

# 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/`