A Surrogate Framework for Personal Profile Devices
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THESIS DESCRIPTION

Hypothesis: Mobile clients (PDAs) can participate in SORCER.grid network as fully “fledged citizens”.

OBJECTIVE/APPROACH

Solution:

- Provide a service gateway for mobile clients that act as a service consumer from the SORCER.grid
- Develop a surrogate framework for mobile clients that act as a service provider to the SORCER.grid

SCHEDULE

Key development milestones for 2004:

1. Proposal Presentation  02/12
2. Develop UI for mobile client  03/19
3. Develop Gateway  04/02
4. Develop surrogate  04/20
5. Case Study with Demo  05/25
6. Thesis Defense  by 06/01

MISCELLANEOUS SUPPORTING DATA

Benefits:

1. Distributed use of vast resources anywhere, anytime by PDAs
2. Resource constrained mobile devices can now act as both service provider and consumer in the SORCER grid
3. Provides a generic framework for integrating mobile clients with the SORCER grid
4. Secure, portable, scalable, and standards based grid computing for PDAs