

dirac-production-file-summary

To check the status of files for a given production the productionID must be specified, below shows the optional arguments:

dirac-production-file-summary --help

```
2008-09-08 15:15:21 UTC Framework INFO: Usage:
2008-09-08 15:15:21 UTC Framework INFO: scripts/dirac-production-file-summary (<options>|<cfgFil
2008-09-08 15:15:21 UTC Framework INFO: Options:
2008-09-08 15:15:21 UTC Framework INFO: -o: --option= : Option=value to add
2008-09-08 15:15:21 UTC Framework INFO: -s: --section= : Set base section for relative parsed
2008-09-08 15:15:21 UTC Framework INFO: -c: --cert= : Use server certificate to connect to Co
2008-09-08 15:15:21 UTC Framework INFO: -h --help : Shows this help
2008-09-08 15:15:21 UTC Framework INFO: - --Status= : ProductionDB file status to select
2008-09-08 15:15:21 UTC Framework INFO: - --OutputFile= : Output file to store file records
2008-09-08 15:15:21 UTC Framework INFO: - --Summary= : Print a summary of the files (True/Fal
2008-09-08 15:15:21 UTC Framework INFO: - --PrintOutput= : Print all file records (extremely
```

Some examples:

dirac-production-file-summary 3030

Summary for 3681 files in production 3030

Status	Total	Percentage
Assigned	3134	85 %
Processed	433	11 %
MissingLFC	114	3 %

dirac-production-file-summary 3030 --Status=MissingLFC

Summary for 3681 files in production 3030

Status	Total	Percentage
Assigned	3134	85 %
Processed	433	11 %
MissingLFC	114	3 %

114 / 3681 files (3 percent) were found for production 3030 in status "MissingLFC"

The real output can optionally be piped to a specified file:

dirac-production-file-summary 3030 --Status=MissingLFC --OutputFile=lfc.txt

Summary for 3681 files in production 3030

Status	Total	Percentage
Assigned	3134	85 %
Processed	433	11 %
MissingLFC	114	3 %

114 / 3681 files (3 percent) were found for production 3030 in status "MissingLFC"
Wrote 114 lines to file lfc.txt for status "MissingLFC"

More verbose output is also available:

dirac-production-file-summary 3029 --Summary=False --PrintOutput=True

```
Status = Processed      LFN = /lhcb/production/DC06/phys-v4-lumi5/00001897/RDST/0000/00001897_00000
Status = Assigned      LFN = /lhcb/production/DC06/phys-v4-lumi5/00001897/RDST/0000/00001897_00001
Status = Assigned      LFN = /lhcb/production/DC06/phys-v4-lumi5/00001897/RDST/0000/00001897_00003
Status = Assigned      LFN = /lhcb/production/DC06/phys-v4-lumi5/00001897/RDST/0000/00001897_00003
Status = Assigned      LFN = /lhcb/production/DC06/phys-v4-lumi5/00001897/RDST/0000/00001897_00002
Status = Assigned      LFN = /lhcb/production/DC06/phys-v4-lumi5/00001897/RDST/0000/00001897_00003
Status = Assigned      LFN = /lhcb/production/DC06/phys-v4-lumi5/00001897/RDST/0000/00001897_00003
...
```

dirac-production-file-status

To obtain the status of a single file (optionally for a specified productionID).

dirac-production-file-status --help

```
2008-09-08 15:28:54 UTC Framework INFO: Usage:
2008-09-08 15:28:54 UTC Framework INFO: scripts/dirac-production-file-status (<options>|<cfgFile
2008-09-08 15:28:54 UTC Framework INFO: Options:
2008-09-08 15:28:54 UTC Framework INFO: -o: --option= : Option=value to add
2008-09-08 15:28:54 UTC Framework INFO: -s: --section= : Set base section for relative parsed
2008-09-08 15:28:54 UTC Framework INFO: -c: --cert= : Use server certificate to connect to Co
2008-09-08 15:28:54 UTC Framework INFO: -h --help : Shows this help
2008-09-08 15:28:54 UTC Framework INFO: - --ProductionID= : Restrict query to given productio
```

dirac-production-file-status

/lhcb/production/DC06/phys-v4-lumi5/00001897/RDST/0000/00001897_00000237_1.rdst

```
{'Failed': {}},
'Successful': {'/lhcb/production/DC06/phys-v4-lumi5/00001897/RDST/0000/00001897_00000237_1.rdst'}
```

dirac-production-file-status

/lhcb/production/DC06/phys-v4-lumi5/00001897/RDST/0000/00001897_00000237_1.rdst 3030

```
{'Failed': {}},
'Successful': {'/lhcb/production/DC06/phys-v4-lumi5/00001897/RDST/0000/00001897_00000237_1.rdst'}
```

dirac-lhcb-production-check-files

This table shows the possible inconsistencies that may arise during normal operations. The `dirac-lhcb-production-check-files` script should allow Grid experts to identify and rectify these problem files/jobs. This table should be edited to ensure that all relevant cases are considered and the relevant action performed.

#	WMS job state	prodDB input file state	BK,LFC output file status	Action
1	Done	Processed	OK	No action
2	Done	Processed	not OK	file => Unused
3	Done	Assigned/Unused	OK	file => Processed
4	Done	Assigned/Unused	not OK	file => Processed; clean up BK, LFC?
5	Failed	Processed	OK	WMS job => Done
6	Failed	Processed	not OK	file => Unused
7	Failed	Assigned/Unused	OK	clean up BK,LFC
8	Failed	Assigned/Unused	not OK	No action
9	Stalled	Processed	OK	?
10	Stalled	Processed	not OK	?
11	Stalled	Assigned/Unused	OK	?
12	Stalled	Assigned/Unused	not OK	?

- *RUNNING* : If jobs are *RUNNING* then we should just leave them alone until they fall into one of the above states.
- *COMPLETED* : What should I do if jobs are *COMPLETED* ? Originally I was equating them with *DONE*. However, *COMPLETED* means that there are some files which have not yet finished transferring, in which case it is expected that the prodDB and LFC/BK could be in some inconsistent state.

-- StuartPaterson - 08 Sep 2008 -- GreigCowan - 21 Sep 2008

This topic: LHCb > ProductionDB

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