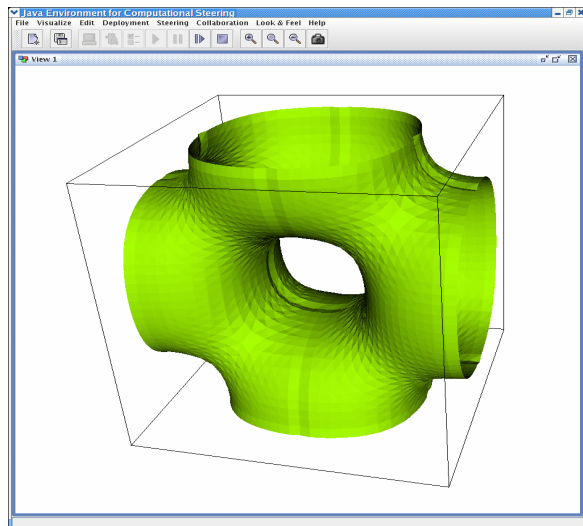# ProActive

Programming, Composing, Deploying on the Grid
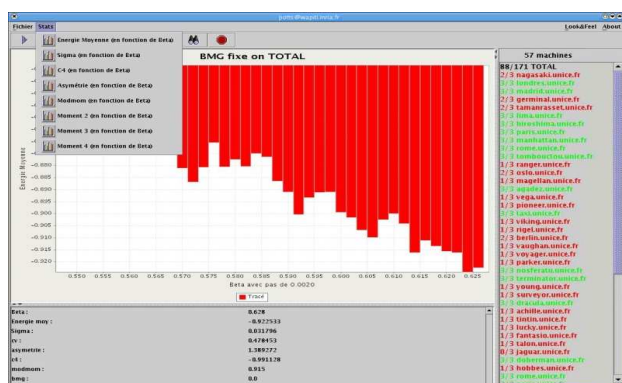
Open Source Middleware for the Grid

A Grid Middleware for:

- Clusters
- Local Area Network
- Internet GRID
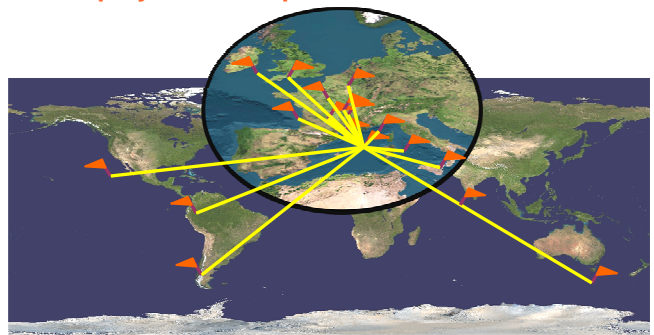- Peer-to-Peer Intranet
- SMP

Applications and Demos :

- 3D Electromagnetism
- Matrix Multiply
- Mobile Agents
- Distributed Monte-Carlo Simulation
- Computational Biology: Blast
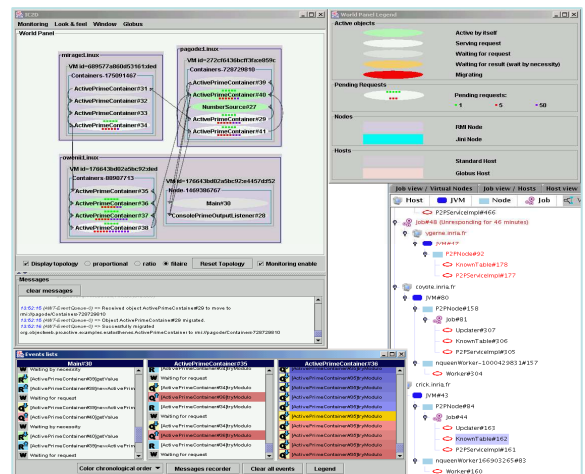- Painless Globus Deployment

