

EDP 5.3 Release Notes

New Features

- Added new command line option `--uncore-view`. Including this option on the command line causes edp to generate uncore unit views. Uncore views are dynamically generated based for uncore devices for which events were collected. They are written to per device csv reports and excel sheets (when an excel file is specified using `-o` on the command line). Note: excel charts are not yet supported for uncore views.
- Extended support for the `-o / --output` command line argument. `-o / --output` accepts either an excel file with an `.xlsx` extension or a path to an output directory. If the excel file is given, csv and excel file will be written to the excel file path. If an output directory is given, csv files will be written to the output directory and no excel file will be written, reducing post-processing time.

Example command line usage	Expected results
<code>-o output.xlsx</code>	csv and output.xlsx written to the current working directory
<code>-o output_dir/output.xlsx</code>	csv and output.xlsx written to output_dir
<code>-o output_dir</code>	csv files written to output_dir (no excel generated)

- Added new command line option `-l / --retire-latency` which can be used to specify per event retire latency constants for metric formulas. EDP currently uses the "MEAN" constant specified in the json retire latency constant file in its computations.

Example command line usage
<code>-i in.dat -m "bigcore=metrics.xml" -l "bigcore=latency.json" -o output.xlsx</code>
<code>-l in.dat -m "bigcore=bc.xml" "smallcore=sc.xml" -l "bigcore=latency.json" -o output.xlsx</code>

Fixed Issues

- Offlining cores no longer causes EDP to crash
- Excel output now includes per-txn reports (when requested on the command line)
- Timestamps in excel detail reports now display a date and time
- Begin and End sample numbers reported in csv/xlsx files are now correct
- EDP and Jupyter notebooks no longer report a futurewarnings for DataFrame.append
- `edp.py --version` no longer reports and error along with the version information

Known Issues

- Excel charts are not supported for uncore views
- Older platform XML files (version<11.36) may cause incorrect computed values in the socket view for some uncore metrics, due to inconsistencies in 'per socket' constant values in the XML file (e.g. 'channels_populated_per_socket' may appear as 8 or 32 in the same XML file). Currently this is only a known issue in SPR XML version 4.28.