

SlipStream: Overview

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9 December 2014

Orsay, France



What is SlipStream?

- Platform for managing full lifecycle of applications deployed in (IaaS) cloud infrastructures.
- Provides:
 - “App Store” or application catalog
 - Virtual machine image management
 - Automated application deployment

Welcome to SlipStream

Multi-cloud automated provisioning and image creation

The welcome page provides you with all currently published modules and root modules, including yours and the ones shared with you.

[Home](#) [New Project](#)

App Store ^



rstudio Free

Publisher: sixsq
Description: RStudio analysis server
Version: 175



ubuntu-12.04-standalone Free

Publisher: sixsq
Description: Standalone deployment of Ubuntu 12.04
Version: 201



centos-6-standalone Free

Publisher: sixsq
Description: Standalone deployment of CentOS 6 machine
Version: 200



torque Free

Publisher: sixsq
Description: Torque Batch Cluster
Version: 208



galaxy Free

Publisher: sixsq
Description: Galaxy server for bioinformatics analyses
Version: 209

Projects v



Features

- Multi-cloud
 - Common interface for all cloud infrastructures
 - Can handle deployments bridging clouds
- Flexible
 - Configure and deploy with your usual tools
 - Simple platform for application coordination
 - Use it for test and/or production deployments

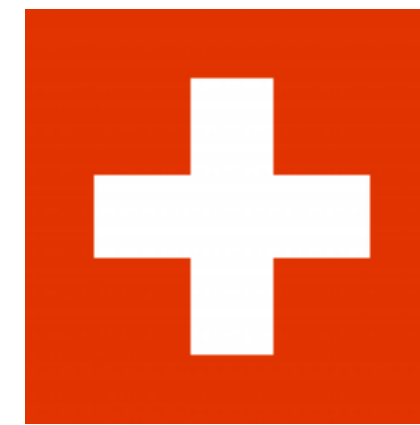
Features

- Collaborative
 - Capture image and deployment recipes
 - Share apps and knowledge with others

Created by SixSq Sàrl

- Swiss company
- Based in Geneva
- Established 2007

- <http://sixsq.com>



POST TENEBRAS LUX



swiss made
software



Who are the target users?



Alice: Wants to use App Store to provision applications. Not interested in technical details.



Bob: Manager for resources consumed by cloud applications, interested in ACLs, quotas, etc.



Clara: Application developer, providing recipes and blueprints for cloud applications.



Dave: SlipStream administrator installs, configures, and maintains a SlipStream instance for his users.

Target users for this tutorial?



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Public SlipStream Services

SlipStream.

SixSq SaaS: A general instance for trying out SlipStream with commercial cloud services.



HNX: Interface to Helix Nebula cloud: large public clouds and large scientific users (CERN, EMBL, ...)



OCCI: Test instance for validating the OCCI cloud connector with EGI.eu cloud sites.

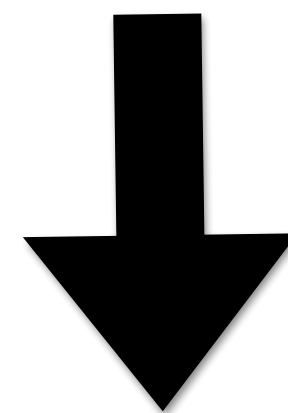


VirtualData: Service for accessing the VirtualData cloud and other FranceGrilles cloud infrastructures.

