

# Products

Product	Description	Dependencies	Status
<a href="#">kurator-akka</a>	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).	<a href="#">YesWorkflow.org</a>	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.	<a href="#">RestFlow</a>	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.	<a href="#">Galaxy</a>	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.	<a href="#">FPush client integration</a>	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.	<a href="#">FPush date validator</a>	APPROVED
<a href="#">kurator-name-validator</a>	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.	<a href="#">FPush scientific name validator</a>	APPROVED
kurator-georef-validator	Kurator components 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.	<a href="#">FPush georeference validator</a>	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.	<a href="#">BiodiversityCatalogue</a>	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

