

Delivering HDF5 Exascale Features to the Users

The HDF Group Data & Vis SDK Team
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The HDF Group Goals for Data & Vis SDK

- Provide ECP HDF5 users with *production quality* HDF5 software that integrates HDF5 optimizations and new features created by the ECP project teams for HDF5.
 - Automated daily regression testing on ECP systems
- Equip ECP HDF5 users with tools and best practices to
 - Minimize HDF5 learning curve
 - Optimize I/O performance on ECP platforms
- Our overall strategy
 - From “standalone” HDF5 package and HDF5 features prototypes to a member of E4S via Spack and DAV SDK

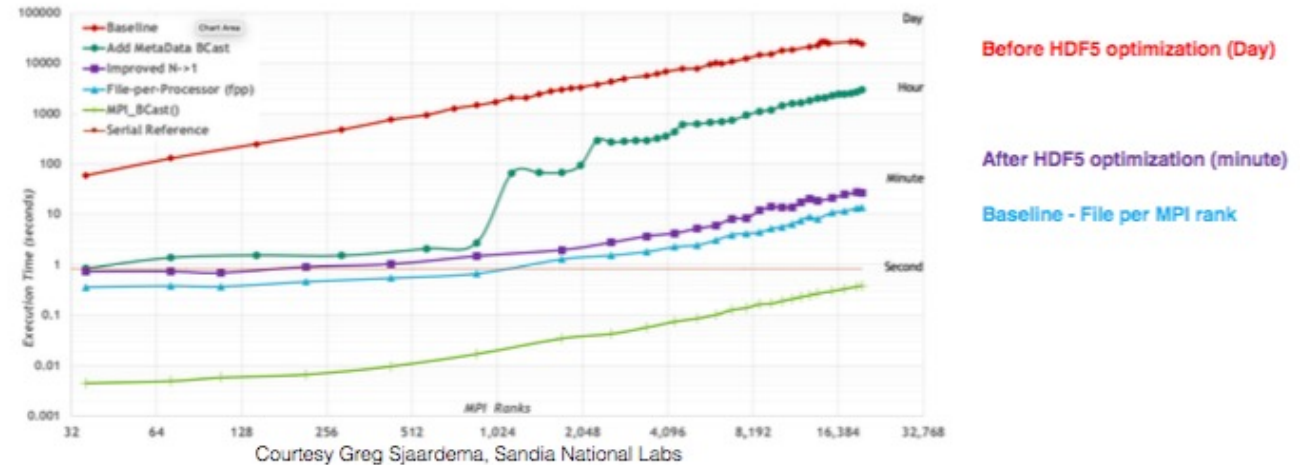


HDF5 and Spack

- The HDF Group is now an official maintainer of HDF5 in Spack
 - GNU Autotools builds and testing
 - Defaults to HDF5 1.10.7
 - HDF5 develop and 1.12.0 variants are available
- Imminent change (in review by the Spack team)
 - CMake builds and testing
 - Additional variants
 - Compression plugins including ZFP and SZ
 - ExaIO HDF5 VOL connectors (Async, Cache, external pass-through)
 - Variants based on HDF5 1.13.* for the early releases of ECP features
- Come to HDF5 BoF at 3:00 pm Central for details

HDF5 Learning Resources and Outreach

- help@hdfgroup.org
- <https://forum.hdfgroup.org>
- Webinars and Tutorials



- Announced on [HDF-FORUM](#), [ECP Training Events](#) page and ECP Training Newsletter
- HDF User Group Meeting in October 2021
- **New:** Call the Doctor - The Weekly HDF clinic (on Tuesdays at 8:30 am or 1:00 pm Central)

Questions?