Taverna: A workflow environment

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Requirements

Architecture
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- Consume any open service.
- Quickly find new services.
- Multi-tiered architecture to allow plug-in creation.
- Fault Tolerance - exit gracefully on service failures.
- Store provenance of data with data.
Taverna Architecture

- Data Model
- Plug-in Service interface - For creating and managing request in different protocols.
Data Model

- Application Data Flow Layer - Creates workflow for
- Execution Flow Layer - Hides data details from user, such as iterating through lists.
- Process Invocation Layer - Formates requests and invokes concrete services.
Architecture Components

- Service Discovery/Registry
- Workflow Creation
- Request Creation and Management