Towards Professional Grid Certification

- Agenda

- Summary of the idea

- Possible benefits

- Do we need a professional Grid certification ??

- Concerns with the draft document

- Grid Professional Institute ?

Summary of the idea

- Grid Education / Training:
  - Course attendance (course material)
  - Examination
- Standardisation of Examination
- Separation of success control from course provision means two different roles:
  - course provider
  - examination provider
- Vendor / technology-provider neutral certification

Summary of the idea

- Work on standardised certification procedures should comprise

  - Creation and maintenance of a catalogue of questions

  - Quality assurance / check of certification companies

- Certification on two levels:

  - 1 (provisionally named Grid certified technician)

    - base module / General Grid skills, maint. by general body

    - specialisation module (e.g. Globus, gLite, LSF, …)

  - 2 (provisionally named Grid certified

Possible Benefits

- Everybody wins:
  - Training / course providers can focus on course provision and content
  - Examination companies gain a source of revenue
  - Standardisation of examinations means that employers know what to expect from someone trained in Grid technologies
  - Employees can compare their success with others and adjust, were necessary
  - Quality of training increases constantly due to evolutionary process across different providers + quality control of examination

Do we need a professional Grid certification ??

- David: absolutely crucial for development of e-Science

- Malcolm: support

- DECIDED

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Concerns with the draft document

- M: In the end document has to be agreed by OGF, everybody needs opportunity to comment.

- Comments for draft document should be sent within two weeks -> May 21.

Grid Professional Institute ?

- need people who are professionally employed
- Tasks:
    - accreditation of examiners
    - base module provider
    - quality check for extension modules
    - copyright holder
- R.B.: Needs to be non-profit, but funded by industry or participating institutions
- M. companies might sue if accreditation is denied. Need big body behind you -> pursuade one of the professional bodies who already work

Grid Professional Institute ?

- Bernhard: Go to EU and ask whether they would want to start such a body ?

- M.: They would not themselves be associated with it …

- D.: Company that sells accrediation ? Would charge for examinations

AOB

- Length of knowledge acquisition / scope of examination

- In-service demonstration of application of Grid engineering

- More differentiation / clearer definition of meaning of CGT / CGE …

- Should be tied in with professional certification process

- Advantages for larger Grids (EGEE …) -> Gabriel Z.

AOB

- Malcolm: Small group needs to drive development of base module
- David: Survey of summer school curricula ?
  - Malcolm: no, whole range of different goals
- G.Z.: Should include customers. NA3 training activity is doing survey on commercial training needs. Question in there to get feedback
- Jennifer S.: RHCE ... more targeted
- Malcolm: We need independant

AOB

- M.: Need to define standards we want to achieve independant of current technologies

- M.: Engineer has to do planning, technician doesn't

- CEP: Learn to fly + get 747 or A380 ratings

- M.: We will see lots of requirements, but need to limit ourselves in the beginning.

- D.F.: Further questions can probably not be added

AOB

- G.Z.: Introduction: We have no comment from industry regarding conflict of academia and industry.

- M.: Suggestion: Need to have sessions at enterprise track where we present it to the enterprise community and get feedback.

- G,Z,:
    - agree on document
    - start process, incl. industry
    - try out content

- R.B. Could be tried out in EGEE training ?

- G.Z.: But must include industry

- G.Z.: Need one or two pilots

AOB

- M.: How long would a course leading up to a CGT needs to be ? CGE should include a practical project, in service where possible -> t-Infrastructure

- D.: Need sense of quantity: how long do courses need to be ?

  – Malcolm: 20 for base + 20 hours for specialisation module (but BARE MINIMUM !!!)

  – Bernhard: Scheduler training experience at Platform: full weeks training course on LSF gives you a very experienced and educated

AOB

– need more than 20 hours. Course in Argentina 18 hours, cut down, not sufficient. 50% practical vs. lecture

- Jennifer: Ration practical vs. lecture needs to be discussed.

- Malcolm: votes 5 days for base module, 5 days for specialisation

- CEP: need to specify type of knowledge before you talk about time needed.

- Malcolm: need constraint or will need indefinite amount of time.

AOB

- Malcolm: lots of Univ. are giving spec. on Grid computing, but are aiming at education, not training.

- WE MEAN TRAINING, NOT EDUCATION

- Malcolm: Iterative process. Had idea of content last time, now have idea of time. Now need someone to look at: Can we teach what we need in this time ? Need to talk to employers and providers: Is this what they want ?

- D: If we have employers, providers will come along.

- M: would also focus on employers.

AOB

- Had idea that Grid applications are not really existant. But opinion has changed. Some applications are coming up (banking). Yet work to do. Would attend training. Would pay for it.

- Certification has to be seen to have some value

- Jennifer: Who gets the benefit from a certification ?

25.7.07

- „Certified Grid Professional" instead of CGE

- Presentation in the enterprise track
  - Abstract of work so far to be sent to OGF session manager

  - The E&T group has come up with a proposal to standardise examination of Grid professionals, provisionally called a „Certified Grid Professional". This session intends to present the idea to industry representatives in order to gather further input and contributors. Further, detailed information about the proposal can be found at <URL to proposal document on E&T web page>"

- Session in E&T Framework:
  - presentation of finalised document „Towards professional Grid certification"
  - chance for participation by industry

25.7.07

- Discussion forum on how to proceed with E&T Framework

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