

Fuego Toolkit: A Modular Framework for Content-based Routing

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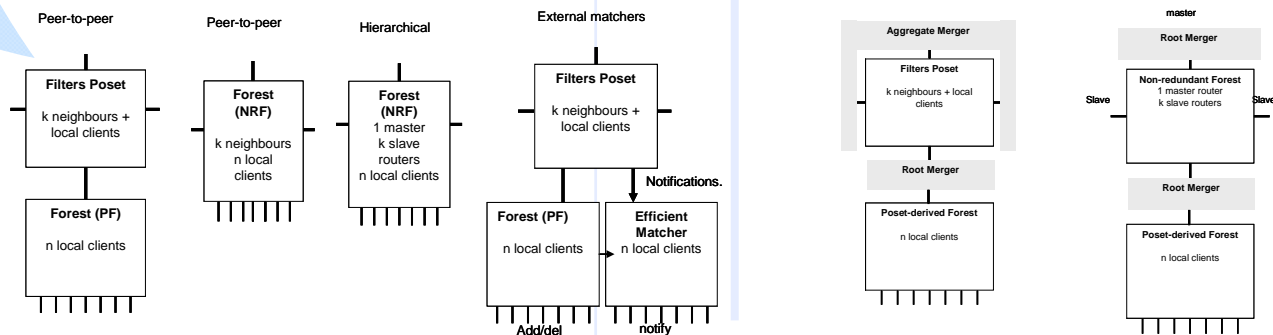
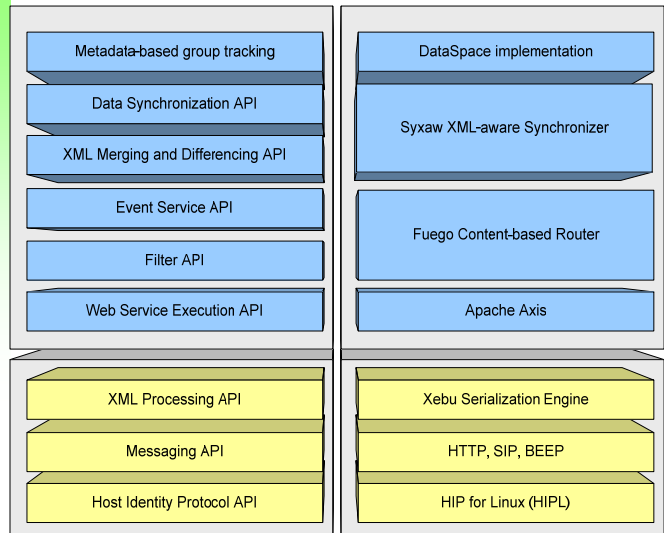
Introduction

- Content provisioning and delivery are becoming increasingly popular and important.
- Open Source Fuego content-based routing toolkit was developed at HIIT between 2002 and 2007
- **Components include:**
- Extensible router core
- Data structures: forest, poset, and variants
- Filter merger
- Filter partitioner
- Mobile support (J2ME)

Overview

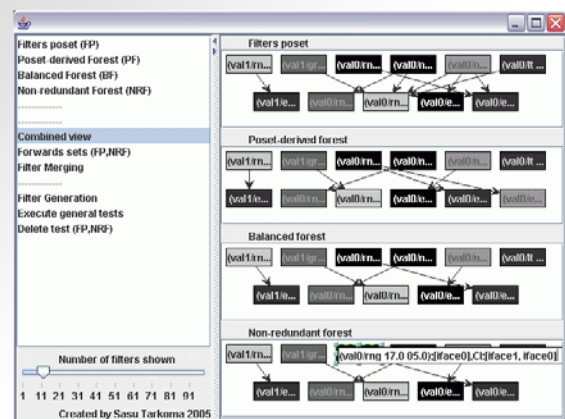
Application Programming Interfaces (APIs)

Implementations



Event Service

- The client-side API is similar to JMS and includes session management
- The server-side provides a framework for content-based routing with optimizations for mobility support
- Generic router implementation allows pluggable routing algorithms and routing table user interfaces
- Server functionality is split into two parts: routing module and local client module
- Routing topologies such as hierarchical, peer-to-peer, and clusters are supported by the toolkit
- The default filtering language is based on typed tuples and supports the determination of covering and overlapping relations
- The server has a Web interface for inspecting routing tables and information pertaining to local clients



More information:

www.cse.tkk.fi/Datacommunications/Research/Software