Universal Wire
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Browse, Control and Enhance your Service-Oriented Architecture

Hierarchical Information Browser

Collaborative Markup Editor

Report Service

Queue Service

Job Control
Architecture

Client

Hierarchical Information Browser

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Job Control

Servers

Content Management
Database
LDAP
Text Index
Link Manager
etc.
Architecture Peer-to-Peer
Peers can be LAN or over HTTP
Browser can be split into applet/servlet
Architecture Peer-to-Peer

| peer | peer servlet | web relay | peer | peer | editor |

browser

www

applet

action scripts

scripts: make service.

service: on a peer.
Architecture Model/View/Controller

1. Send Action (name, Xpath, parameters)
2. Request Home Page
3. Select Node
   - Match Actions to Node
   - Select an Action
   - Display Parameter box
   - Provide Parameter

Model (Service: Scripts) Controller View (GUI)

Send Request
Send Response

Send Response

Hierarchical Information Browsers

Report Service
Service

Service implemented by a collection of scripts

Uses Beanshell: a dialect of Java

Script (plugin) provides:

* Name of Service
* Display name of Action
* Xpath for which nodes to attach to
* Local or Remote
* List of Parameters (and types: int, string, enum, filename...)
* GUI Pane (Start menu, Tree, Attribute)

If the service is *only* implemented by scripts (i.e. no back end) then it can be added to the Browser by copying a file.