Discussion about the grid component model

Target:

european, ackonwledged component based programming model for grids

Via:

existing projects by virtual institute partners, financing the research
+ integration financed by CoreGRID

Expected:

commonly agreed component model
each partners still has its own, but converges

In the annex I, basically

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Things to discuss/agree

Component model specification

  abstract, concrete, reference impl. ?

Peculiar features

  existing ones, (completely) new ones ?

Usability

  model, reference implementation?

Grid awareness

  explicit, invisible grid ?

Way to come to the expected result

  gather info from existing projects (ongoing)

  elaborate (new) model

  spread new model through (new) projects

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By after lunch time:

Statement on the component model specification

    Abstract ? Concrete ? Ref Impl. ? All of them ? Some of them ?

High level features of the component model

    Composition, visibility of composition, structuring/paradigms, static vs. dynamic features, etc.

Low level features of the component model (mechanisms)

    Interaction mechanisms (kind of ports/??), Control mechanism (controllers, non functional interfaces, etc.)

    language support

Requirements on the framework

    APIs, mechanisms, etc.

Best result

1) We agree on the kind of specification of model (today)

2) We agree on the basic features of the model (this year)

3) New projects are started to implement the model (this/next year)

4) We provide a reference implementation (next 2 years)

5) All the partners start using/specializing/building on the new model (beyond CoreGRID)

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Starting point

Denis's Questionnaire (developers)

　　which model, main features, why should consider

Denis's Questionnaire (users)

　　how to use, essential features, wish list

Reference papers

　　example on the mailing list …

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Roadmap document

Two version:

first version due end of February

second, assessed version, due end of Feb 2006

Template sent on December 2005

Template (more general) by CoreGRID January 2005

Preliminary discussion (dec 2004): almost null

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Template (CoreGRID)

15 to 30 pages

Context, strategic and positioning

Virtual institute goal

Mechanisms to be used

Contributions to overall roadmap

Table of content

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Timing

Responsible: **UNIPI**

Authors: **volunteer partners**

Next week

1st feb week   **first version broadcasted**

2nd feb week   **gather comments**

3rd feb week   **final version**

4th feb week   **last minute comments & deliver**

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How to proceed

Early draft (next week)

just titles / summary of the sections

Draft

draft sections

Comments

CVS + LaTeX ? (MS word ?)

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Partner participation/involvement

Task leaders:
   OK? Need to change? Support?

Deliverable responsibles: (?)

Activities:
   Short visits, fellowships,
   CoreGRID reports and papers,
   Web Site, Newsletters, Schools,
   Financial stuff,
   New proposals (!) …

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