



Cetic Deployment of a gLite-based YOUR CONNECTION TO Grid Platform at CETIC







CETIC

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 Oostende

 Antwerp
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 BRUSSELS

 Liège
 Charleroi Namur

 Bastogne
- Research Center in Information and Communication Technologies
 - Created in 2001, by 3 Belgian Universities
 - Non-profit center, 25 researchers, 2.5 M€ budget
 - Applied Research & Technology transfer
 - Connecting Research Labs To Enterprises
- Serving the Industry
 - Contribution to regional economic development





South Service De Live









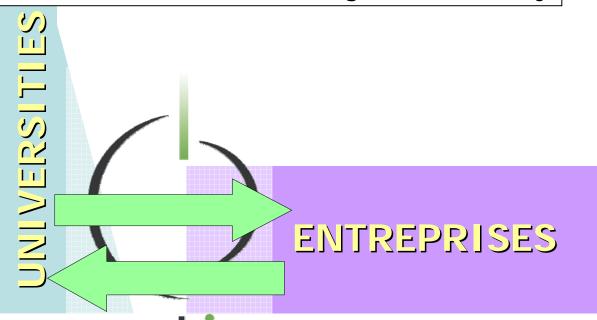






Positioning

An ICT R&D Centre Serving The Industry



Cetic
Your connection to
ICT research

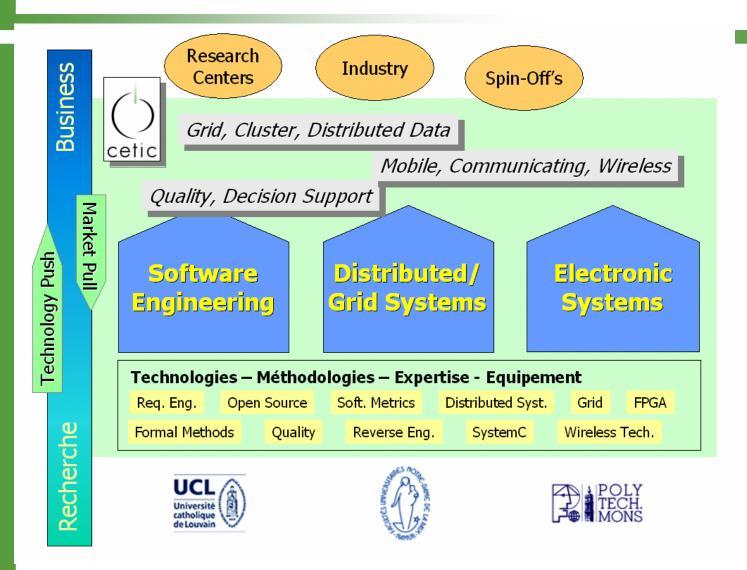
- Applied Research
- Feasibility Studies
- Technology Transfer
- Spin Off creation







CETIC Research







CETIC Research Areas

- Software Engineering
 - Software Products Quality
 - Metrics, Monitoring, Impact on software processes
 - Security Critical Systems Modelling
- Distributed Data Technologies
 - Grid Technologies, Cluster
 - Web data mining
 - Search Engine
 - Reverse Engineering
- Micro-Electronics
 - Wireless Technologies
 - Co-design FPGA







On-going FP6 Projects























CETIC & Belgian Grid







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PARTICIPANTS

Participants:

IIHE (ULB-VUB)

HA

K.U.Leuven

UA

UGent

ULB

ULB-STC

VLIZ VUB

Planning to enter the project:

FPMS CETIC **FUNDP**











Rechercher...

BUSINESS EXPERIMENTS IN GRID

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24-09-2006

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BEinGRID Services

BEINGRID Experiments >

BE3 - Visualisation and Virtual Reality



BE3 - Visualisation and Virtual Reality

The objective of this experiment is to drastically increase performances of 3D rendering used by architects without expensive additional hardware investment by distributing rendering services using Grid technologies.

Nowadays invitations to tender, in architectural business area, request from the respondent more reactivity and quality than ever. Firms of architects have in general a period varying between few days to several months in order to produce graphical pilot studies. The graphical quality of these pilot studies is a critical factor in the evaluation of the entire project. The more a project will be original, detailed, and realistic, the more it will have chances to win the tender.

Nevertheless, in this process, architects clearly identify the rendering phase as the bottleneck. This operation is quite time consuming due to the size of the source graphical model to be computed.

Improving significantly the performance of rendering operations, represents an opportunity for architects to reduce the time dedicated to the rendering and to increase the quality of the produced rendering.

Grid resources represent a great opportunity to solve this kind of problem by adapting rendering application to the Grid environment. The objective of the experiment is to adapt existing rendering application in order to distribute rendering jobs on a Grid. Existing hardware (personal computers) available in architect firms will be used to build such a Grid to avoid huge investment in costly infrastructure.





Both performance and flexibility will be evaluated as many platforms will be involved: CETIC cluster, FPMS cluster, Art&Build desktop workstation network and Grid5000



CETIC has ...

- A Cluster
 - 38 nodes
 - 74 processors
 - 160 GB RAM
 - 10 TB disk storage



- A number of pilot Grid applications
- A team of motivated researchers and engineers





CETIC is looking for ...

- Deployment of generic, gLite based Grid Platform to:
 - run applications
 - administer the resources
 - launch experimentations
 - enable prototyping of research results
- Collaborations with EGEE Project!





Sponsorisé par



dimanche 1 octobre 2006 de 10h à 17h Journée Découverte Entreprises

L'événement-référence du monde des entreprises en Belgique

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CETIC

Venez célébrer avec nous les 5 ans du CETIC!



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Spécialisé dans les Technologies de l'Information et de la Communication (TIC), le CETIC est un centre de recherche appliquée et de transfert de technologie au service des entreprises. Nous vous attendons ce 1 er octobre, de 10h à 17h pour vous faire découvrir les applications de nos recherches...

Pour de plus amples informations, consultez notre site internet www.cetic.be

Jobs

Ingénieur r&d en conception de systèmes sécurisés Ingénieur r&d en qualité logicielle

Ingénieur r&d en systèmes électroniques

Ingénieur r&d en grid et peer-to-peer



I Accès illimité



Accès limité



| Non accessible