



A Web Framework for the Shell

Roberto Abdelkader Martínez Pérez

BBVA Innovation Labs



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Two Separate Worlds

The Network World

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The Network World

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The Network World

Two Separate Worlds

Browser

WebService #1

WebService #2



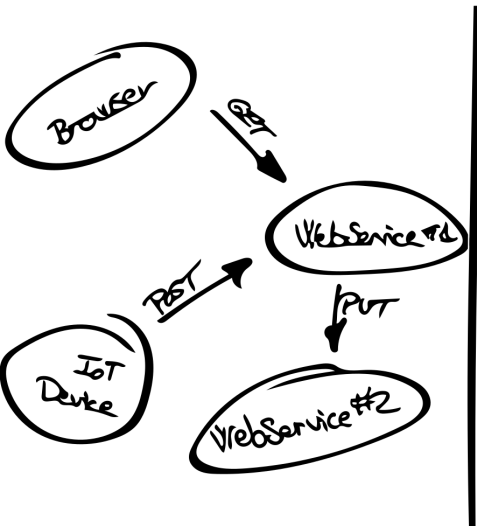
The Network World

Two Separate Worlds



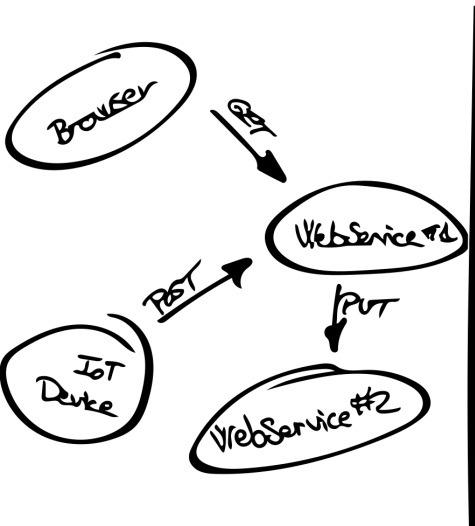
The Network World

Two Separate Worlds



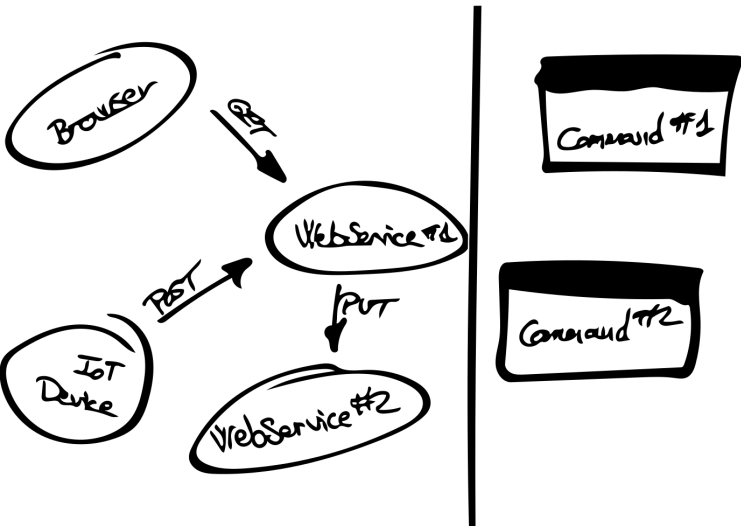
The Command Line World

Two Separate Worlds



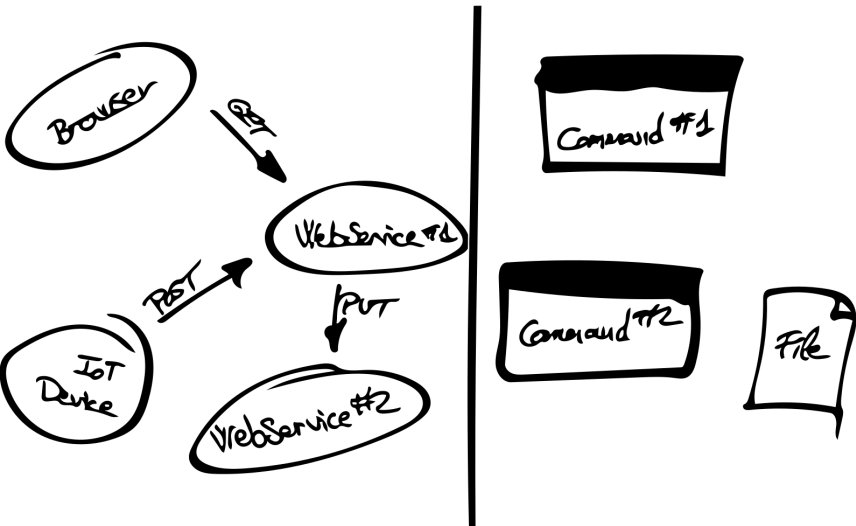
The Command Line World

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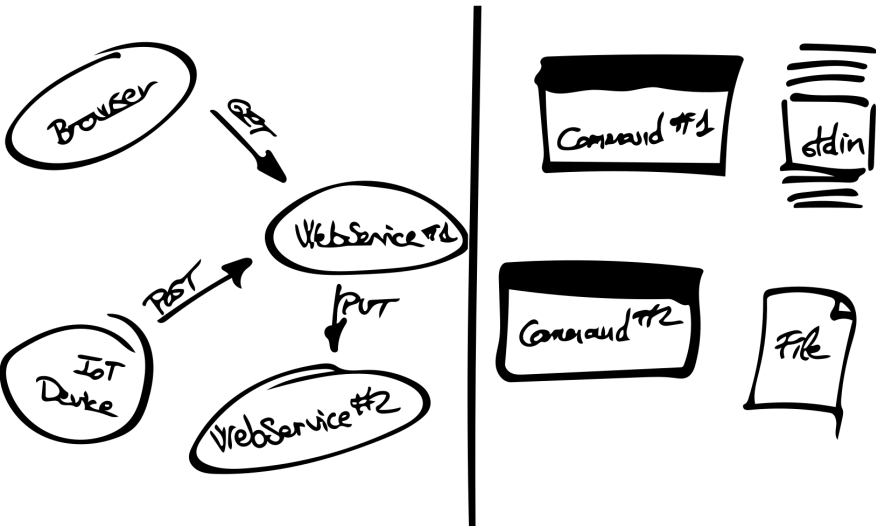
The Command Line World

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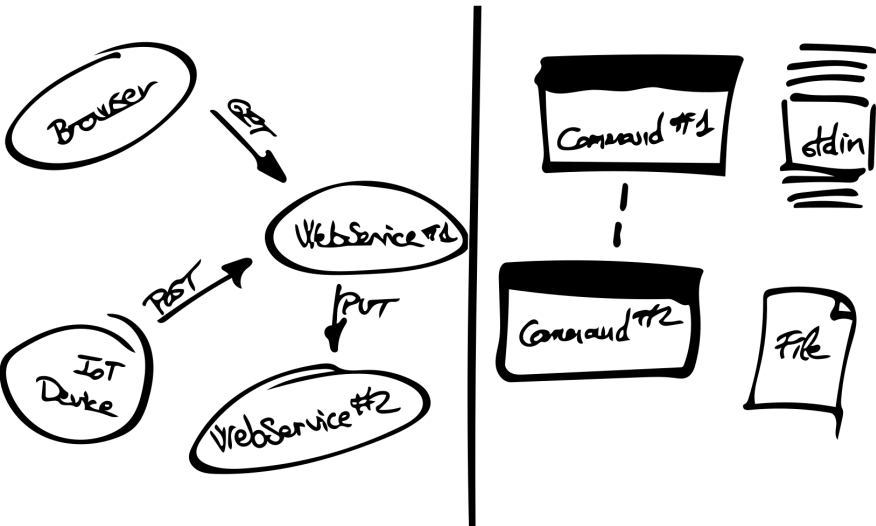
The Command Line World

