Taverna 3 architecture and code base

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Architecture
Taverna Platform

taverna-scufl2 Workflow language and API
taverna-databundle Data Bundles (workflow runs)

taverna3-osgi-services OSGi services for XML handling
taverna3-commons Plugins/services/configuration
taverna3-platform API wrapping execution engine
taverna-starter API for using platform outside OSGi

taverna-maven-archetypes Creating Taverna plugins
taverna3-maven-plugin Packaging Taverna 3 plugins
Taverna Platform in Incubator

**Suggested:**

- **taverna-language** (scufl2, databundle)
- **taverna-engine-api / -impl** (platform-api, engine-core, core activities)
- **taverna-engine-common-activities** (wsdl, rest)
- **taverna-engine-product** (use platform outside OSGi)
- **taverna-plugin-*** (e.g. biomart)
Taverna Engine

taverna-engine-core Execution Engine core
taverna-engine-referencetypes Reference management
taverna-engine-credential-manager Security credentials
taverna-prov W3 Provenance export for Taverna
taverna-stringconstant-activity, taverna-dataflow-activity, taverna-beanshell-activity, taverna-script-activity Core activities
Taverna activities

taverna-component-activity Wrap workflow as reusable/updatable/shareable component
taverna-interaction-activity User interactions (web-based)
taverna-rest-activity RESTful web services
taverna-wsdl-activity WSDL SOAP 1/2 Web Services
taverna-xpath-activity Select parts of XML
taverna-jsonpath-activity Select parts of JSON
taverna-spreadsheet-import-activity Load spreadsheet data
taverna-rshell-activity Execute R script
taverna-external-tool-activity Execute command line tools (ssh+local)
Taverna bioinformatics activities

taverna-soaplab-activity
taverna-biomart-activity
Discontinued activities

.. or any volunteers?

taverna-biomoby-activity
taverna-apiconsumer-activity
Taverna Workbench

taverna-ui-api Workbench User Interface API (menus, file opening, clipboard, perspectives)
taverna-ui-impl Workbench User Interface implementations, main window
taverna-ui-components Workbench components (diagram, explorer, results)
taverna-ui-exts Workbench extensions (looping, renderers, shortcuts)