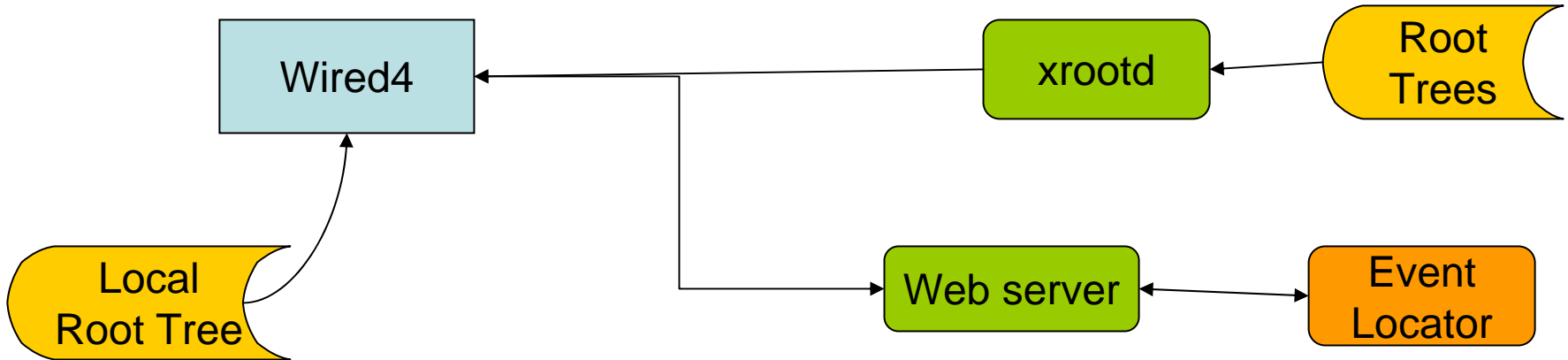# Event Display/Wired plans for DC2
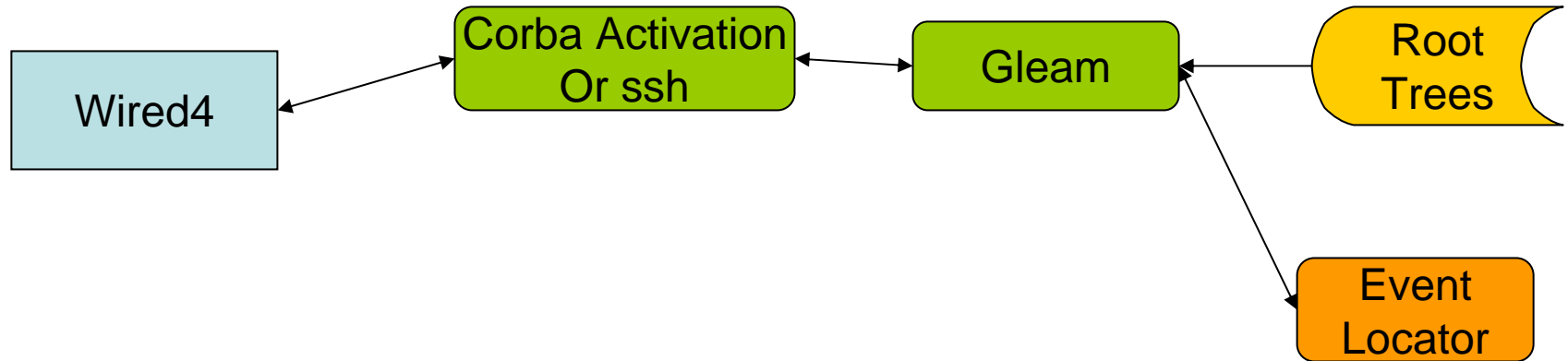
Current Capability

Mode 1

- Pros
  - Can be used to access local or remote files
  - Event locator service cleanly separated
  - Should be fast
  - Same technology could be used for other event access in JAS/Wired
- Cons
  - Wired4 plugin needed to convert root -> HepRep
    - Duplicates some code (20 classes?) in Gleam
    - Need to make sure Java Root reader can read trees (especially STL)
  - Not Fred compatible

Mode 2

```
Wired4  →  Corba Activation Or ssh  ←→  Gleam  ←  Root Trees
                                            ↘
                                          Event Locator
```

- Pros
  - Event locator can (perhaps) share peeler macros
  - Should be Fred compatible
  - Makes use of mostly existing facilities
- Cons
  - Can access local files only by running local gleam server
  - Gleam startup time required once for each remote session
  - May run into limitations in Gleam