



SlipStream and Nuvla

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Complete Dynamic Multi-cloud Application Management

SlipStream Benefits

- **SlipStream**, part of the CYCLONE toolkit, focuses on the **full lifecycle management** of cloud applications.
- Application Portability
 - Migration: same application, any cloud
 - Multi-cloud: better stability, lower latencies
- Automation
 - Quick, error-free deployments
 - Coordinated startups and changes
 - Scale applications manually/automatically

SlipStream

- Cloud Application Management Platform developed by SixSq.
- Community Edition
 - Apache 2 License
 - Source on GitHub
- Enterprise Edition
 - Commercial License
 - More cloud plugins

SlipStream.



Nuvla.

SlipStream “as a Service”

Authentication

- Supported Identity Providers
 - Username/Password
 - eduGAIN (CYCLONE)
 - GitHub



- Must still configure your SlipStream/Nuvla account:
 - “Bring Your Own Credentials”
 - Public SSH key for accessing machines
 - Default policies

Demos

- Probably easiest just to show you what can be done with SlipStream.
 - **R-Studio**: Simple, single machine application with web interface to the R statistical analysis system
 - **Elasticsearch**: Scalable, document-oriented database
 - **Autoscaled nginx**: Example application that can scale automatically depending on the load

Questions?

Resources

- General Documentation (with tutorial)
 - <http://ssdocs.sixsq.com>
- Community Edition Code
 - <https://github.com/slipstream>
- REST API
 - <http://ssapi.sixsq.com>
- Python API
 - <https://github.com/slipstream/SlipStreamPythonAPI>
- Clojure API
 - <https://github.com/slipstream/SlipStreamClojureAPI>