HWRF Repository Structure

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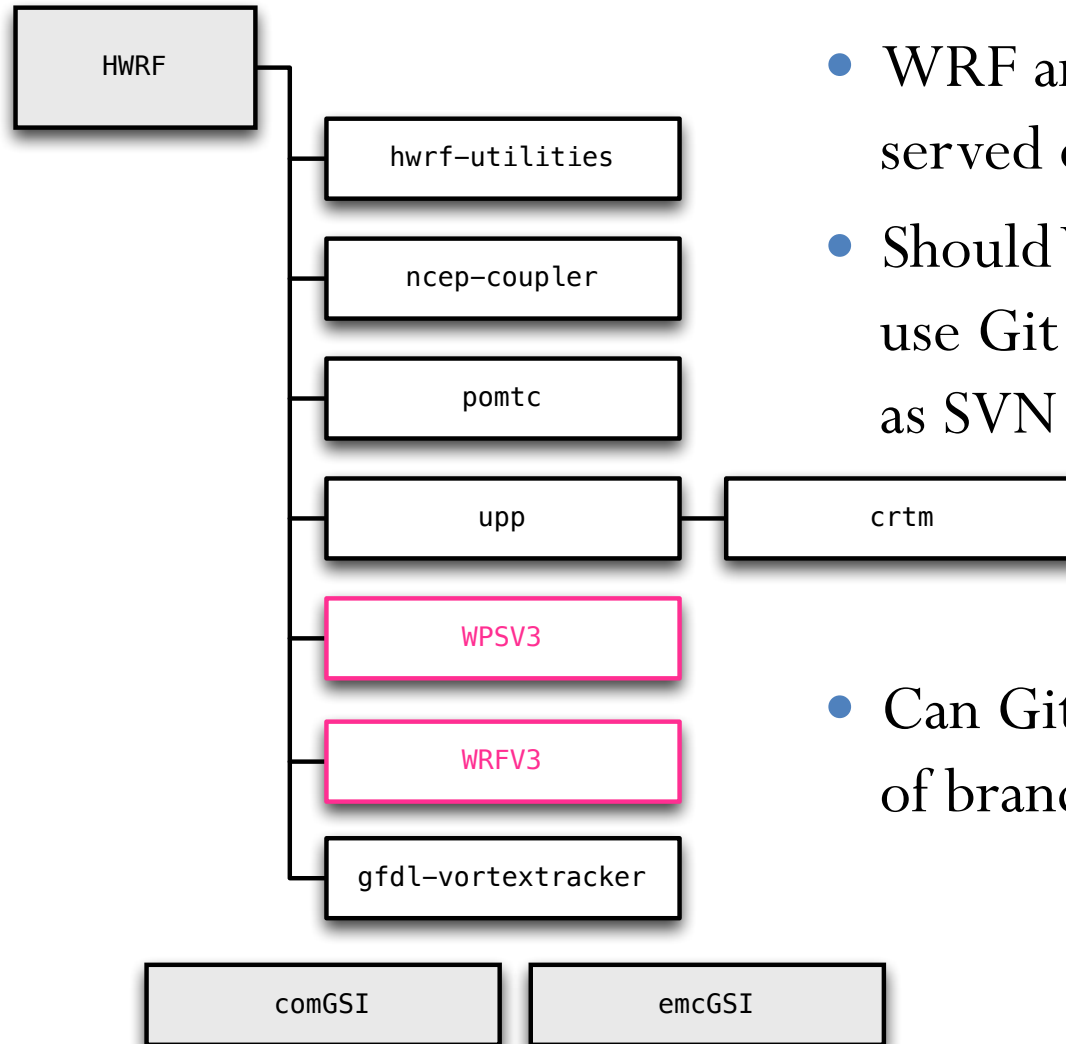
CISL Git Training

