Products

Product	Description	Dependencies	Status
kurator-akka	Embeddable, lightweight workflow engine and specification language employing the Akka actor framework, with bindings to other Kurator products, and providing support for provenance-enabled automation of workflows comprising data cleaning and biodiversity data analysis steps.		ACTIVE
kurator-akka-gui	Installable web application and browser-based user interface for (a) composing and executing workflows using the kurator-akka platform, or (b) manually executing a sequence of workflow steps implemented as remote service calls.		PROPOSED
yesworkflow	Tool for interpreting special comments in a conventional script (written using R, Python, etc) that declare the dataflow aspects of the script. YesWorkflow will enable the provenance of the results of curation scripts (using e.g., the kuration-python, kuration-r packages) to be inferred and reported without using a scientific workflow management system (such as kurator-akka, Taverna, RestFlow, or Galaxy).	YesWorkflow.org	ACTIVE
kurator-restflow	Full-featured workflow engine based on RestFlow, with bindings to Kurator products, with support for provenance-enabled automation of workflows comprising data cleaning and biodiversity data analysis steps, and providing features for automatically organizing intermediate and final data products in a directory hierarchy.	RestFlow	PROPOSED
kurator-galaxy	Suite of Galaxy tools providing integration with other Kurator products and enabling authoring and execution of curation workflows via the Galaxy web interface.	Galaxy	PROPOSED
kurator-actor-container	Framework for developing actors that run in multiple workflow systems (kurator-akka, RestFlow, Galaxy, etc) without modification, and supporting actor 'black-box' implementation in Java, Groovy, Python, bash, perl, R, and other languages as needed.		PROPOSED
kurator-python	Python package providing tight integration with other Kurator products and supporting provenance-enabled scripting of data cleaning workflows.		APPROVED
kurator-r	R package providing tight integration with other Kurator products and supporting provenance-enabled scripting of data cleaning workflows.		PROPOSED
kurator-ruby	Ruby package providing tight integration with other Kurator products and supporting provenance-enabled scripting of data cleaning workflows.		PROPOSED
kurator-notebook	IPython 'magics' for running kurator components and workflows from within IPython and IPython Notebooks.		PROPOSED
kurator-packager	Framework for packaging kurator actors, workflows, and other products; deploying and executing packaged components as actors for multiple workflow systems, as command-line executables, as language-specific libraries, and as RESTful services deployed to web containers; and for publishing and installing these packages via standard delivery mechanisms including brew, apt-get, yum, maven, ruby gems, etc.		APPROVED
kurator-prov	Model, schema, database, client library, and command-line tools for storing and querying provenance recorded by Kurator components, workflows, and scripts during individual workflow runs.		APPROVED
kurator-project-histories	Common framework for managing, exploring, and querying provenance captured from multiple kurator workflow runs associated with a single project.		PROPOSED
kurator-filtered-push	Kurator components for creating annotations on specimen and observation records and submitting them to a FilteredPush network from the command line, from scripts, and from workflow systems.	FPush client integration	APPROVED
kurator-date-validator	Kurator components for validating and updating the collection event date fields in one or more specimen or observation records from the command line, from scripts, and from workflow systems.	FPush date validator	APPROVED
kurator-name-validator	Kurator components for validating and updating the scientific name fields in one or more specimen or observation records from the command line, from scripts, and from workflow systems.	FPush scientific name validator	APPROVED
kurator-georef-validator	Kurator compoents for validating and updating the coordinates fields in one or more specimen or observation records from the command line, from scripts, and from workflow systems.	FPush georeference validator	APPROVED
kurator-ws-wrappers	Kurator components for invoking diverse biodiversity data curation and analysis web services from the command line, from scripts, and from workflow systems; with support for caching results, handling retries and timeouts, and failover to alternative services.	BiodiversityCatalogue	APPROVED
kurator-data-access	Kurator components for retrieving records and data sets from internet-accessible biodiversity data sources.		PROPOSED
kurator-identifier	Kurator components for looking up the identifier (e.g. DOI, UUID) for an arbitrary biodiversity-data related object.		PROPOSED