

Methods Included

Standardizing Computational Reuse and Portability with the Common Workflow Language

Supplementary Information

Relevant Links

- [Common Workflow Language Standards, v1.2](#)
- [European Open Science Cloud for Research Pilot Project](#)
- [Curi](#)
- [DNAexus](#)
- [IBM Spectrum LSF](#)
- [Illumina Connected Analytics](#)
- [Seven Bridges](#)
- [Galaxy: The first 10,000 pubs](#)
- [Existing Workflow Systems](#)
- [Interactive Parallel Computing with IPython](#)
- [ctypes—A foreign function library for Python](#)
- [Common Workflow Language \(CWL\) Command Line Tool Description, v1.2](#)
- [How the CWL Command Line Tool standard specifies that tool executors should setup and control the runtime environment](#)
- [Common Workflow Language \(CWL\) Workflow Description, v1.2](#)
- [Common Workflow Language \(CWL\) Workflow Description, v1.2, Workflow](#)
- [Workflow Success and Failure](#)
- [CWL Upgrader 1.2.2](#)
- [CWL 4.3.10 Work Reuse](#)
- [Open Stand](#)
- [What can execute CWL descriptions?](#)
- [Implement a subset of the CWL](#)
- [11.6. pegasus-cwl-converter](#)
- [Development Tools](#)
- [Language Server Protocol](#)
- [Ajax Command Definitions as produced by the EMBOSS tools](#)
- [XML-based Common Tool Descriptors originating in the OpenMS project](#)
- [Cwl-utils 0.13](#)
- [Common Workflow Lab, CWL Java](#)
- [See the *codegen*.py files](#)
- [common-workflow-language / cwlprov](#)

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