ProActive Grid Plugtests

Deployed on 600 processors at once !
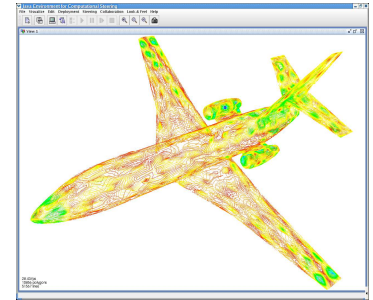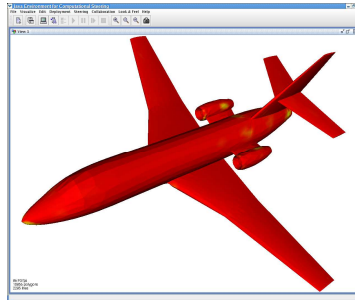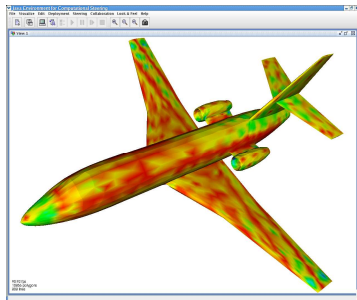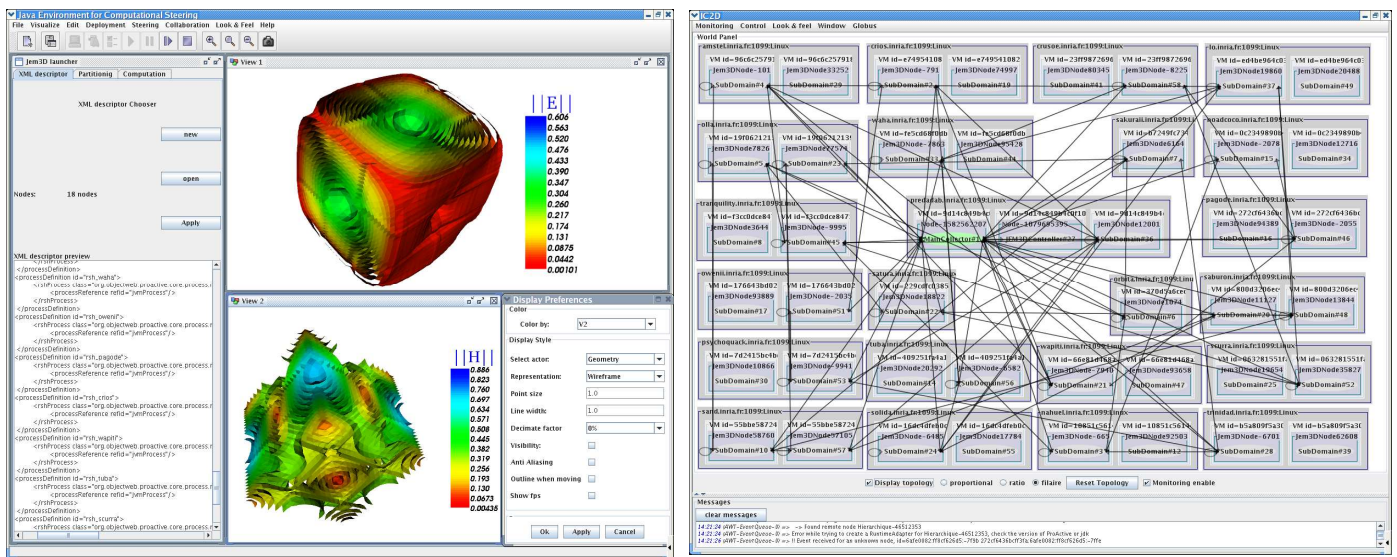

Main Features:

- Asynchronous RPC
- Mobile Agents, Groups
- Security, Components
- Collaborative Applications
- OO SPMD

ProActive and Standards:

- Web Service Exportation
- HTTP Transport
- SSH, RSH, RMI/SSH Tunneling
- Globus GT2 and GT3, sshGSI
- LSF, PBS, Sun Grid Engine

JECS – JEM3D:
A Java Environment for Computational Steering Java Electro Magnetism

ProActive is member of the
ObjectWeb Open Source consortium

http://ProActive.ObjectWeb.org/

OASIS

Active Objects, Semantics, Internet, and Security

Joint Project University of Nice Sophia Antipolis - INRIA - CNRS - I3S

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