SlipStream Service for Tutorial



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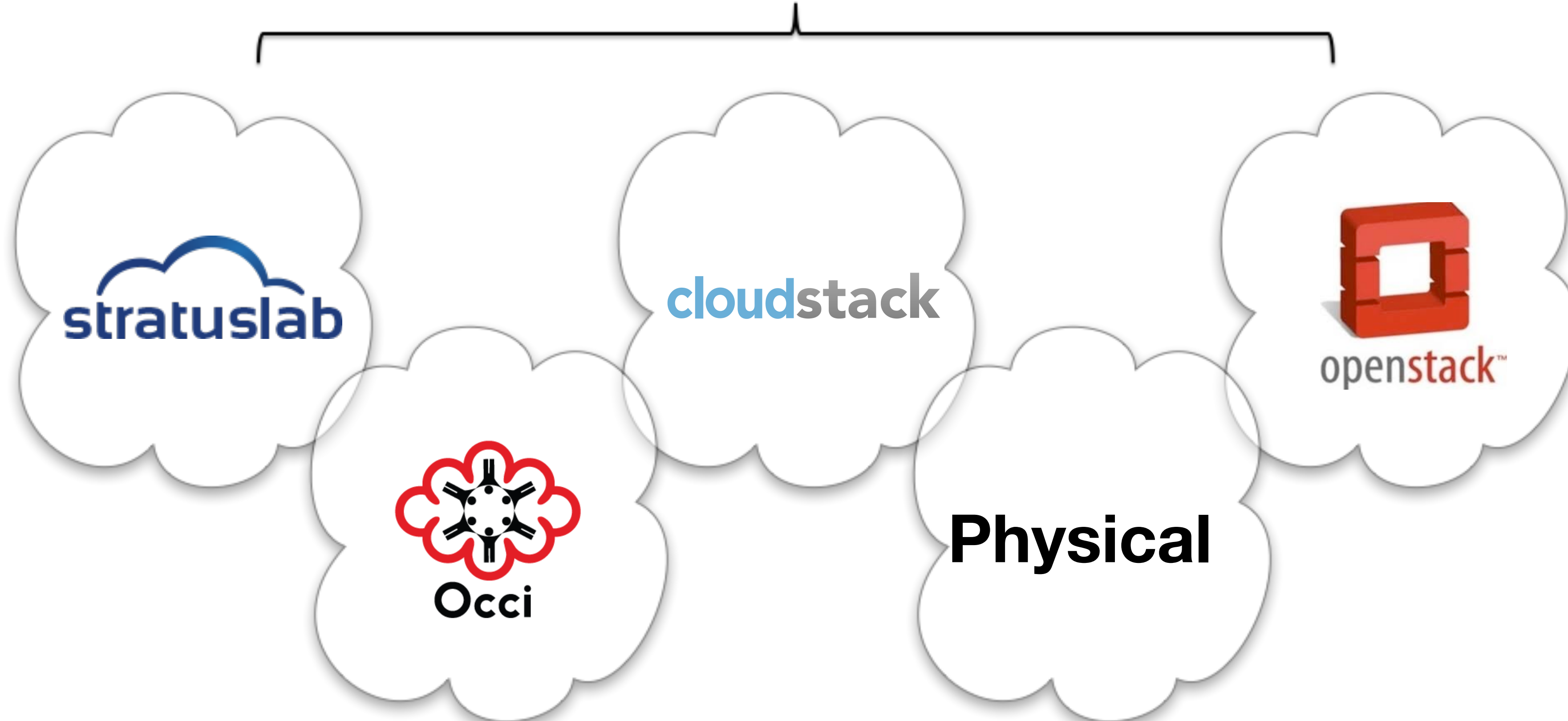
<https://slipstream.sixsq.com>

SlipStream Editions

	Community	Enterprise
Core	✓	✓
Open Source Connectors	✓	✓
Commercial Connectors		✓
Community Support Group	✓	✓
Professional Support		✓