Current HWRF Repo Structure

```
HWRF
 ├── hwrf-utilities
 ├── ncep-coupler
 ├── pomtc
 ├── upp ──── crtm
 ├── WPSV3
 ├── WRFV3
 └── gfdl-vortextracker

comGSI          emcGSI
```
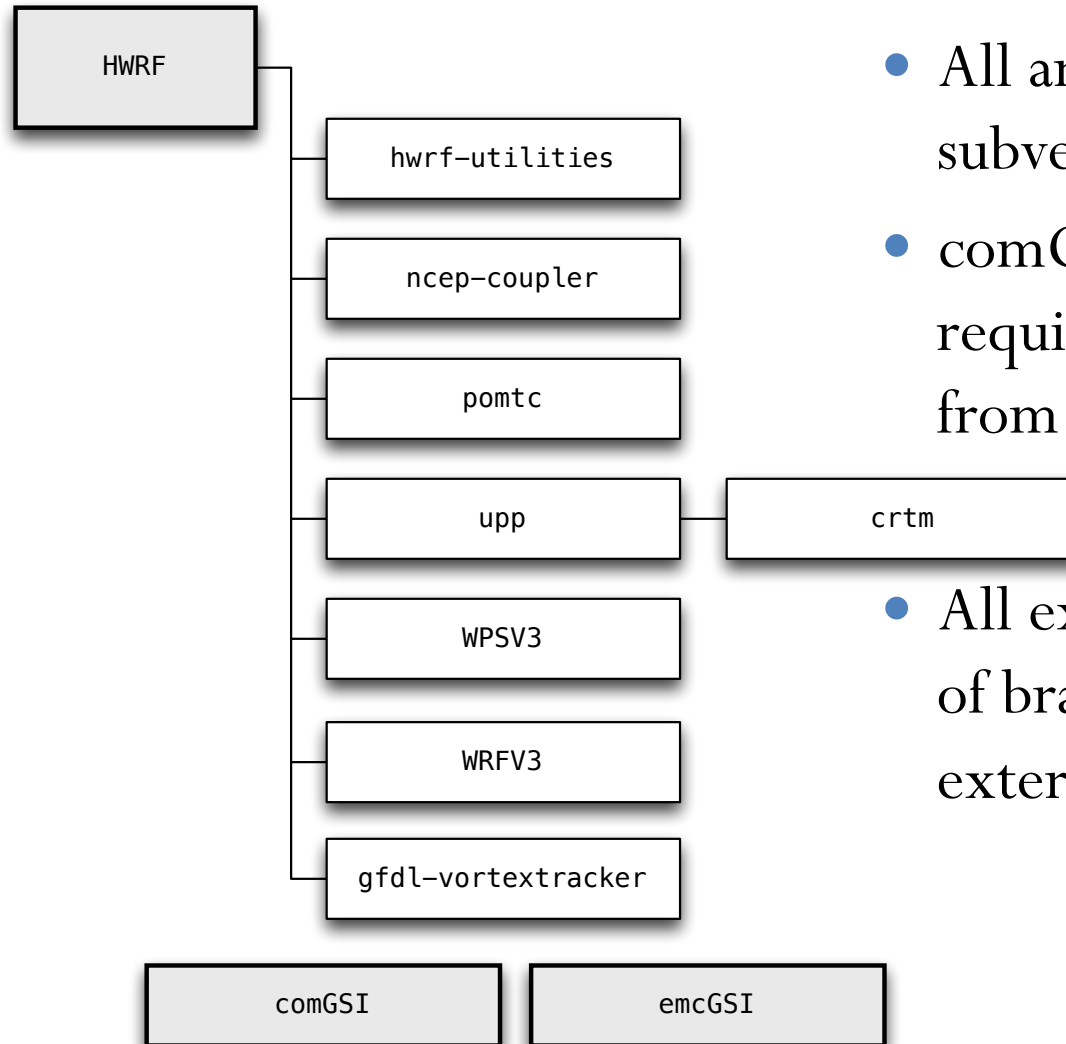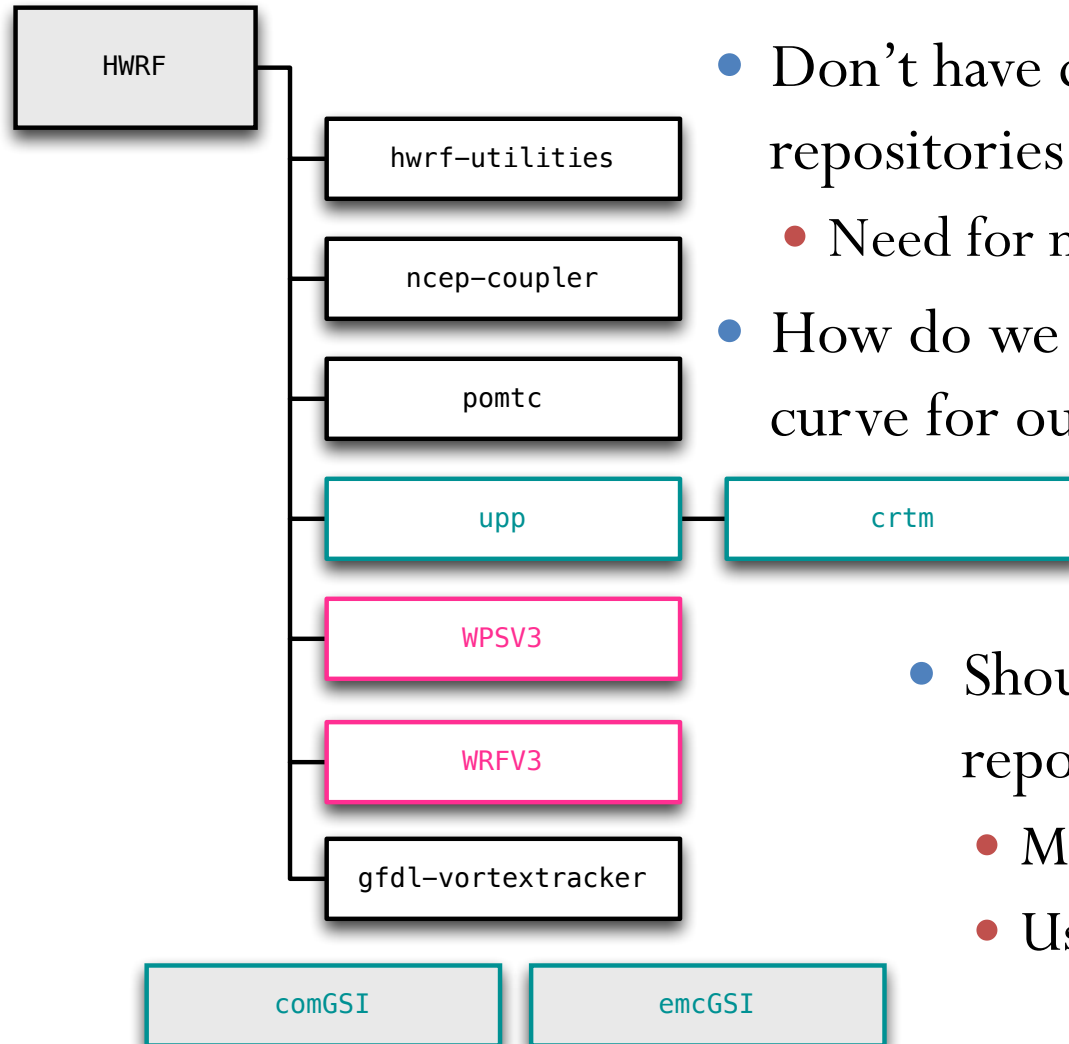
- All are separate subversion repositories
- comGSI and emcGSI require separate accounts from the others

- All externals point to top of branches/HWRF in external repos

Near future HWRF Repo Structure

```
HWRF
 ├── hwrf-utilities
 ├── ncep-coupler
 ├── pomtc
 ├── upp ──── crtm
 ├── WPSV3
 ├── WRFV3
 └── gfdl-vortextracker

comGSI    emcGSI
```

- WRF and WPS will move to git served on GitHub
- Should WRF/WPS developers use Git and keep everything else as SVN repos?

- Can Git externals point to top of branch?

Considerations for mixed externals

```
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 ├── hwrf-utilities
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comGSI        emcGSI
```

- Don't have control over some SVN repositories
  - Need for mixed svn and git externals
- How do we reduce the learning curve for our ~100 developers?

- Should HWRF be a Git repository?
  - Mirror SVN repos in Git?
  - Use modules?

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