



Registration

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Registration Service



Overview

- Provides easy web interface to LDAP server
- LDAP server can be used with the cloud to facilitate user mgt.
- Service is entirely optional!

Goals

- Install registration service on Frontend machine
- See how `stratus-config` and `stratus-install` work
- Use to create account to test LDAP-based configuration

Registration



Priorities

- Allow reuse of database with non-cloud services
- Provide simple interface to allow users to register and update parameters

Implementation

- Data stored in LDAP to allow use by other services
- Simple java web application for user interface
- Management directly via LDAP commands

Registration Details



Registration	
daemon	registration
purpose	registration and user mgt.
port	8444
language	java (deployed in Jetty container)
external requirements	LDAP server
config. files	/etc/stratuslab/registration.cfg
logs	/opt/stratuslab/registration/logs/*

OpenLDAP



Configuration

- Defaults should be OK

```
$ stratus-config --keys -s openldap
```

Installation

```
$ stratus-install --openldap
```

Check

- Should see default database layout of registration service

```
$ ldapsearch -H ldap://localhost -x \  
  -b o=cloud \  
  -D cn=admin,o=cloud -W
```

Registration



Configuration

- Must set parameters `registration_admin_email`, `_mail_user`, `_mail_password`, `_mail_host`, `_mail_port`

```
$ stratus-config registration_admin_email me@example.com
```

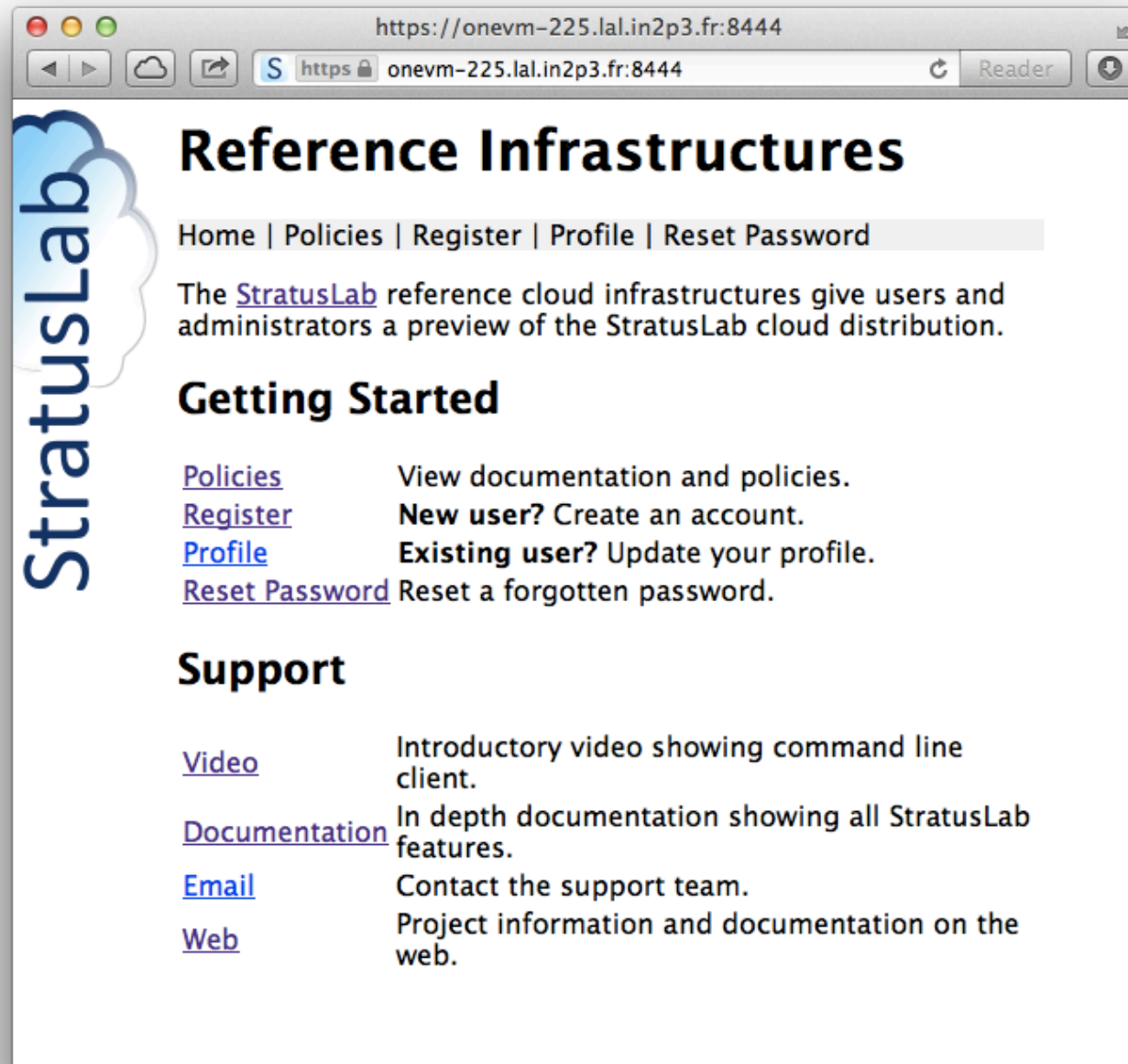
Installation

```
$ stratus-install --registration
```

Check

- Browse to <https://your-machine:8444/>

Running Registration Service



The screenshot shows a web browser window with the URL `https://onevm-225.lal.in2p3.fr:8444`. The page title is "Reference Infrastructures". On the left side, there is a vertical logo for "StratusLab" inside a cloud shape. The main content area includes a navigation menu with "Home | Policies | Register | Profile | Reset Password". Below the menu, there is a paragraph: "The [StratusLab](#) reference cloud infrastructures give users and administrators a preview of the StratusLab cloud distribution." This is followed by a "Getting Started" section with links for "Policies", "Register", "Profile", and "Reset Password", each with a brief description. Finally, there is a "Support" section with links for "Video", "Documentation", "Email", and "Web", each with a brief description.

Reference Infrastructures

Home | Policies | Register | Profile | Reset Password

The [StratusLab](#) reference cloud infrastructures give users and administrators a preview of the StratusLab cloud distribution.

Getting Started

Policies	View documentation and policies.
Register	New user? Create an account.
Profile	Existing user? Update your profile.
Reset Password	Reset a forgotten password.

Support

Video	Introductory video showing command line client.
Documentation	In depth documentation showing all StratusLab features.
Email	Contact the support team.
Web	Project information and documentation on the web.

Notes



- 1) **Registration service can use a remote LDAP server**
- 2) **Can use local sendmail service, but needs to be installed**
- 3) **Must use truststore if LDAP server is secured with SSL**
- 4) **Uses standard SSL CAs by default, see 50-ssl.ini file for grid CAs**

Exercises



1. **Install OpenLDAP and registration services**
2. **Ensure that registration service is running**
3. **Poke around interface to see features are there**
4. **Register with the service and ensure that information is in LDAP**

Questions and Discussion

website <http://stratuslab.eu>

twitter [@StratusLab](https://twitter.com/StratusLab)

support support@stratuslab.eu

StratusLab source <http://github.com/StratusLab>

SlipStream source <http://github.com/slipstream>



<http://stratuslab.eu/>

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