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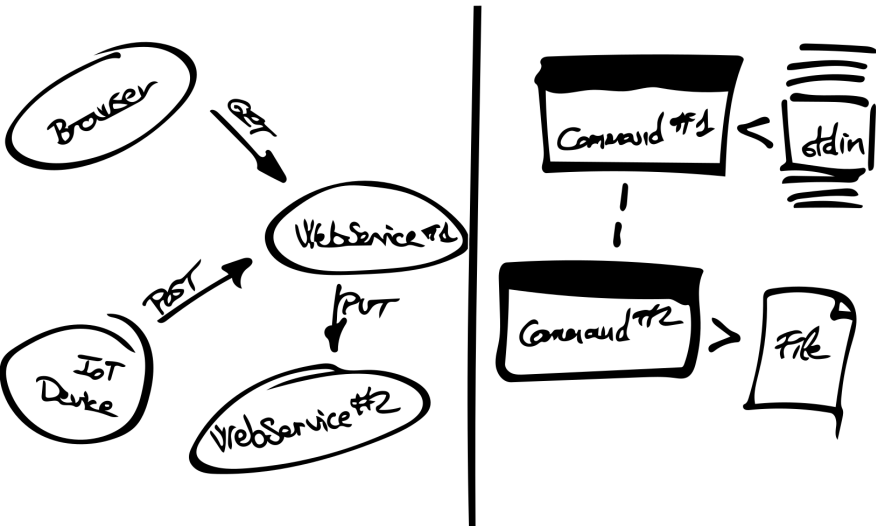
The Command Line World

