

Puppies

Proposal for an ESPRIT project to architect and pilot a software architecture for distributed applications in global networks.

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Project Plan

- **Market drivers**
- **New software paradigm**
- **Exploitation**
 - architecture
 - tools and components
 - partners



Market Drivers

- **Business-to-business electronic commerce**
 - e.g., JIT manufacturing
- **Mobile users**
 - e.g., integrated messaging
- **Network computers**
 - e.g., Oracle
- **New service providers**
 - e.g., Marimba



New Approach

- **Applications in Global Networks:**

- Process-driven cf. Data driven
- Mobile
- Global
- Shared
- Multi-media
- Interactive

- **Agents**

- Autonomous
- Distributed
- Declarative
- Self-aware
- Adaptive



New Paradigm

- **Reflection**
- **Federation**
- **Event + state computational model**
- **Constraint-based**
- **Accessible behavior and relationships**



Architecture

- **Provide a framework for**
 - companion projects
 - seedware
 - specifications
 - standards
- **Promote an open solution**
 - greater integration with other technologies



Partners and Benefits

- **APM**
 - project management
 - architecture (to benefit ANSA sponsors)
- **UWE**
 - environment for testing advanced agents
- **Network Operator**
 - innovative user services
- **Client/server tools vendor**
 - tools and components
 - collaborative applications



Staged Pilots

- Concrete examples to test ideas, demonstrate results
- Integrated messaging
 - email, voice mail, SMS inter-operability
- Collaborative Lotus Organizer
- Business progress agents
 - ordering parts just in time from suppliers

