Technical Progress

13 Oct 97

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Overall Progress Summary

- Framework development ahead of schedule
  - major code & documentation release now
  - plan to use this in FollowMe

- Secure sessions designed and key code implemented

- Reviewed Java deployment architectures

- Declarative specification work continues
  - analysed problem in detail, and produced early prototypes
  - increased scope to include some "optional" areas
    - Federation between organisations, environment specification
  - deferred interim deliverables until next TC
    - "ODP for Deployment", "Specifying deployment information"

FlexiNet ORB Highlights

- Highly transparent reflection

  - Pure JAVA - no additional development tools required

- Remote Method Invocation

  - Open implementation

  - Minimalist API - *easy to use*

- "Plug in abstractions"

  - Late binding - *this TC*

  - negotiation, transactions, security - *in progress*

Deliverables since last Meeting

- DIMMA
  - DIMMA 2.01 Code Release
  - 2063 DIMMA Design and Implementation
  - 2046 DIMMA Performance Analysis
  - 2037 Writing a DIMMA Application
  - 2036 Building DIMMA 2.0
  - 1980 DIMMA Tracing
- FollowMe
  - 2075 Technical Annex

Deliverables since last Meeting

- **FlexiNet**
  - FlexiNet Open ORB Framework 1.0 Code Release
  - 2057 FlexiNet Binding Framework
  - 2047 FlexiNet Open ORB Framework

- **Investigations & Demonstrations**
  - 2038 Java Distribution and Deployment
  - 2013 A Demonstration of a Flexible Network Architecture
  - 2002 Extensible Kernel Investigation
  - 1989 Comparison of Autonomous Mobile Agent Technologies
  - 1977 QoS Investigation

Topics for Technical Committee

- **FlexiNet**
  - Engineering Framework
  - Binding
  - Transactions
  - Forward Planning

- **Other**
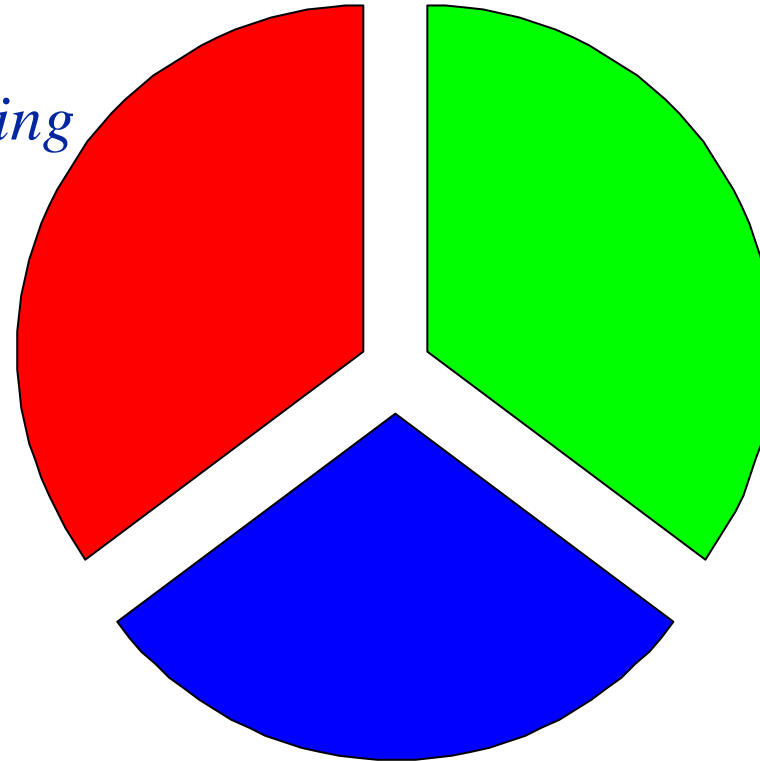 - DIMMA Update
  - Marimba
  - Object Monitor
  - Pegasus Update
  - Java Application Architectures
  - Engineering Security
  - Declarative Security Policies

Oct 97 - Oct 98

FlexiNet
- Declarative Binding
- Transactions

FollowMe
- Personal Information Space

FlexiNet + FollowMe
- Extensible Mobile Object Platform