

File System encryption procedure

Log-in into your machine with:

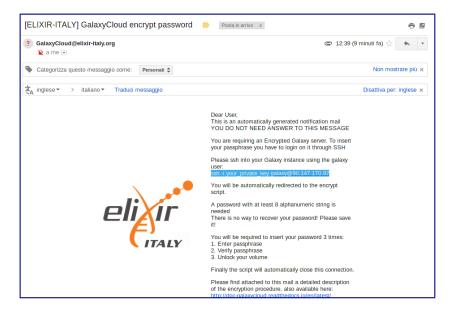
ssh -i your private ssh key.key galaxy@virtual.machine.ip.address

```
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[marco@marco-laptop ~]$
[marco@marco-laptop ~]$ ssh -i cloud.key galaxy@90.147.170.97

[marco@marco-laptop ~]$ ssh -i marco:bash
```

Typical ip addresses are: 90.147.170.XX or 90.147.102.XX. You can copy and past the command from the mail the system send you.



Accept the connection typing "yes"

```
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[marco@marco-laptop ~]$
[marco@marco-laptop ~]$ ssh -i cloud.key galaxy@90.147.170.97

The authenticity of host '90.147.170.97 (90.147.170.97)' can't be established.

ECDSA key fingerprint is SHA256:5FUVHmwedIaHU2r6OnqNmokBTCMfamo04sUxjZIbztE.

Are you sure you want to continue connecting (yes/no)? yes

(galaxy) 90.147.170.97
```

and enter your SSH passphrase:

```
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[marco@marco-laptop ~]$
[marco@marco-laptop ~]$ ssh -i cloud.key galaxy@90.147.170.97

The authenticity of host '90.147.170.97 (90.147.170.97)' can't be established.

ECDSA key fingerprint is SHA256:5FUVHmwedIaHUZr6OnqNmokBTCMfamo04sUxjZIbztE.

Are you sure you want to continue connecting (yes/no)? yes

Warning: Permanently added '90.147.170.97' (ECDSA) to the list of known hosts.

Enter passphrase for key 'cloud.key':
```

You will be now prompted in the encryption script automatically. You will be required to insert an alphanumeric key, at least 8 characters. A key is automatically generated, as example, plase do not use if for production!

You have to type your password three times:

- 1. inject your password
- 2. Confirm your password
- 3. Unlock your encrypted volume

Insert your volume encrypt/decrypt password for the first time:

and confirm it:

Unlock the encrypted volume typing againe your password:

```
File Modifica Visualizza Segnalibri Impostazioni Aiuto
The authenticity of host '90.147.170.97 (90.147.170.97)' can't be established.
Ine authenticity of nost '90.147.170.97 (90.147.170.97) can't be established. ECDSA key fingerprint is SHA256:SFUVHmwedIaHU2r60nQhmokBTCHGfamo04sUxjZIbztE. Are you sure you want to continue connecting (yes/no)? yes Warning: Permanently added '90.147.170.97' (ECDSA) to the list of known hosts. Enter passphrase for key 'cloud.key':
            ELIXIR-IIB encryption script - Alpha Version
A password with at least 8 alphanumeric string is needed
There's no way to recover your password! Please save it!
Example (automatic random generated passphrase): DkNkLrD6
You will be required to insert your password 3 times:

    Enter passphrase
    Verify passphrase
    Unlock your volume

Finally the script will automatically close this connection.
Check if the required applications are installed...
Using the selected aes-xts-plain64 algorithm to luksformat the volume
Enter passphrase:
Verify passphrase:
Command successful.
Open LUKS volume
Enter passphrase for /dev/vdb: ■
                                                               (galaxy) 90.147.170.97
```

The volume will be now encrypted and you will be automatically get out the VM, until Galaxy is installed.