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The Command Line World

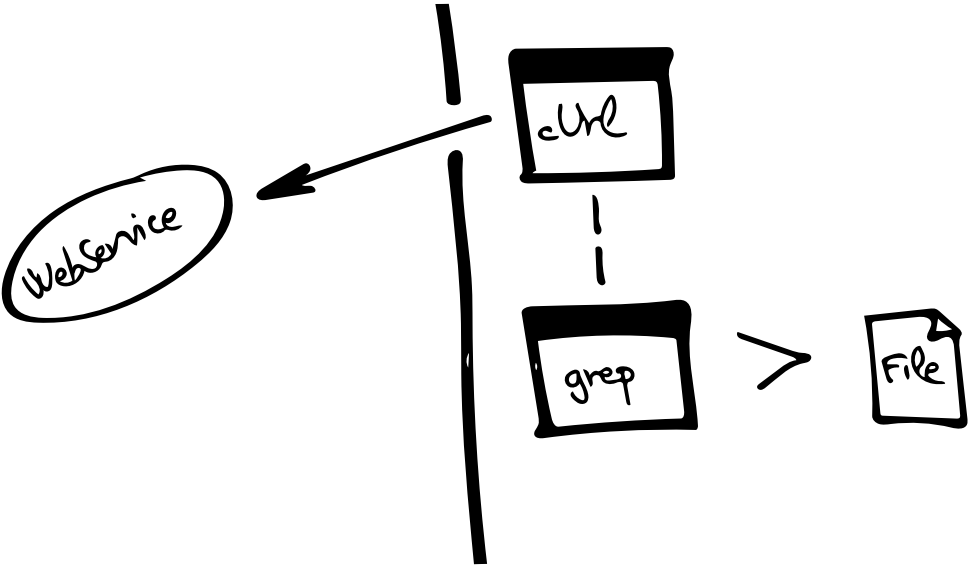
Two Separate Worlds



Network to Command-Line and Back Again

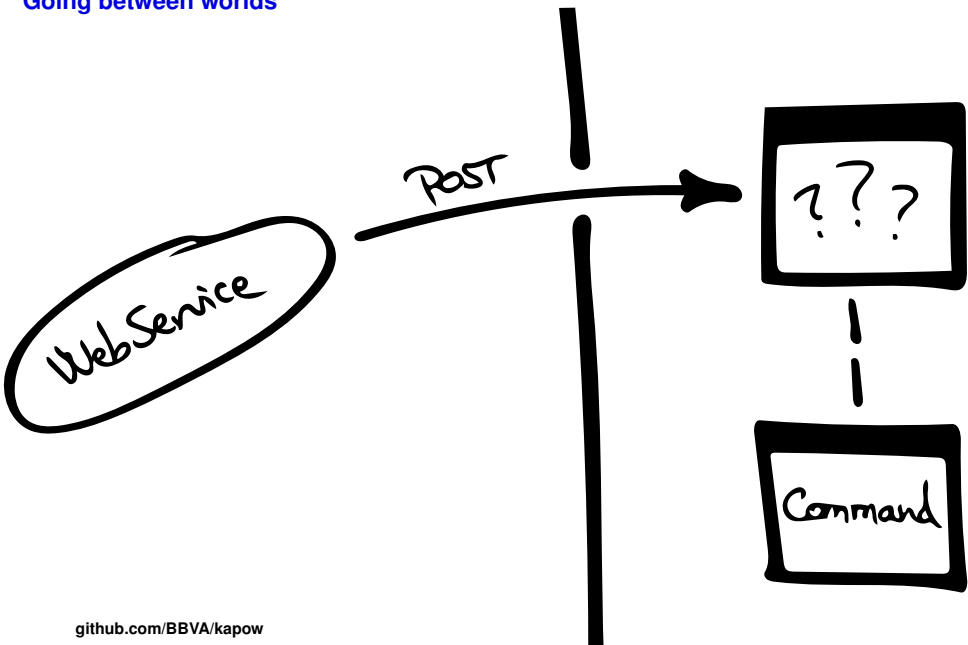
From the Command-Line to the Network

Going between worlds



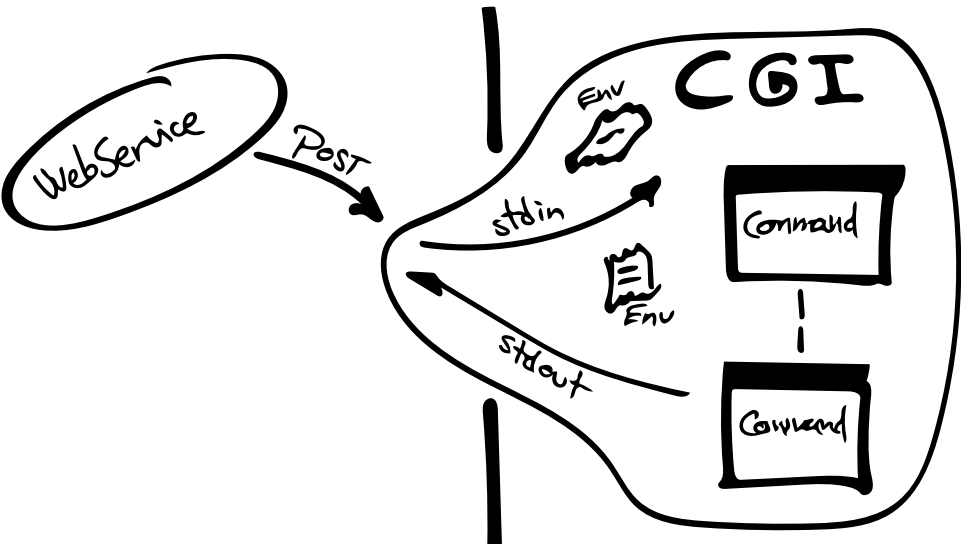
From the Network to the Command-Line