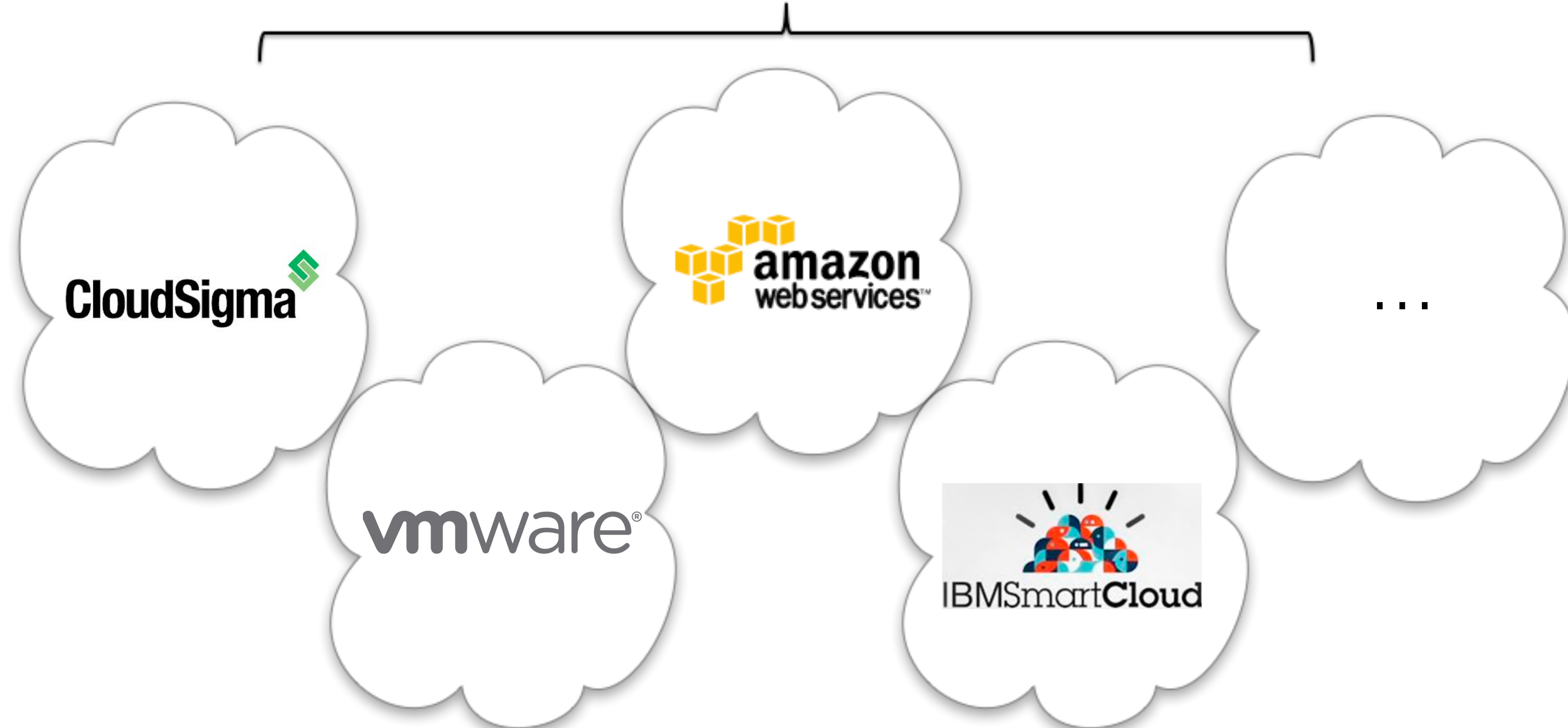
Open Source Connectors

SlipStream.



