

Grid TSRP Applications Sub-Theme OVERVIEW

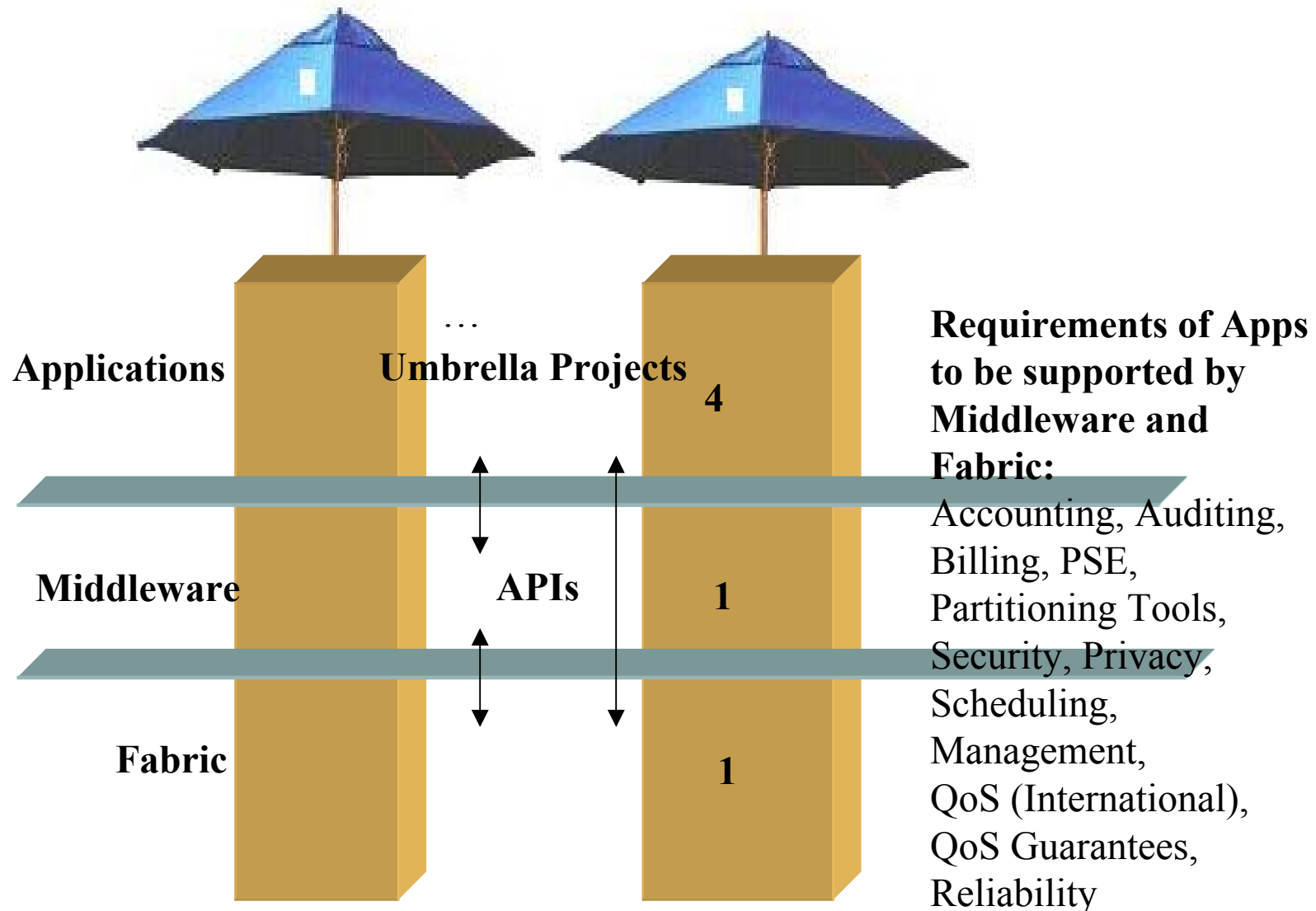
Jit Biswas, I²R
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Grid Applications Sub-theme

Overarching Questions

- Why research on Grid?
- What are we looking for?
- What is our success criteria?
- How do we create impact?

Synergy between subthemes & Collaboration within Applications subtheme



Grid Applications Sub-theme Presentations



- A Generalised Application Deployment Framework for An Abstracted, Service-oriented Scientific Grid focusing on Life Science Applications (**Tan Tin Wee, NUS Biochemistry**)
- GridBLAST: HighThroughput BLAST on the Grid (**Arun Krishnan, BII**)
- Grid Computing Platform for Supply Chain Decision Support System (**Malcolm Low, Simtech**)
- Complex Design in Science and Engineering (**Ong Yew Soon, NTU**)
- Enabling Engineering Collaboration with Grid Computing (**Bok Shung Hwee, NUS FoE**)
- Semantic Grid for Augmentation of the Human Intellect (**Robert Gay, ASPC**)

CHAPEL on GRID (ESI Dept. I2R)



CHAPEL: Connected Home for Aging Populations' Enhanced Living

CHAPEL focuses on developing context-aware assistive systems for the elderly who live in connected residential environments where computing resources and intelligent appliances are connected indoors and accessible to/from outdoors.

- Issues concerning deployment of services over Grid
- Remote data collection and control
- Privacy issues concerning observability and tracking
- Micro payment and billing issues
- Utility model for services