

Agenda for OpenACC Face-to-Face meeting
May 12-14, 2015
Hosted by Oak Ridge National Laboratory, Tennessee

Please plan to arrive at ORNL by 8:30 on Tuesday to get badges and directions

The Push to OpenACC 2.5

Tuesday

AM: user feedback presentations and discussions
PM: continuing user feedback discussions
review topics as time permits

Wednesday

AM: OpenACC 2.5 items
topics: G, S2, C2, E, Z
review: C, N2, B, H, J, L
PM: 1.30pm EST: "OpenACC State-of-the-Union" seminar. JICS auditorium.
continuing discussions from AM

Thursday

AM: OpenACC 2.5 items
topics: I, I2, O2, X, Y
review: M, O, Q, S, T, V, W
PM: continuing discussions from AM, as time permits

Item list and current status:

- A. deep copy (DEFERRED)
not going into this version
- B. replace present_or_copy/copyin/copyout/create by copy/copyin/copyout/create
text in place, needs review
- C. Update directive if data is not present becomes no-op
initial text in place, needs edits
- C2. Document API routine and directive in the same place
NOT done
- D. Eliminate Fortran header file
done
- E. Fix behavior in the presence of aliasing
NOT done
- F. Move to Latex
done
- G. Profile Tools Interface
need agreement or disagreement
- H. init, set device, shutdown directives
initial text in place, needs review
- I. Expose reference counting
NOT done
- I2. Fix exit data, add immediate copyout/delete as well as ref count versions
NOT done
- J. fix routine bind
initial text in place, needs review
- K. disallow some reductions
done
- L. Fortran allocatable in acc declare create, allocate/deallocate behavior
text in place, needs review
- M. acc loop auto
text in place, needs review
- N. acc routine without gang/worker/vector/seq is a compile-time error
done
- N2. define level of parallelism in glossary
text in place, needs edits and review
- O. add default(present)
initial text in place, needs review
- O2. define scalar. define array? define aggregate datatype?
NOT done
- P. Async versions of data API routines
done
- Q. Set default async ID; add new ICV for default async ID
initial text in place, needs review
- R. @ notation for pointer translation (DEFERRED)
not going to be done
- S. private/reduction on parallel loop or kernels loop
initial text in place, needs review
- S2. firstprivate on loop?
needs discussion
- T. acc loop worker private(x), to what is x private
initial text in place, needs review
- U. move private/firstprivate description to data section (DEFERRED)
not going to be done
- V. restriction for cache clause
initial text in place, needs review
- W. acc_memcpy_device
text in place, needs review
- X. C++ complex in reduction
NOT done
- Y. Modify memory model in introduction to allow for shared+private memories
NOT done
- Z. num_gangs num_workers vector_length on kernels directive
NOT done

status summary:

review: B, H, J, L, M, O, Q, S, T, V, W
needs edits: C, N2
need work: C2, E, I, I2, O2, X, Y, Z
discussion: G, S2
done: D, F, K, N, P
deferred: A, R, U