Going between worlds



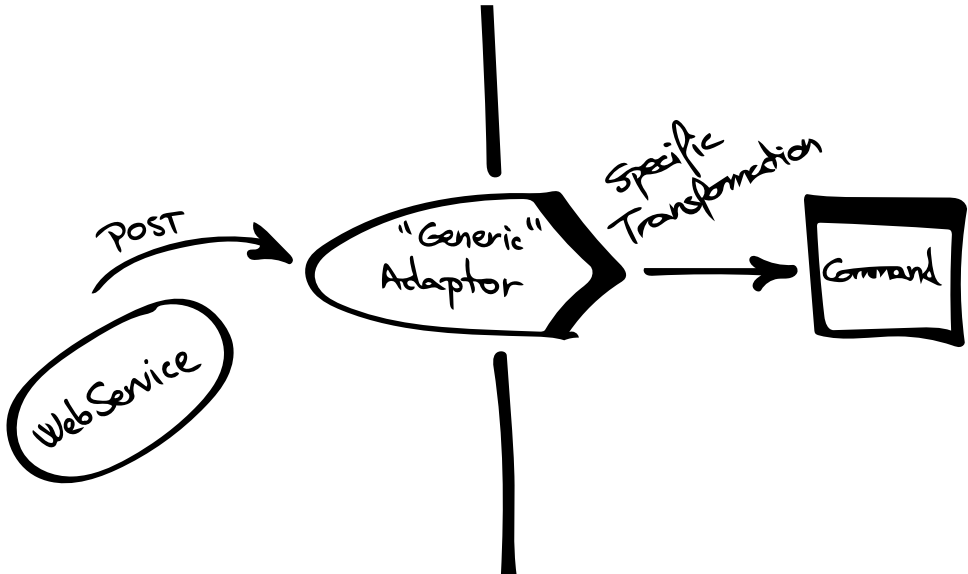
The CGI Approach

From the Network to the Command-Line



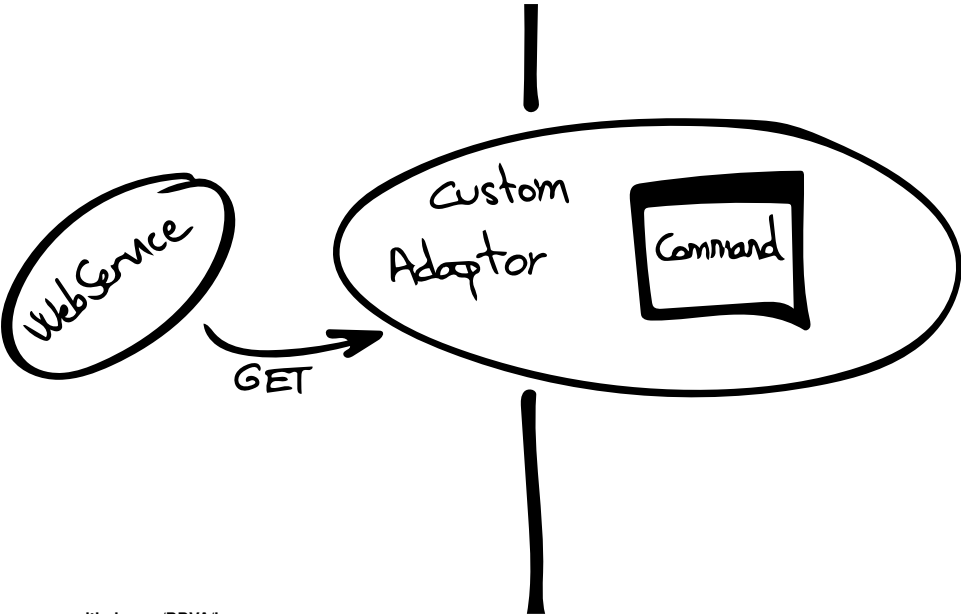
Some Generic-Adaptors Approach

From the Network to the Command-Line



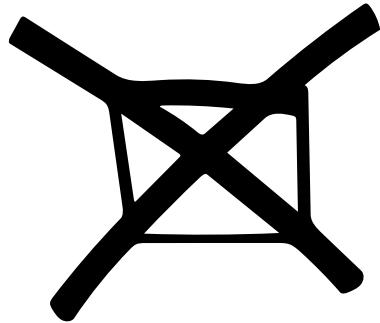
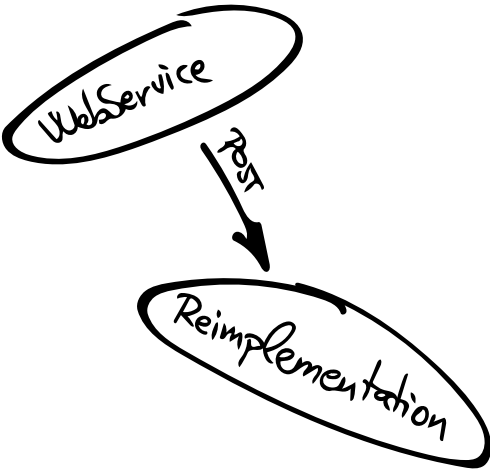
A Custom Adaptor

