

Tada you should be able to run the watershed_workflow!

Install ExodusII

1. Clone the Exodus repository:
```
git clone https://github.com/sandialabs/seacas.git
```

2. Install required dependencies:
```
brew install wget
brew install automake
```

3. Run the installation script for third-party libraries:
```
cd seacas
./install-tpl.sh
```

4. Create a build directory and navigate into it:
```
mkdir build
cd build
```

5. Configure the build using CMake, disabling X11:
```
../cmake-config -DTPL_ENABLE_X11=OFF
```

6. Build and install the software:
```
make && make install
```

7. Go back to the seacas folder:
```
cd ..
```

8. Set the PYTHONPATH environment variable to include the 'lib' folder:
```
export PYTHONPATH=/Users/lwang/Desktop/seacas/lib
```

9. Test if the installation was successful by running the following command:
```
python -c 'import exodus3; print("SUCCESS")'
```

10. Return to your watershed_workflow folder and open a new terminal.
11. Activate the watershed_workflow-2022-08-29 conda environment:
```
conda activate watershed_workflow-2022-08-29
```

12. Set the PYTHONPATH environment variable to include the 'lib' folder:
```
export PYTHONPATH=/Users/lwang/Desktop/seacas/lib
```

13. Launch Jupyter Lab:
```
jupyter lab
```