PyDarshan interface and tools

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PyDarshan: Overview

- Python-based Darshan log analysis tool

- Primary functions:
  1. Provide API for accessing Darshan log data
  2. Generate summary reports (HTML)

- Motivations:
  - Easy-to-install dependencies
  - Lower the bar for maintenance, custom analysis, new features, etc.

- Installation:
  - Python 3.6 through 3.10
  - Can be installed from PyPi (pip install --user darshan)
  - Source packaged in `darshan-util`
PyDarshan API & Data Access

- Jupyter-notebook
PyDarshan Job Summary Tool

• Generating a report:

$ python -m darshan summary ~/path/to/log_file.darshan
> Report generated successfully.
> Saving report at location: /current/working/directory/log_file_report.html
PyDarshan: Feedback

We want your feedback!

Feedback is welcome on the Darshan issue tracker: https://github.com/darshan-hpc/darshan/issues

Most up-to-date PyDarshan reports can be generated using Darshan v3.4.0-pre1release, or the current main branch.
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