

HDF Group report to LLNL
January 1 – January 31, 2011
Quincey Koziol

Summary:

During the period from January 1 to January 31, 2011 the HDF Group worked on the following tasks:

- Port and test HDF5 1.8.x releases on LLNL machines (16.8 hours)
- Set up accounts at LLNL (5.0 hours)
- Misc. Admin Tasks (3.5 hours)

The **total number of hours** worked is **25.3** hours.

New tasks:

During this time period the following tasks were begun:

- ***Port and test HDF5 1.8.x releases on LLNL machines***
 - Test HDF5 releases on appropriate LLNL machines, including adding daily regression tests, etc.
- ***Set up accounts at LLNL***
 - Set up accounts at LLNL for Quincey and Albert.

Completed tasks:

During this time period the following tasks or sub-tasks were completed:

- ***Set up accounts at LLNL***
 - Finished setting up accounts at LLNL and renewed Albert's accounts at Sandia.

Tasks in progress:

During this period of time The HDF Group worked on the following tasks:

- ***Port and test HDF5 1.8.x releases on LLNL machines, Albert Cheng*** (16.8 hours)
 - Testing 1.8.5-patch1 release on sierra, aztec and dawndev.

- ***Set up accounts at LLNL, Quincey Koziol, Albert Cheng*** (5.0 hours)
 - Set up accounts at LLNL and renew Albert's accounts at Sandia.
- ***Miscellaneous tasks, Quincey Koziol, Albert Cheng*** (3.5 hours)
 - Planning and reporting activities.
 - User discussions, status telecons & e-mail.
 - Make snapshots, etc.

Current Projects for People:

- Quincey Koziol:
 - Design VFDs to enable poor man's parallel I/O
 - Enable starting "core" VFD from existing buffer
 - Project management
- Albert Cheng:
 - Port and test HDF5 on LLNL machines

Ongoing tasks for next reporting period:

- ***Design VFDs to enable poor man's parallel I/O, Quincey Koziol***
 - Discuss feature and write RFC for VFDs that can improve "Poor Man's Parallel" I/O on HPC systems.
- ***Enable starting "core" VFD from existing buffer, Quincey Koziol***
 - Write and circulate RFC for adding feature to library.
 - Implement feature.
- ***Port and test HDF5 on LLNL machines, Albert Cheng***
 - Stand up daily testing on LLNL machines.
 - Investigate and add tests for "poor man's parallel" I/O to HDF5 regression test suite.