Performance Network

Visualizing the impact of a commit over the performances of the whole project.
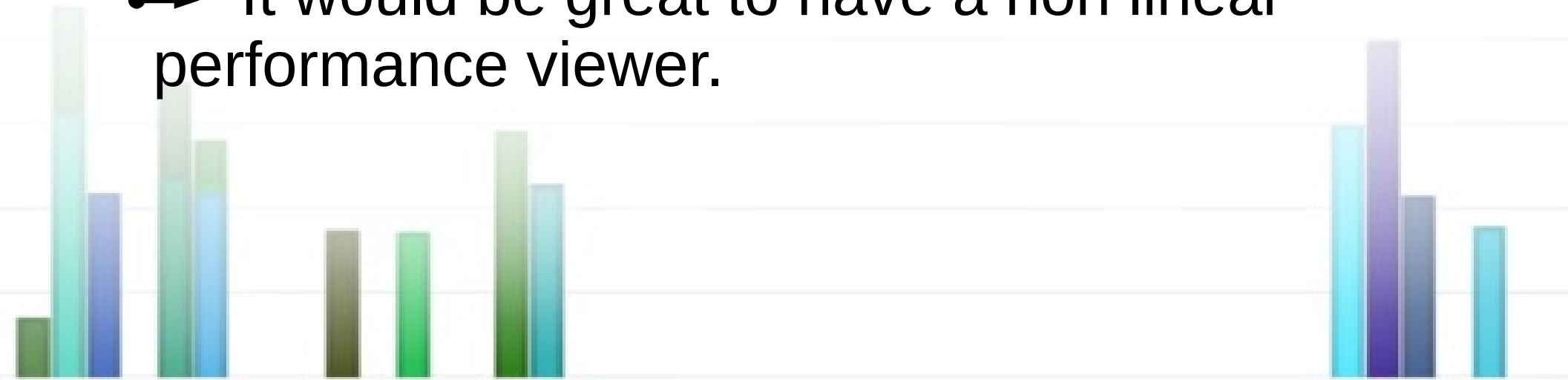
Performance network

- Centralize data from git and a benchmarking server to create a performance graph.

Motivation

- For many products, execution speed is a selling point.

- Project construction is not something linear.

➤ It would be great to have a non linear performance viewer.

What already exist?

- Github network graph.
- ScalaMeter

Demonstration

Why collecting data on the JVM?

- Need to write and read files.

- Cross domain requests.

- Become slow if the repository is big.

- At the cost of some seconds of computation every two hours, it allow the application to start instantly.

On server side

- Generating the network with data from git.

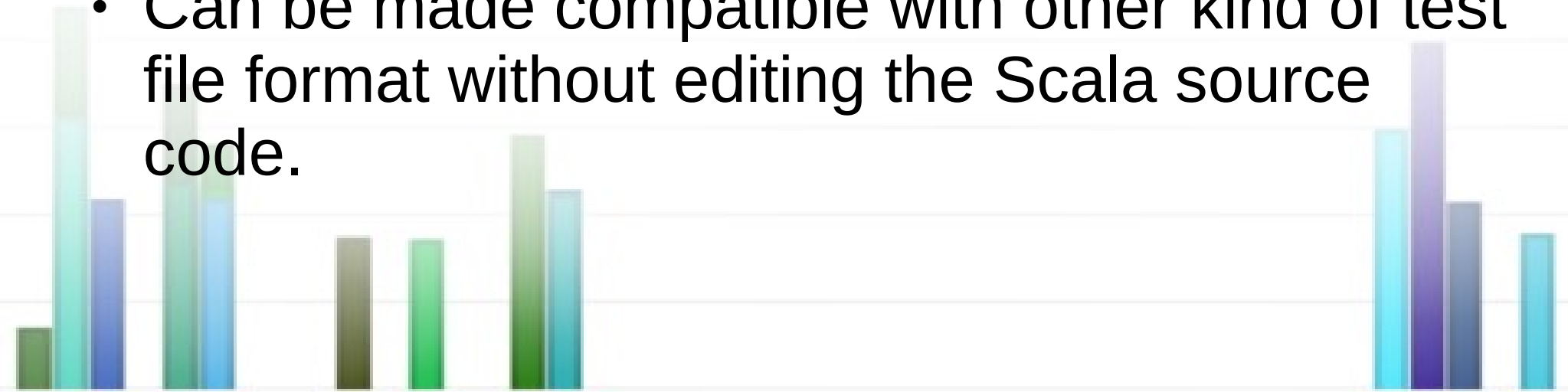- Collecting the data from the test server and parsing them.

On client side

- Artificially spread the commits for better readability.

- Display the data

Integrating the application

- Four vanilla JavaScript structures to control many parameter.

- Possibility to change the git repository and the test server.

- Can be made compatible with other kind of test file format without editing the Scala source code.

Question ?