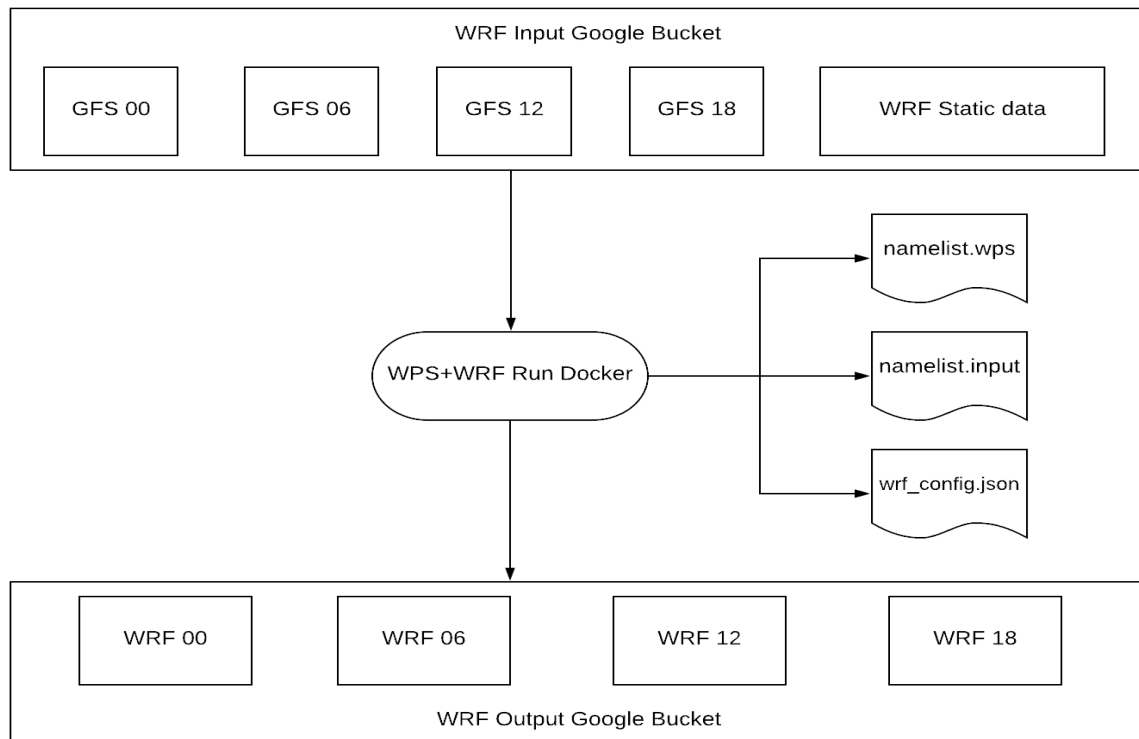


New WRF run plan using Docker

Implementation plan for WRF



Input google bucket and output google bucket can be the same.

namelist.wps, namelist.input and wrf_config.json(GFS data download URL will be defined here) template files will be updated according to the wrf model run at a particular time (GFS data hour and WRF model-A,C,E,SE).

We can keep them templates in input bucket and updated templates in output bucket.

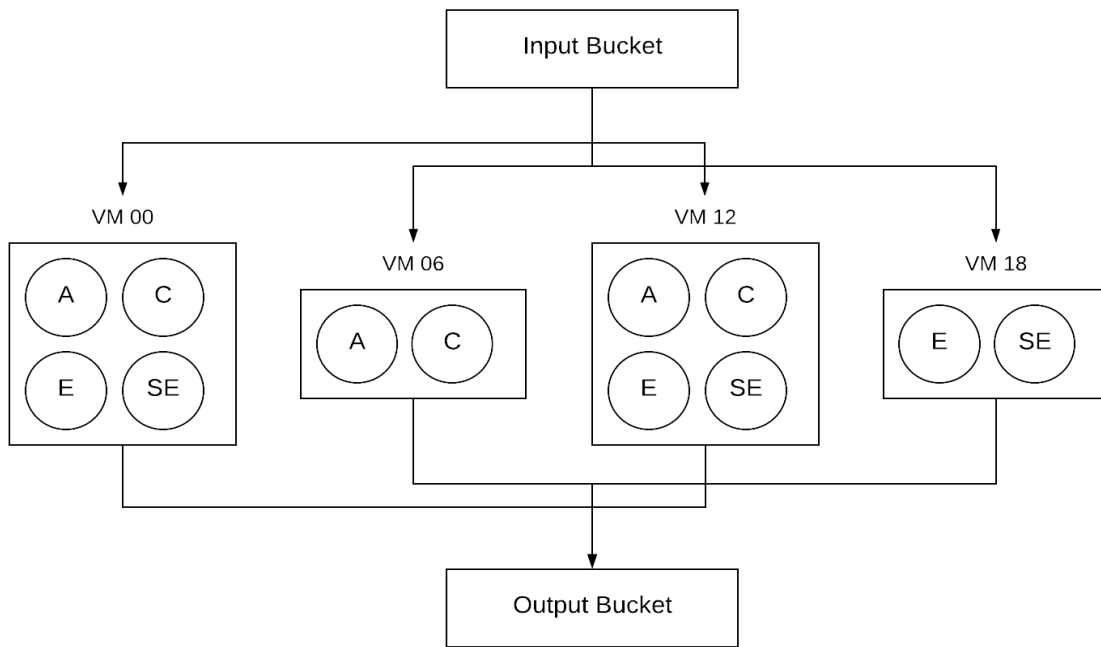
Example for input/output directory paths,

Input - /mnt/disks/<bucket name>/<GFS data hour>/<Date>/

Output - /mnt/disks/<bucket name>/<wrf version>/<GFS data hour>/<WRF model>/<Date>

VM allocation plan

On VM 00, VM 06, VM 12 and VM 18 we should install Docker so we can run docker images on each vm. According to the resources availability in each vm we can run any number of Docker images parallely.(Above model allocation for VMs is an example)



WRF run manager

