

4. Create dummy templates for each level of yaml and adjust the cubershake install wrapper

Background:

New Cybershake install structure (realization/[HF|LF|BB]) with yaml only and params*.py removed (params_vel.py.template and params.py.template still present because they are not generated by install) now available.

Parameter Folder Structure: [Parameters and locations in new folder hierarchy](#)

Tasks:

1. ~~Clean up the manual workflow and testing code.~~ 1d
2. Then merge params branch into master and do benchmark testing 6h
3. ~~Create dummy templates for each level of yaml~~ 6h
4. ~~Discuss dummy templates with team~~ 2h
5. ~~Create functionalities to retrieve dummy templates by user specified version~~ 4h
6. Benchmark testing 4h
7. ~~merge Jonney's folder restruct into params branch~~ 3h
8. ~~Modify params branch according to pull request comments~~ 6h
9. ~~Store location of parent yaml config in child config~~ 1d
10. Benchmark testing 4h

Progress:

1-9 all done. Currently only find defaults in root_params.yaml

Sample dummy template:

slurm_gm_workflow/templates/gmsim/16.1/root_defaults.yaml

```
hf:
  hf_dt: 0.005
  hf_rvfac: 0.8
  hf_sdrop: 50
  hf_path_dur: 1
  hf_kappa: 0.045
bb:
  site_specific: false
  fmin: 0.2
  fmidbot: 0.5
flo: 0.25
```

How to run the manual install:

```
python ~/slurm_gm_workflow/scripts/install.py --user_root ~/Albury_new_bench/ --srf_dir ~/Albury_new_bench/Data
/Sources/ --vm_dir ~/Albury_new_bench/Data/VMs/ --version 16.1
python ~/slurm_gm_workflow/scripts/submit_emod3d.py --srf Albury_HYP15-21_S1384
python ~/slurm_gm_workflow/scripts/submit_post_emod3d.py --srf Albury_HYP15-21_S1384 --merge_ts
python ~/slurm_gm_workflow/scripts/install_bb.py
python ~/slurm_gm_workflow/scripts/submit_hf.py --binary --srf Albury_HYP15-21_S1384 --rand_resetsrf
python ~/slurm_gm_workflow/scripts/submit_bb.py --binary
```

Testing results for manual install

Benchmark: v18p6 Albury-HYP15-1384 run with original master manual install

Test's e3ds in LF/Outbin are the same benchmark's.

Test's BB/HF.bin are the same benchmark's.

Adjust the cybershake install wrapper

Now we have finished the inner layer of cybershake manual install functionalities, we can move onto adjusting the outer layer install wrapper to utilize the yaml feature.

Main scripts being changed are: `install_cybershake.py` and `auto_submit.py`

Tasks:

1. ~~remove usage of `params*.py` from `install_cybershake.py` 1d~~
2. ~~remove usage of `params*.py` from `auto_submit.py` 1d~~
3. ~~Benchmark Test 4h~~

Clean up the cybershake Submission

[Files to tar or keep at the end of cybershake submission](#)

Todo

Passing 'version' from cybershake config instead of command line argument

Move `install_bb` to install stage, before `submit_emod3d`