# Scan Report Usage

The document used for scan all flows result. They are written in the same class while with different function. Till now the class supports the following flow:

* QoR
* General tcl
* Mutli-seed

Options usage:

|  |  |
| --- | --- |
| **-h, --help** | show this help message and exit |
| **--job-dir=JOB\_DIR** | specify job working path |
| **--design=DESIGN** | specify design name |
| **--conf-file=CONF\_FILE** | specify the configure file |
| **--pap** | dump Lattice Performance Achievement Percentage data |
| **--report-name=REPORT\_NAME** | specify report\_name you want to store |
| **--report-path=REPORT\_PATH** | specify the report path |
| **--force-na** | force the data become NAN if can not get data from par file |
| **--special-structure=SPECIAL\_STRUCTURE** | specify the special structure for the case |
| **--flow=FLOW** | specify the case flow |
| **--qor-auto** | Write the pass/fail log in QoR automation flow |
| **--list-order** | sort the report as spcial order listed in the case\_list file located in conf directory |

Specification:

--job-dir: specify the case location

--design: specify which case you want to scan

--special-structure: specify the special directory structure. The default value will be “\_scratch”

Using upon three parameters, we can scan any special case result.

For qor, If you want to get the sorted report, you have to make sure the job dir is the same to the report path.

For example:

We suppose you want to scan cases located in //d27407/cases, the signal case result located in case\_name/\_scratch/impl.

For scan all the case results, we can set the parameters as:

--job-dir=//d27409/cases --special-structure=\_scratch

For scan one case named case1 results, we can set the parameters as:

--job-dir=//d27409/cases --special-structure=\_scratch –design=case1

--conf-file: the file you want to specify special titles for the source you want get.

In the conf-file, you should write each title in a signal line.

For example:

IO

LUT

Fmax

…

If you used this parameters, you will have a result named source\_list\_\*.csv. In which all the sources you wanted will be listed.

--force-na: if you used this parameter, the script will translate all the data to ‘\_’ if cannot get useful data for “Par\_Done” and “all signals are complete”.

--flow: specify which flow you want to scan as different flow has different result structure.

**Demos:**

Scan a case for qor:

Python run\_scan\_lattice\_step\_general\_case.py --job-dir=Sapphire\_92 --design=21\_orca\_tut –flow=qor

Scan all case for qor:

Python run\_scan\_lattice\_step\_general\_case.py --job-dir=Sapphire\_92 –flow=qor

Scan all case for qor and write pass/fail log files and also write rerun case bat file.

Python run\_scan\_lattice\_step\_general\_case.py --job-dir=Sapphire\_92 –flow=qor –qor-auto

Scan all case for run mutli-seed:

Python run\_scan\_lattice\_step\_general\_case.py --job-dir=Sapphire\_92 –flow=seed

Scan all case for tcl result:

Python run\_scan\_lattice\_step\_general\_case.py --job-dir=Sapphire\_92