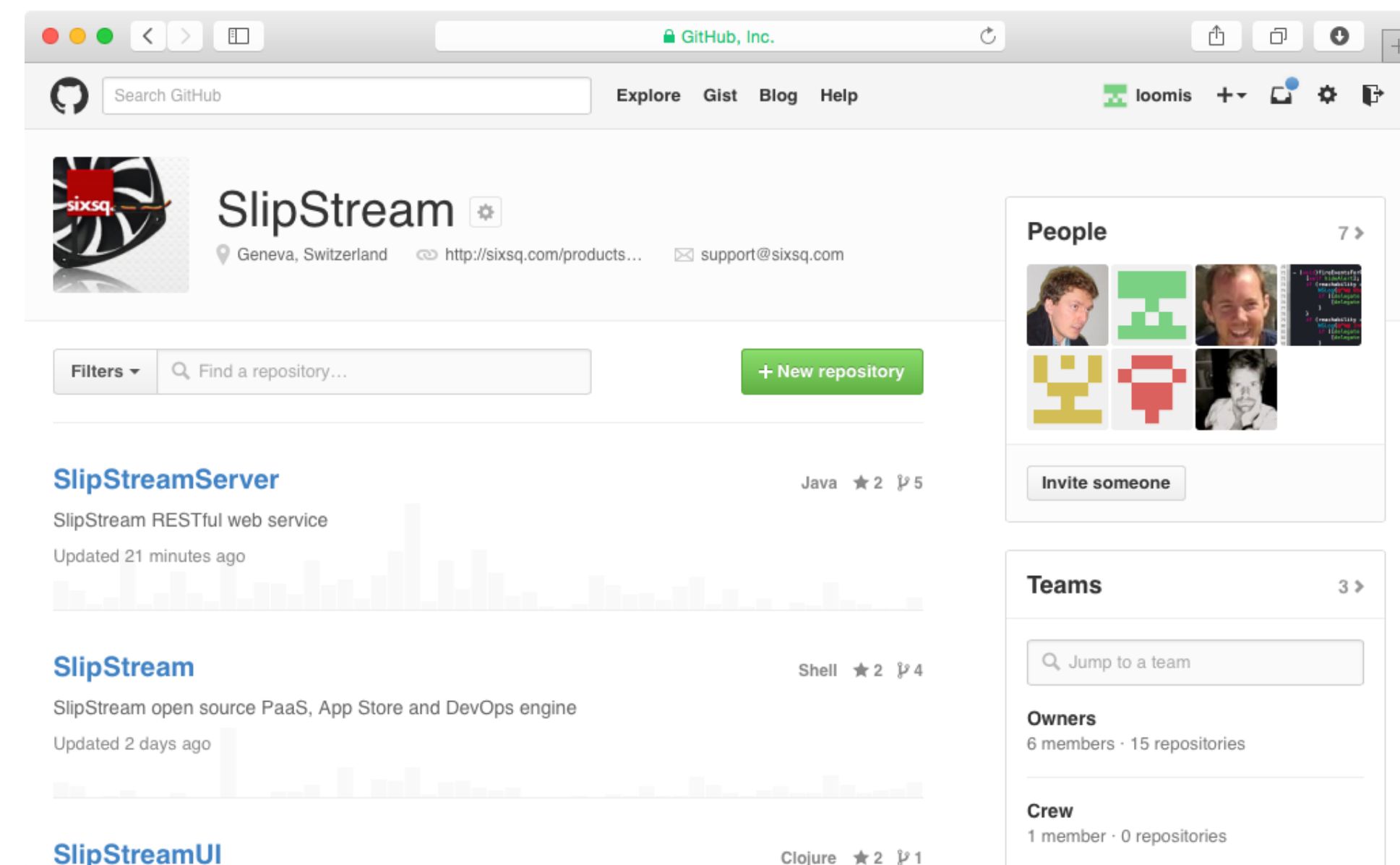
Proprietary Connectors

SlipStream.



Open Source at Its Core

- Core of SlipStream and the open source connectors are release under the Apache 2.0 license.
- Source code can be found in GitHub in the slipstream organization (<https://github.com/slipstream>).



Use cases

- Deploy simple and complex applications
- Perform multi-cloud deployments
- Use the cloud of your choice
- Facilitate migration from one cloud to another
- Automate your DevOps process
- Build images (templates) on multiple clouds
- Build your own app store
- Reduce costs!

Tutorial Roadmap



- Preliminaries: create and configure account
- “App Store”: launch services from catalog



- Understanding cloud application deployments
- Modifying deployments
- Creating new deployments
- SlipStream for developers

Resources

- SixSq Blogs
 - <http://sixsq.com/blog>
- SlipStream product description:
 - <http://sixsq.com/products/slipstream.html>
- SlipStream documentation
 - <https://slipstream.sixsq.com/documentation>
- GitHub
 - <https://github.com/slipstream>

