

## Extracting logs from a run to a text file

You would like to follow this procedure if you want to inject a particular run to a replay

- Go to the TransferSystem folder:

```
ssh vocms001
cd /data/TransferSystem
```

- Execute the following command to filter the logs of a particular run, replacing the fields <RunNumber> for the desired run. Be careful with the quotes in the template:

```
cat Logs/General.log* | grep "'Tier0Inject' => '1'" | grep "'RUNNUMBER' => '<RunNumber>'"
```

An example command would be:

```
cat Logs/General.log* | grep "'Tier0Inject' => '1'" | grep "'RUNNUMBER' => '270271'" > Run
```

The file created (Run270271.txt in the example) will contain the desired logs.

- You can check the file content to be sure that you get what you need. It should be contain several lines like this:

```
Tue Apr 19 11:55:52 2016: { 'Tier0Inject' => '1', 'APP_NAME' => 'CMSSW', 'APP_VERSION' =>
'HLTKEY' => '/cdaq/special/QuietBeams/v1.0.2/HLT/V1', 'NEVENTS' => '2205', 'RUNNUMBER' =>
'PFN' => '/eos/cms/store/t0streamer/Data/Calibration/000/270/271/run270271_ls0001_streamC
'TYPE' => 'streamer', 'START_TIME' => '1461059709', 'FILESIZE' => '2880293', 'STOP_TIME' :
/store/t0streamer/Data/Calibration/000/270/271/run270271_ls0001_streamCalibration_Storage
```

Every line is a log transferred transferred to the Tier-0 and it contains the necessary information to configure the processing there.

## Checking progress of couch replication

Sometimes replication from local to remote couch may take a while. This replication is typically fired when the agent is restarted. To check the status of the replication you can run the following command **within the agent**

```
curl http://admin:couch@localhost:5984/_active_tasks
```

It will produce an output like the following

```
[{"pid": "0.659.0>",
"checkpoint_interval": 5000, "checkpointed_source_seq": 0,
"continuous": true,
"doc_id": "e7d11e5fcfac12f56ece6c3a5ee9fb92",
"doc_write_failures": 0,
"docs_read": 0,
"docs_written": 0,
"missing_revisions_found": 0,
"progress": 18,
"replication_id": "bea298d8e259d8d36f3c48733f99a30d+continuous",
"revisions_checked": 86022,
"source": "http://admin:****@localhost:5984/wmagent_summary/",
"source_seq": 52445521,
"started_on": 1461232055,
"target": "https://cmsweb.cern.ch/couchdb/tier0_wmstats/",
"type": "replication",
"updated_on": 1461246250},
{"pid": "0.719.0>",
"checkpoint_interval": 5000,
```

```
"checkpointed_source_seq":0,  
"continuous":true,  
"doc_id":"e7d11e5fcfac12f56ece6c3a5eec239c",  
"doc_write_failures":0,  
"docs_read":5449,  
"docs_written":5449,  
"missing_revisions_found":5449,  
"progress":99,  
"replication_id":"53340fc64dc8c5e23eece5443305a734+continuous",  
"revisions_checked":13238,  
"source":"http://admin:*****@localhost:5984/t0_request_local/",  
"source_seq":1002338,  
"started_on":1461232056,  
"target":"https://cmsweb.cern.ch/couchdb/t0_request/",  
"type":"replication",  
"updated_on":1461246241}]
```

-- JohnHarveyCasallasLeon - 2016-04-19

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This topic: [Sandbox > Tier0Procedures](#)

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