2020-8-4 Meeting notes

Date

04 Aug 2020, 10:00 AM EST (US),

Participants

- @ Scot Breitenfeld
- @ Gregory Sjaardema
- @ Vicky Moschou
- @ Christopher Rumsey
- Scott Imlay
- @ David Gutzwiller
- @ Tobias Leicht
- @ dmitry.s.kamenetskiy
- @ Thomas Hauser
- @ Tony Garratt
- @ Koen Hillewaert

Steering Committee Issues

Discussion topics

Item	Presenter	Notes
Approve April 2020 minutes.	@ Scot Breitenfeld	☑ post last meeting's minutes to CGNS webpage.

prioritization, review and attribution of JIRA bugs/issues	@ Tony Garratt @ David Gutzwiller	☑ @ Scot Breitenfeld enter issue about POSIX issue with object storage.

Updated Kanban Board for release of v4.2

4.2 Kanban Board:

https://cgnsorg.atlassian.net/secure/RapidBoard.jspa?rapidView=6&projectKey=CGNS

General Kanban Board:

https://cgnsorg.atlassian.net/secure/RapidBoard.jspa?rapidView=3&projectKey=CGNS&selectedIssue=CGNS-190

Tony 8/4/2020: PROPOSAL - could we consider a bug-fix only (no new features) release of CGNS to address the outstanding bugs and documentation?

Platform proposals
Windows is under-tested. Suggest Test C and Fortran serial and parallel on Windows 10 x64 as a bare minimum

Do we test both 32bit (legacy) and 64bit API? It's a minor point, but it would a good idea to add 32bit to at least one Linux and Windows

Bug list: https://cgnsorg.atlassian.net/browse/CGNS-176

A priority of bugs to fix in next release

#1 https://cgnsorg.atlassian.net/browse/CGNS-135

Crucial to Ansys. Although most HPC is Linux, project set-up often was done on Windows and import/export/sharing of mesh/solution done on Windows, while most runs performed on Linux clusters

#2 https://cgnsorg.atlassian.net/browse/CGNS-141

#3 https://cgnsorg.atlassian.net/browse/CGNS-116

- important to have parallel working

#4 https://cgnsorg.atlassian.net/browse/CGNS-166

#5

https://cgnsorg.atlassian.net/browse/CGNS-55

#6

https://cgnsorg.atlassian.net/browse/CGNS-55
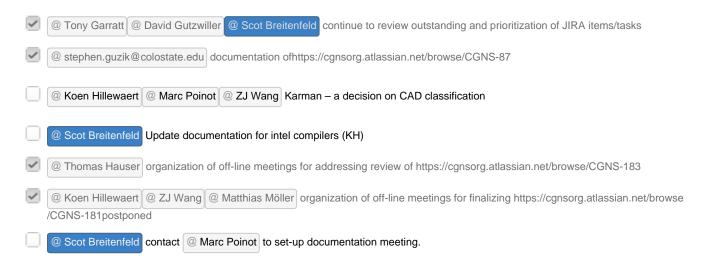
https://cgnsorg.atlassian.net/browse/CGNS-38

https://cgnsorg.atlassian.net/browse/CGNS-162

https://cgnsorg.atlassian.net/browse/CGNS-113

https://cgnsorg.atlassian.net/browse/CGNS-147

high-level editing tools for the documentation page	@ Marc Poinot @ Christopher Rumsey	Raw html is not an ideal format to maintain documentation, the latex version seemed easier. It was mentioned to maybe go back to using latex, but the latex version is now out of date compared to the html version. Some committee members were uncertain whether the latex format was the right way to go when compared to other documentation methods (Markdown, Readthedocs, etc…). Either way, it will involve some effort to move from the html versions. ☑ @ Marc Poinot will look into latex state of documentation and will look into alternatives to raw HTML. • @ Marc Poinot has prototype w/ REST (used for the readthedocs web site). It supports equations and images and should therefore be sufficient. It is implemented / available in dedicated branch (documentation_migration). Needs feedback before continueing • action for all: check result and the actual rest code. Main concern: simplicity of edition - to be checked by all in the source in a dedicated branch ☑ @ Marc Poinot push last edits in prototype on branch (branch is https://github.com/CGNS/cgns.github.io/tree/doc-rest-migration/CGNS-ReST-site) and new directory is CGNS-ReST-site ☐ ☐ Change test site to: https://poinot.github.io/cgns-test.github.io/ ☐ Suggest looking into using doxygen, @ Marc Poinot suggest a seperate meeting to discuss.
cgnstalk: maintain or to be replaced by an alternative discussion group		• main issue is that it is a NASA tool and getting older less flexibility • currently it's main advantage is visibility / following • if replaced, best within the current tools (jira/confluence) for archival; probably as close as possible to bug tracking ☐ @ Christopher Rumsey will look into the current usage of cgnstalk, ☐ Tabling issue, we will look into alternatives if need arises.
Status of Future CPEX 0044 https://cgnsorg.atlassian.net/browse/CGNS-181	@ Koen Hillewaert	The current focus is on finishing and implimenting CPEX 45. Tabling CPEX 0044 for now.
Status of Accepted CPEX 0045 https://cgnsorg.atlassian.net/browse/CGNS-182	@ Koen Hillewaert	@ Koen Hillewaert prototype implementation working and interfaced in inhouse code. ☑ @ Koen Hillewaert make sure branch available for other testers @ Tobias Leicht is interested in testing it. Will be tested over the next few months via the HiFiTurb project. Introduce an API by the end of the year. WIll work with @ Scot Breitenfeld to merge into develop when it is ready.
Status of Future CPEX 0046 https://cgnsorg.atlassian.net/browse/CGNS-183	@ Thomas Hauser	☐ @ Thomas Hauser will organize a meeting before the next committee meeting; probably even this week. @ Thomas Hauser will set-up another meeting in Sept.

Action items from last meetings

- ☑ `@ Tony Garratt` `@ David Gutzwiller` `@ Scot Breitenfeld` continue to review outstanding and prioritization of JIRA items/tasks

- ☑ `@ stephen.guzik@colostate.edu` documentation ofhttps://cgnsorg.atlassian.net/browse/CGNS-87

- ☐ `@ Koen Hillewaert` `@ Marc Poinot` `@ ZJ Wang` Karman – a decision on CAD classification

- ☐ `@ Scot Breitenfeld` Update documentation for intel compilers (KH)

- ☑ `@ Thomas Hauser` organization of off-line meetings for addressing review of https://cgnsorg.atlassian.net/browse/CGNS-183

- ☑ `@ Koen Hillewaert` `@ ZJ Wang` `@ Matthias Möller` organization of off-line meetings for finalizing https://cgnsorg.atlassian.net/browse/CGNS-181postponed

- ☐ `@ Scot Breitenfeld` contact `@ Marc Poinot` to set-up documentation meeting.

Decisions

New Business

Any new CGNS funding proposal opportunities? **No new discussion.**

Schedule next meeting

08 Dec 2020 10:00 AM EST (US)

Adjourn