

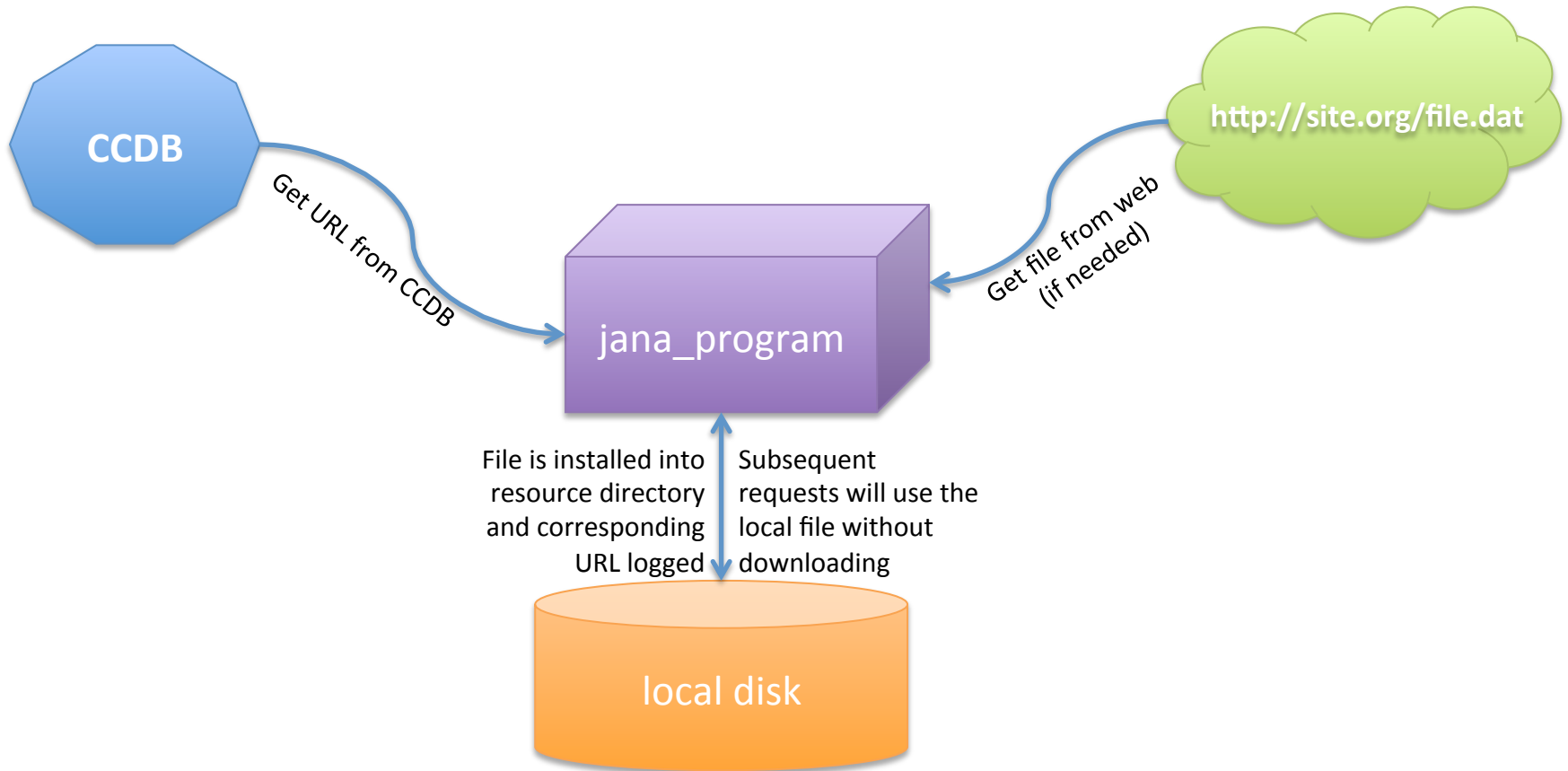
Resources in JANA

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Resources

- A “resource” here is a file needed by reconstruction that doesn’t fit well into the CCDB model (generally because the file is too large)
 - e.g. Magnetic Field Map
- Resources should be available on the WWW
- CCDB is used to manage location (URL) of resource
- Resource manager should minimize the number of copies on the local disk (hopefully only 1!)



Local Resource Storage

The location of resources on the local file system is determined by a hierarchy of options:

1. Passed as second argument to the constructor
2. Specified in JANA:RESOURCE_DIR configuration parameter
3. Specified in JANA_RESOURCE_DIR environment variable
4. Use HALLD_MY environment variable + "resources"
5. Create a user directory in /tmp called "resources"

Resources log file

- The “resources” file is kept at the top-level of the resources directory.
- It is a simple key/value format with the URL and the path to the resource file relative to the top-level of the resources directory
- This makes the resources directory relocatable

```
#  
# JANA resources file Auto-generated DO NOT EDIT  
#  
# Wed Nov 14 11:55:31 2012  
#  
#% URL namepath  
https://halldsvn.jlab.org/repos/tags/calib-2011-07-31/Magnets/Solenoid/solenoid_1500_poisson_20090814_01 test/fieldmap
```

Resource files existing at a specific URL cannot be modified in order to maintain integrity of the system

Modifications must be renamed to provide a unique URL