

Debugging DQM ingestion scripts

General information

Location of the scripts: `/sdf/group/fermi/a/ground/dataQualityMonitoring/`

Scripts to be tested: `dev/bin/ingestTrendingFile` and `dev/bin/ingestRunFile`

Temp area for testing: `/sdf/group/fermi/ground/PipelineConfig/L1Proc/IngestTestArea`

Testing environment

```
cd /sdf/group/fermi/ground/PipelineConfig/L1Proc/IngestTestArea
./start_rhel6           #load the container and its bind mounts
export JAVA_HOME=/sdf/group/fermi/software/java/jdk/jdk8.0
/sdf/group/fermi/a/ground/dataQualityMonitoring/dev/bin/ingestTrendingFile r0682587162_v001_digiTrend.root
Prompt dev Digi 15secs
```

Debugging round 1 13 Mar 2024

All ingestion jobs are failing with this error: `ingestRunFile: line 2: /u/gl/glast/oracle/bin/setup.sh: No such file or directory`

Solution/workaround: all ingest files were upgraded by Max to use `~glast/a/oracle/bin/setup.sh` at setup time.

Debugging round 2 14 Mar 2024

The worker nodes don't seem to be resolving `~glast/a/oracle/bin/setup.sh` **correctly (or possibly have access to it).**

Solution/workaround (suggested by Richard): the ingest files in DEV were updated to source `/sdf/home/glast/a/oracle/bin/setup.sh`

Debugging round 3 14 Mar 2024

The pipeline env is setting `JAVA_HOME=/sdf/group/fermi/software/java/jdk/jdk8.0` **but the correct path is** `/sdf/group/fermi/sw`

Workaround (suggested by Richard): create a temporary symlink to `/sdf/group/fermi/software` for testing purposes only. **Remember to remove!!!**

Debugging round 4 15 Mar 2024

The oracle setup script does: `export TNS_ADMIN=~glast/a/oracle/admin/` but the path won't expand correctly on worker nodes/containers

Solution (implemented by MEM): edit the setup script expanding the path: `export TNS_ADMIN=/sdf/home/g/glast/a/oracle/admin/`