



Pervasive Collaborative Computing Environment



MICS/SciDAC Program Name

The Novel Ideas

- Focus on providing collaboration tools that enable connectivity and collaboration on a day-by-day basis
- Develop workflow tools that will enable coordination of Grid computing processes and human tasks in a workflow framework
- Leverage off of the Grid computing environment (e.g. security and directory services)
- Support the continuum of collaborative interaction

Impact and Connections

- IMPACT:
 - A persistent operating environment that facilitates day-to-day operations within collaborations
 - Natural collaboration capabilities for solving computation-based problem
 - Readily available building blocks that focus on typical problems found in scientific collaborations
- CONNECTIONS: DOE Science Grid and Supernova Factory

Milestones/Dates/Status

- The primary goal of this project is the development of the Pervasive Collaborative Computing Environment
- Workflow development:

| | |
|-------------------------------|------|
| - Installation of Condor-G | Year |
| - Develop underlying services | 1 |
| | 1&2 |
- Collaboration capabilities:

| | |
|--|---|
| - Integration of Grid services | 1 |
| - Secure human interaction environment | 2 |
| - Support for asynchronous collaboration | 3 |
- Integration of components:

| | |
|---|---|
| - | 3 |
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