Resources and Data WG report

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Current Resources and Data WG

Original goal: Working to make the distributed resources of PRAGMA useful to diverse applications.

Q: How much do we know about what goes on and what is needed by other groups?

Q: currently, what works and what does not within the working group
- too broad definition of a group
- group is too big
- need more precise areas of interest

Q: What can we do to structure it better
- ideas how to improve group work
- new directions or projects or improvement of existing
- do you have goals, problems, solutions that you can share with others and collaborate on

Q: What is the big picture (including resources and applications)

Some of the ideas:

- How to be more productive in the sessions
  - Usually more productive outcomes are from smaller inter-disciplinary groups
  - We cant support other groups without understanding what they need
  - Tackle higher level problems
    - Present a problem
    - See who else wants to participate

- Restructure the breakout groups format into interdisciplinary groups that are focused around a high level problem.
  - Present a problem
  - See who else wants to participate

- Propose research problems (by PRAGMA members and local participants) and form groups with the interested participants.

Potential Research collaborative opportunities

- Collaboration with FIWARE Platform (USM, Chong Yung Way)
- Design and specification of an edge processing node. Inclusive (UF, Ken Subratie):
  - enclosure, power, cooling,
  - compute/storage/network components
  - software platform/middleware
- Optimization of applications - need real use cases and data (USM, Choong Shin Siang)
- Emotions (trust) identification from audio files – need data (USM, Deborah Ooi Yee Hui)
- Using GPU virtualization (UI, Heru Suhartanto)