PDT Presentation Outline Notes

HDF5

20130819

Version 1

Put the abstract here. This document describes ….

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# Bullet Map

The Don’s Email column has bullet points from Don’s email to Elena, Quincey, and Mike on 8.19.2013 with a subject of “RE: Follow-up from recent meeting, revised NDA.” The Roadmap column has points from Current and Planned Development Efforts of Interest to PDT Partners.docx. The PSI slides can be found in SVN at <https://svn.hdfgroup.uiuc.edu/hdf5doc/trunk/projects/PSI>.

| **Don’s Email** | **Roadmap (Section > Bullet)** | **PSI Slides** | **PDT Slide Section** |
| --- | --- | --- | --- |
| \_ SWMR (concurrent access) | Concurrent I/O Efforts > SWMR | * Topic-7.12-SWMR.pptx * Topic-6-HDF-Parallel.pptx | SWMR – Single Writer Multiple Readers  x\_ insert 7.12 slides  \_ E and Q edit slides  \_ reformat inserted slides to fit template style |
| \_ Client/server network access (concurrent access) | Concurrent I/O Efforts > Client/Server Network Access | * Topic-7.x-???????.pptx | Client/Server Network Access  \_ insert slides  \_ E and Q edit slides  \_ reformat inserted slides to fit template style |
| \_ Page buffering | Performance Efforts > Page Buffering | * Topic-7.4-HDF5-PageBuffering.pptx | Page Buffering  x\_ insert 7.4 slides  \_ E and Q edit slides  \_ reformat inserted slides to fit template style |
| \_ Scalable chunk indices | Performance Efforts > Scalable Chunk Indices | * Topic-7.x-???????.pptx | Scalable Chunk Indices  \_ insert slides  \_ E and Q edit slides  \_ reformat inserted slides to fit template style |
| \_ “Append-only” property for writing data | Performance Efforts > “Append-only” Property for Writing Data | * Topic-7.13-h5watch.pptx, slide 2 * ??????? | Append-only Data Writing  x\_ insert 7.13 slide  \_ E and Q edit slides  \_ reformat inserted slides to fit template style |
| \_ Internal threading for data parallel operations | Multi-Threading > Internal Threading for data parallel operations | * Topic-7.1-Multi-threading HDF5-Paths Forward.pptx * Topic-5-Chunking-Performance.pptx, slides 73-75 | Internal Threading  x\_ insert 7.1 slides  x\_ insert slides 73-75  \_ E and Q edit slides  \_ reformat inserted slides to fit template style |
| \_ Improve library concurrency | Multi-Threading > Improve Library Concurrency | * Topic-7.3-HDF5-AIO.pptx * See comments on multi and split file drivers in Topic-7.5-VFL and VFD basics.pptx * See also Topic-7.1-Multi-threading HDF5-Paths Forward.pptx slides in “Internal Threading” section above | Improve Library Concurrency  x\_ insert 7.3 slides  x\_ insert 7.5 slides  \_ E and Q edit slides  \_ reformat inserted slides to fit template style |
| \_ Journaled HDF5 files | Fault Tolerance > Journaled HDF5 files | * Topic-7.10-Metadata Journaling.pptx | Fault Tolerance: Journaling  x\_ insert 7.10 slides  \_ E and Q edit slides  \_ reformat inserted slides to fit template style |
| \_ Ordered updates to HDF5 files | Fault Tolerance > Ordered Updates to HDF5 files | * Topic-7.x-???????.pptx | Fault Tolerance: Ordered Updates  \_ insert slides  \_ E and Q edit slides  \_ reformat inserted slides to fit template style |
| \_ Improve string operations\* | Other Efforts > Improve String Operations | * Topic-4.1-DatasetIO.pptx, section “I/O for Variable-length Dataset”, slides 48-55 (if used, change font of “Global heap” from 20 to 18) | Other Efforts  x\_ insert slides 48-55  \_ E and Q edit slides  \_ reformat inserted slides to fit template style |

\* Specifically improve storage of variable-length strings, UTF-8 support for string data, but we're probably not concerned with internationalization of filenames, dataset names, etc.

The Topic-7.6-Split and Family VFD Issues.pptx file is just an empty PowerPoint shell file.

The Topic-7.7-File Image Operations.pptx file has a section titled “Digression: Property Lists” that includes slides 8-9. This might be a resource for the property lists chapter in the UG.

The Topic-4.2-DatasetFilters.pptx file might be useful for any discussions of filters and compression. Might filters and compression be an offshoot of the property list chapter? Filters are set up with property lists.

\_ first draft sent to E 8.22.2013

\_ 8.22.2013, copied draft to PDT Partners Presentation.v2.pptx to reformat existing slides

## Questions

* In the PDT slide show, what should the footer information be? In the Topic-7.12-SWMR.pptx file for example, the footer information includes the date and title of the presentation along with our website URL. We can leave the URL. What should the date and title be?
* Title slides may have an author’s name. Remove author’s name, company name, and other identifying information such as Paul Scherrer Institut.
* For body slides, do we want the header to include the section name like a chapter name in a Word doc, or do we want to put the slide title?
* ???????

## PowerPoint Stylesheet Notes

* c/c topic 5 Arial with topic 7 Calibri. Calibri is easier to read (or I am more used to it).
* Body slide title/header characteristics:
  + 36 point Calibri,
  + right justified,
  + Standard capitalization rules for headings/titles apply, see <https://confluence.hdfgroup.uiuc.edu/display/TECHDOC/Documentation+Style+Sheet#DocumentationStyleSheet-Capitalization>
* Body slide text characteristics:
  + 32 point Calibri max,
  + 24 point is used often for body text,
  + left justified,
  + master slide text area can be enlarged as needed;
  + for code snippets and function names, use Courier New for the font; this font reads larger than its equivalent Calibri; for example, if the text is Calibri 24 point, make any code or function names Courier New 20 point;
  + at the moment, I think we should use only round, filled in bullets;
  + for every indent applied to a bullet point, reduce the size of the font by 4;
  + Callouts, use a font size that fits, capitalize first word
* Body slide footer:
  + slide # centered,
  + [www.hdfgroup.org](http://www.hdfgroup.org) in right corner;
  + in some slides, I have seen the presentation name and date; these should not be included on the footer unless put into the master slide;
* ???????