Client-side plug-ins for Tukey

Eric Griffis
Joshua Eisenberg
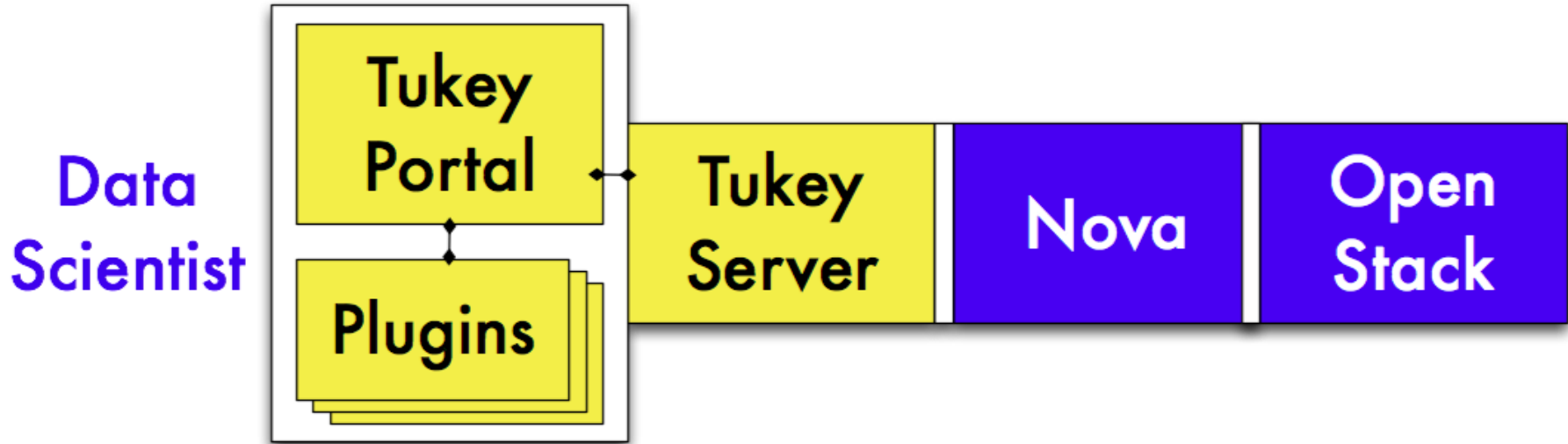
Current State of Tukey

Data Scientist | Tukey Portal | Tukey Server | Nova | Open Stack

- All interaction with OSDC is through command line interface
  - This can be intimidating for researchers

Tukey 2-key

- Provides means for interacting with the cloud via a web browser

Client-side plug-in system

1. Port the existing Nova API wrapper from Python to JavaScript

2. Extend portal Templates to support manipulation by client-side JavaScript

3. Add plug-in management pages to portal

4. Add optional functionality toggles to portal

Reproducible Research Plugin

- A plugin which enables researchers to save and share their machine's configuration and the changes to the data throughout the analysis
- Accessible through web portal