From the Network to the Command-Line



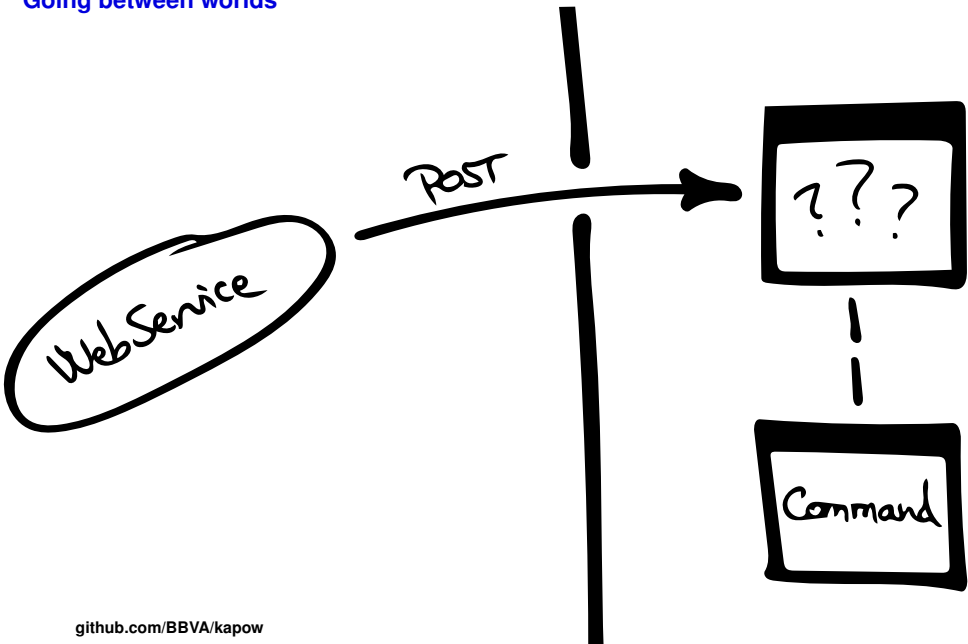
A Complete Reimplementation

From the Network to the Command-Line



Isn't there a better way?

Going between worlds



DEMO

- ▶ For operators
- ▶ For developers
- ▶ For security teams

DEMO

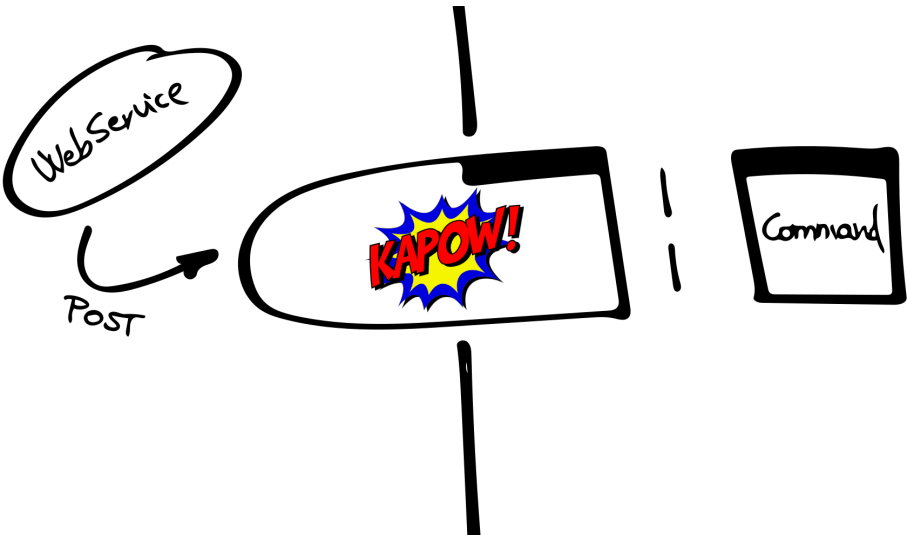
- ▶ For operators
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DEMO

- ▶ For operators
- ▶ For developers
- ▶ For security teams

Kapow! Approach

From the Network to the Command-Line



Features

The Kapow! Project

- ▶ Single static binary distribution
- ▶ Multi-platform (Linux, Windows, Mac)
- ▶ Multi-architecture (386, amd64, arm)
- ▶ Well **documented** and **tested**!

`github.com/BBVA/kapow`

We need your help

The Kapow! Project

- ▶ Try Kapow!
- ▶ Star us on github
- ▶ Share with a friend
- ▶ Join us! We need user, developers, testers, package maintainers...

`github.com/BBVA/kapow`