



ParslFest 2024

Future of Globus Compute

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THE UNIVERSITY OF
CHICAGO



globus

Multi-user Adoption

Globus
Compute

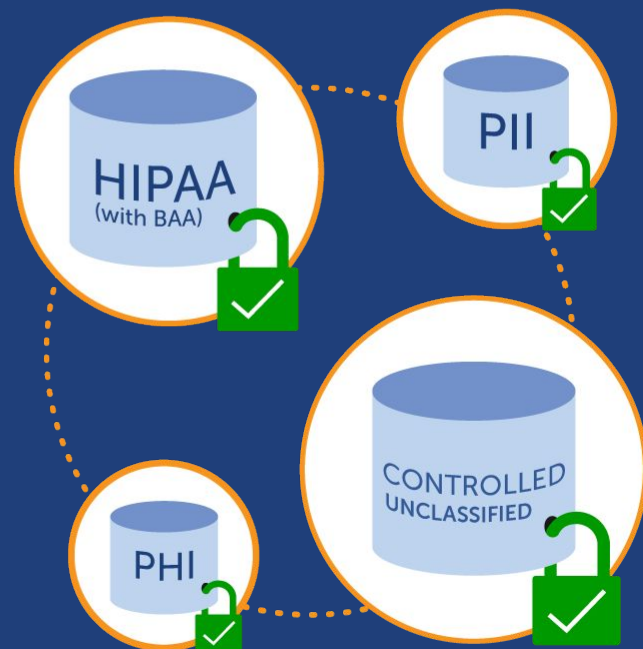


Globus
Compute
Multi-User



High Assurance Support

- Stronger authentication requirements
 - Recent In-Session Authentication
 - Specific Identity Providers
 - MFA requirements
- Support usage with CUI / PHI
- Audit Logging
- Cloud services operational controls



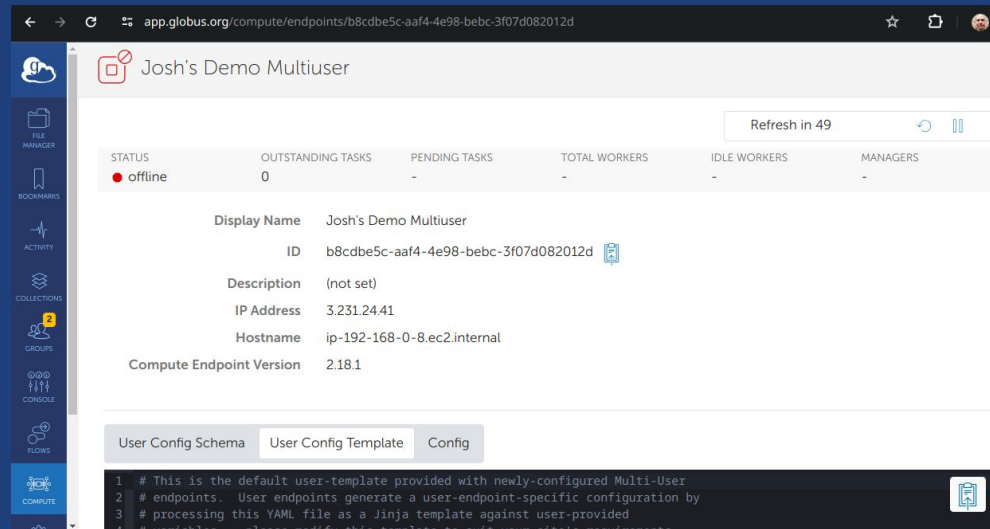


Globus SDK / CLI integration

- **Support for web API calls directly in Globus SDK**
- **Endpoint management through SDK / CLI**
- **Endpoint discovery through SDK / CLI**
- **Better authentication flow handling through Globus App**

Better Webapp Integration

- Improved Monitoring
- Some endpoint management (Deletion, stop, clear queue)
- Better endpoint discovery
- Tighter Flows Integration



The screenshot displays the Globus web interface for a specific compute endpoint. The browser address bar shows the URL: `app.globus.org/compute/endpoints/b8cdbc5c-aaf4-4e98-bebc-3f07d082012d`. The page title is "Josh's Demo Multiuser".

At the top right, there is a "Refresh in 49" indicator and a refresh button. Below this is a summary table:

STATUS	OUTSTANDING TASKS	PENDING TASKS	TOTAL WORKERS	IDLE WORKERS	MANAGERS
● offline	0	-	-	-	-

Below the table, the endpoint details are listed:

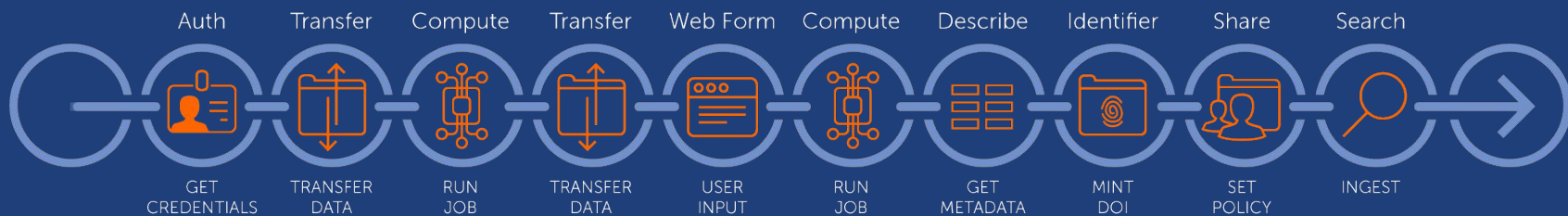
- Display Name: Josh's Demo Multiuser
- ID: b8cdbc5c-aaf4-4e98-bebc-3f07d082012d
- Description: (not set)
- IP Address: 3.231.24.41
- Hostname: ip-192-168-0-8.ec2.internal
- Compute Endpoint Version: 2.18.1

At the bottom, there are tabs for "User Config Schema", "User Config Template", and "Config". The "User Config Template" tab is active, showing a code editor with the following content:

```
1 # This is the default user-template provided with newly-configured Multi-User
2 # endpoints. User endpoints generate a user-endpoint-specific configuration by
3 # processing this YAML file as a Jinja template against user-provided
4 # variables. Please modify this template to suit your site's requirements.
```

Flows Action Provider v3

- Better support for multi-user endpoints
- Improved serialization between AP and endpoint
- Support for resource specification





Thanks to Compute and Parsl Teams

- **Chris Janidlo**
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- **Yadu Babuji**
- **Ryan Chard**
- **Ben Clifford**

Kyle Chard

Questions?