StratusLab Roadmap

StratusLab Tutorial (Orsay, France)

28 November 2012

StratusLab Project → Collaboration

Goal

- Support the StratusLab open-source, IaaS cloud distribution
- Evolve and improve the software for both system administrators and users

Open Collaboration

- Supported by MoU between partners
- Institutes/companies expected to providing resources to sign MoU
- Individuals may be required to sign contributor's agreement.

CNRS (FR)　　　*SIXSQ (CH)*

GRNET (GR)　　　*TCD (IE)*

Sufficient Resources Committed

- Developers for all components identified and committed
- Reference cloud and testing infrastructures to continue operation

Software: High-Level Roadmap

New/Improved Features

- Watches/notification for state changes and service events
- Better resource utilization overview and management
- Fine-grained accounting of resources
- Improved stability and robustness of services
- Ability to support different virtual machine managers

Interfaces

- Adopt CIMI as the standard interface to services
- Provide complete browser interface for all services
- Provide EC2 adaptor to REST interface

Documentation

- Better organization ('general' on web site; 'specific' in code repos.)
- Provide support for several standard deployment scenarios

Individual Components

Authentication/REST Interface

- Integrated view of all site services via REST interface

Client

- Better Windows support
- Adaptations for changes in other services

Storage

- Better coordination and visibility of various services (pdisk, iSCSI, …)
- Improved support for advanced storage services (NetApp, …)

Marketplace

- To facilitate federation and to simplify impl. move to Cassandra
- Likely replacement of SPARQL search with full text search

Individual Components

Metadata

- Split from Marketplace repository
- Improved documentation on extending info. in image manifests

Standard Base Images

- Fully automate build process for all standard base images
- Better publicize the collaboration's recommended images

Documentation/High-level Tests

- Bring together tutorial, use-cases, and benchmarks
- Automate testing of standard workflows

Individual Components

Virtual Machine Management

- Integrate with newer versions of OpenNebula
- Clarify interfaces between StratusLab and OpenNebula
- Support for OpenNebula through UCM
- Investigate use of other virtual machine managers

Support and Communication

Communication

- Mailing lists, website, and twitter for announcements
- Revamp website to focus on providing information to users
  (see new site: http://stratuslab.github.com)

Support

- Current list to remain for technical questions and problems

Help Wanted!

- Provide feedback on how you'd like to get information and help from StratusLab.

Conclusions

StratusLab Collaboration

- Effort committed to continue development and support
- Collaboration to be formalized through MoUs
- Join the collaboration as an institute or individual

Provide Feedback

- On overall roadmap or for individual components
- How you want to get information and support from the collaboration

Contacts

- Website: http://stratuslab.eu/
- Twitter: @StratusLab
- Support: support@stratuslab.eu
- Source: http://github.com/StratusLab

http://www.stratuslab.eu