



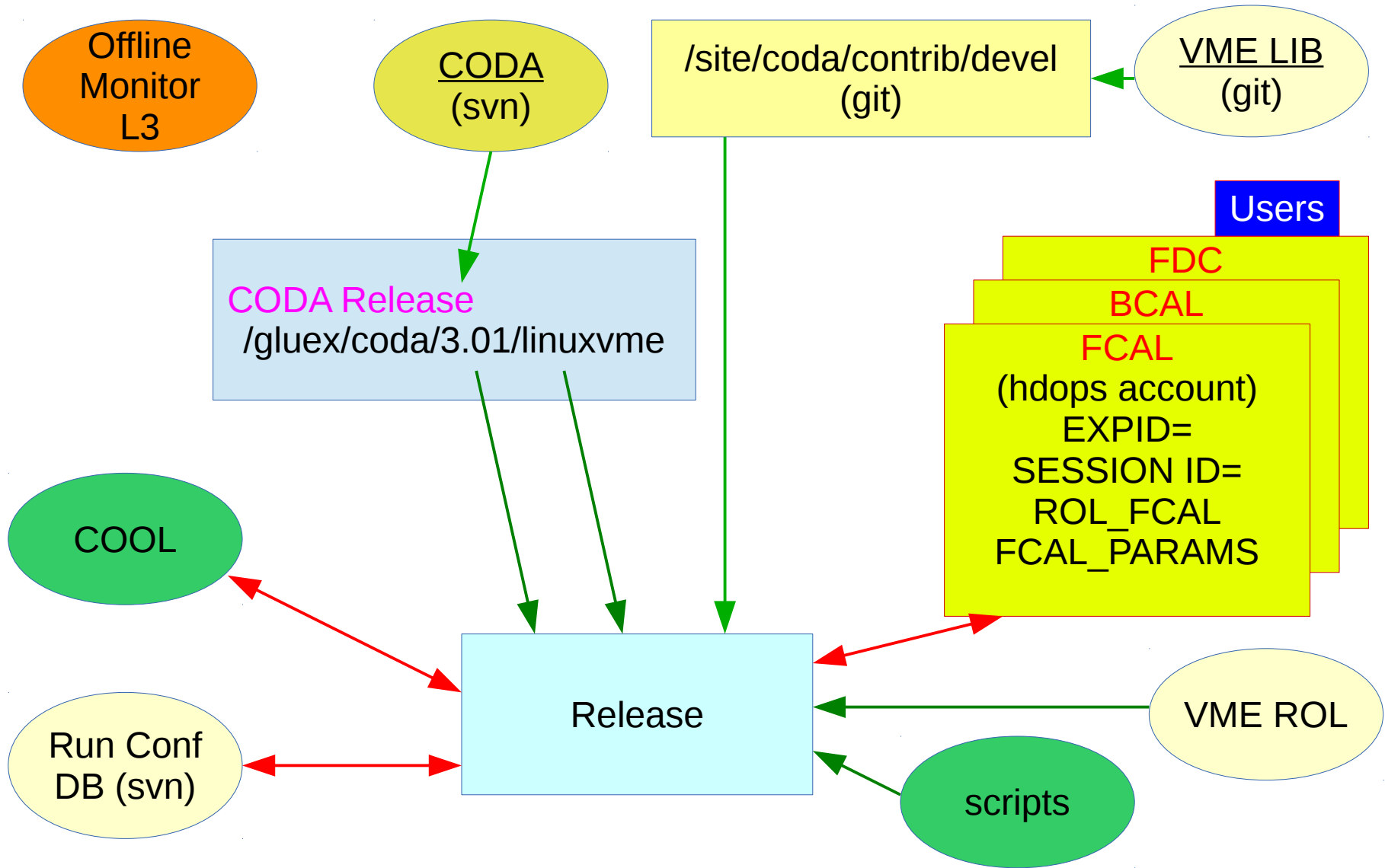
# Online DAQ software

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online meeting  
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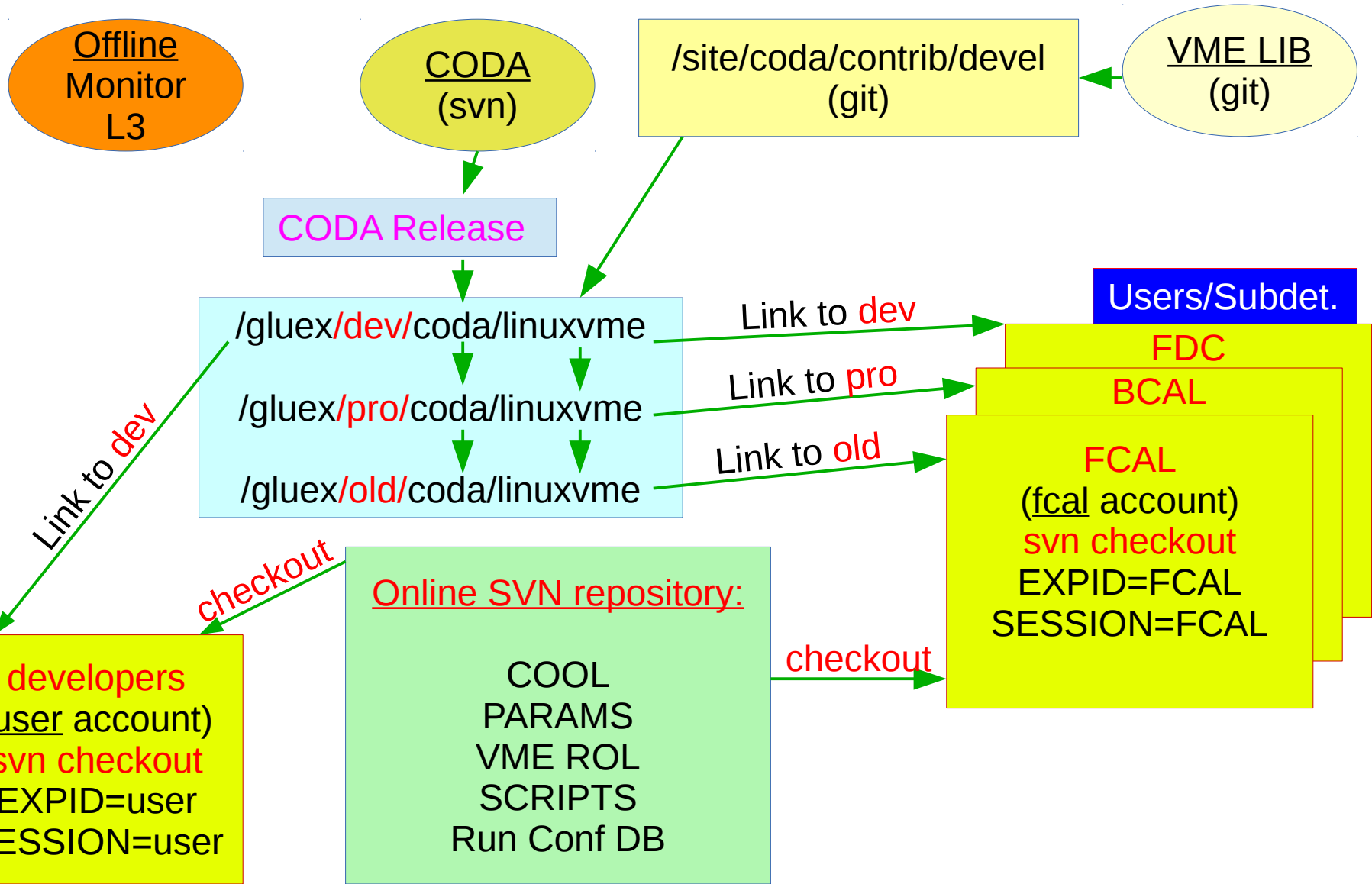
# Introduction

- Work packages used for online DAQ system:
  - Firmware for HW
  - VME library
  - CODA
  - Subsystems/detector software (ROL)
  - Run Config. DB
  - DAQ monitoring
  - DAQ scripts
- Expected DAQ functionality
  - Independent run in parallel many sub-detectors
    - *test, calibration, ...*
  - Common run with several/all subsystems included
    - *cosmic run, test trigger synchronization, ...*
  - Provide tools for version control and synchronization with all work packages

# Online work packages (current structure)



# Online work packages (new structure)



# Online SVN repository structure

```
-- svn
|-- cool
|   |-- gluex
|
|-- etc
|   |-- hdonline.cshrc
|   |-- online_setup.cshrc
|   |-- setups/
|
|-- parms
|   |-- bcal/
|   |-- cdc/
|   |-- fcal/
|   |-- fdc/
|-- runconf_db
|-- scripts/
|-- templ
|   |-- controlSessions.xml
|   |-- gluex_rtv.xml
|   |-- setup.xml
|
|-- vme
|   |-- lib
|   |-- src
|       |-- rol_1
|       |-- rol_2
|       |-- rol_bcal
|       |-- rol_cdc
|       |-- rol_fcal
|       |-- rol_fdc
```

## How to install a local copy

1. execute script on any gluonXX computer:  
`/gluex/pro/init_online.sh`
2. follow the prompts after running the script:  
`cd daq_pro_vers/work`
3. set DAQ environment variables  
`source online_setup.cshrc`
4. use `setups.sh` to start/stop DAQ processes:

```
setups.sh -h           # help
setups.sh -l           # list setups
setups.sh -s bcal_n6   # start
setups.sh -s bcal_n6 -exit # stop
```

# Summary

- First version is ready for tests
  - *also there still some issues with version synchronization / management*