Globus Automate: A Distributed Research Automation Platform

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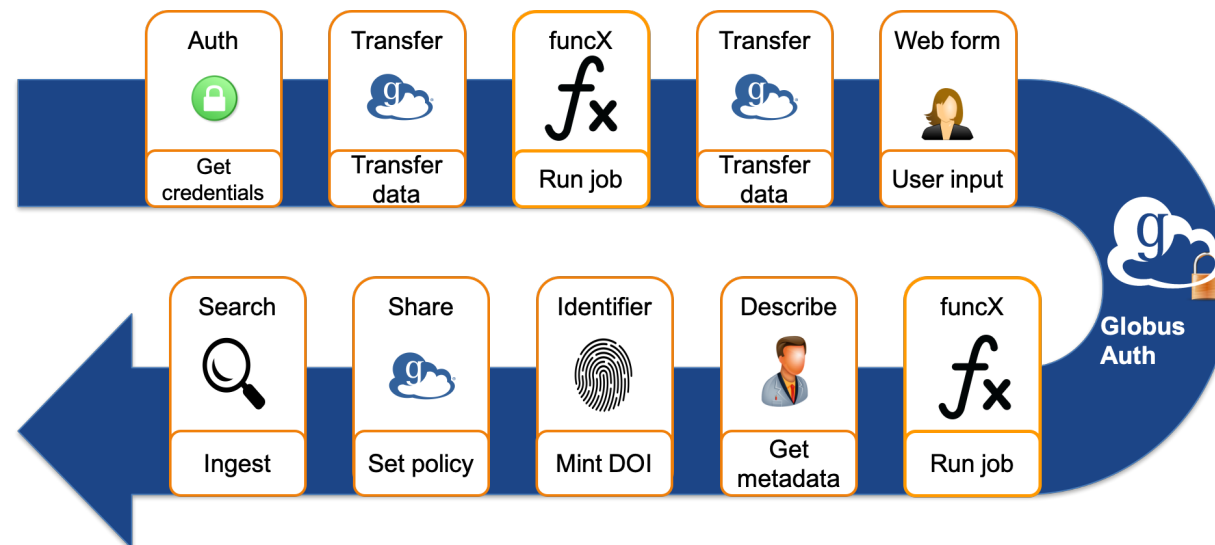
Motivation

- Enable reliable, secure and managed orchestration of research data manipulation tasks

Key Features

- Composition and execution service

- High-level language and authoring tools

- Pluggable API to integrate any actions

- Flexible invocation of actions

Metrics

- Flow authors: 10; Unique flows: 98; Action providers: 10

Neuroanatomy reconstruction flow

Pilots

- Advanced Photo Source, XPCS

- Neuroanatomy (image reconstruction)

- Materials Data Facility