

## Practical Exercises

participant ID:

## Important Note

Please notice the participant ID marked in red on the title slide. You will use that for the rest of the exercises.

For the rest of the exercises it will be referred to as ID.

04.06.2008 / 2

## Account Creation

Go to <http://emanicslab.csg.uzh.ch/>

- click on "Create an account"
- use an email address of the following format:  
[user\\_ID@issnsm08.local](mailto:user_ID@issnsm08.local)
- Select site "Emanics Summer School 2008"

This account shall be referred to as ***user\_account***.

04.06.2008 / 3

## EmanicsLab Login

Login to EmanicsLab using the following credentials:

URL: <http://emanicslab.csg.uzh.ch>

Email: [ess-XY@local.csg.uzh.ch](mailto:ess-XY@local.csg.uzh.ch)

Password: emanics

\* replace XY with your own 2-digit ID

\*\* you will have administrative privileges with that username!! This account shall be referred to as ***admin\_account***.

04.06.2008 / 4

## User Management

Remember! You are logged in with **admin\_account**.

- From the *Users* section enable the user you just created.
- Log out

Log in with **user\_account**.

- Make a public-private key pair
  - Use one of the lab machines if you don't have Linux/
- Update your public key on the EmanicsLab website
- Logout

\* **Note:** Updates are propagated with some delay (up to 15 min)

04.06.2008 / 5

## Site and Slice Management

Log in with **admin\_account**

Using the menu check the sites participating in EmanicsLab.

Locate the site to which you are assigned to.

What are the roles you have in that site?

Check if there are any slices assigned to your site.

Locate the slice assigned to you (should have your ID in its name).

- Note when the slice is scheduled to expire
- Renew your slice for one extra month
- Add your name to the description of the slice
- Check which users are already assigned to your slice
- Check on which nodes your slice is instantiated

04.06.2008 / 6

## Site and Slice Management

Create a new slice with the following name:

**ess\_new\_ID**

Choose three EmanicsLab nodes belonging to three different sites and instantiate your slice on those nodes.

Associate your usernames (*admin\_account* and *user\_account*) with the new slice.

04.06.2008 / 7

## Slice Login

Download the secret key for your user from:

<http://192.168.41.1/ISSNSM08/keys/>

(look for the file keyID.sec.key)

Try to login to the slice you created (*ess\_new\_ID*) using ssh:

```
#ssh -i sec_key_file -l slice_name emanicslab_hostname
```

Note: if it did not succeed it means the slice was not yet instantiated (the process may take up to 15 minutes) so repeat the login using the already created slice (*ess\_slice\_ID*)

04.06.2008 / 8

## Slice operation

Check the available disk space for your slice.

Install the following package: httpd

```
# sudo yum install httpd
```

Change the port on which httpd runs

- Edit the file: `/etc/httpd/conf/httpd.conf`
- Modify the port in the *Listen* directive (choose a port > 10000)

Restart httpd:

```
# sudo /etc/init.d/httpd restart
```

Connect to the apache server from a browser.

## Slice Login

Retry to login to the slice you created earlier using *user\_account*.