



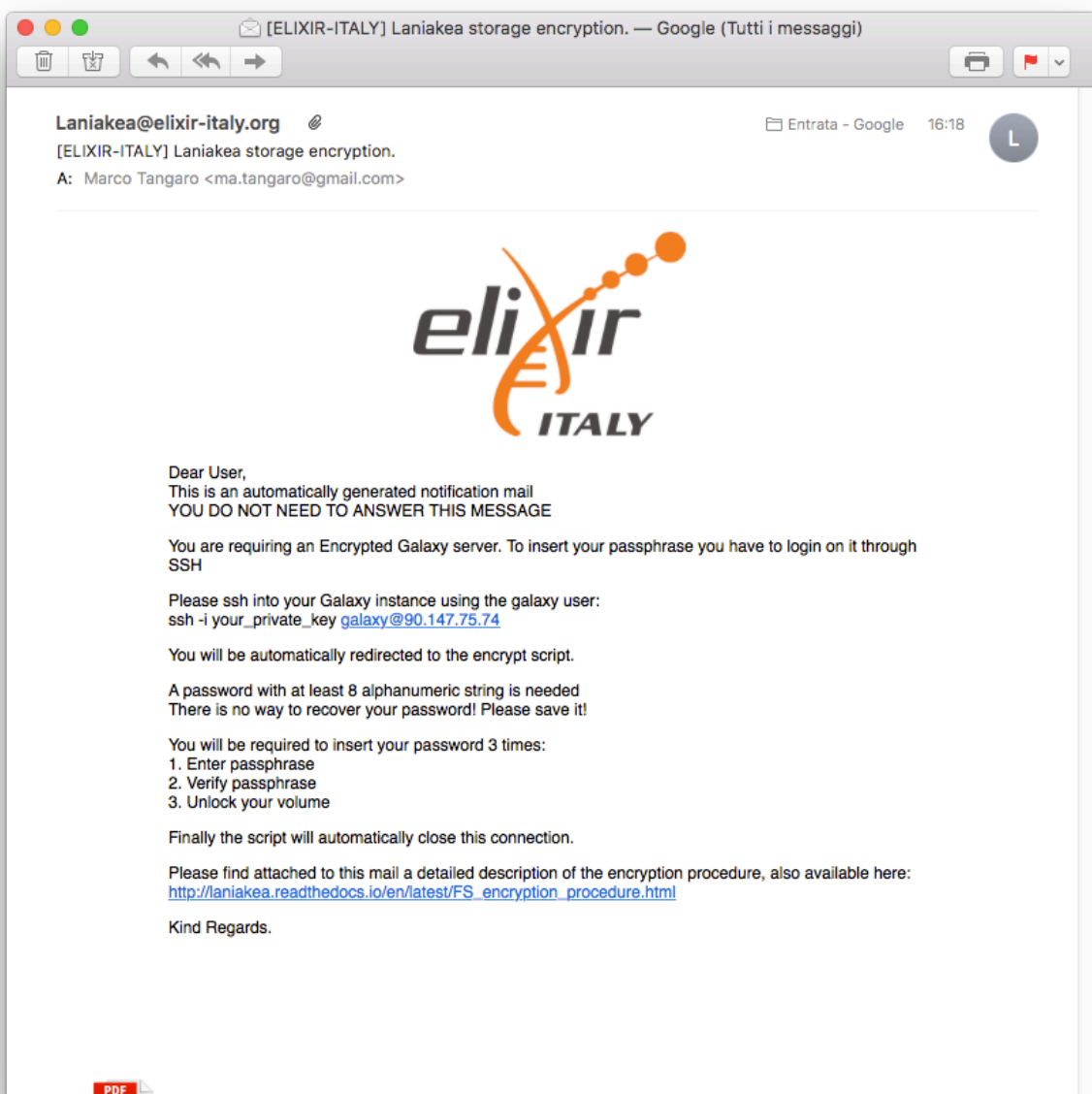
Laniakea encryption procedure

To encrypt the Virtual machine external volume follow this procedure.

Virtual Machine login

Log-in into your machine with:

```
ssh -i your_private_ssh_key.key galaxy@ip_address
```



Typical IP addresses are: 90.147.170.xx, 90.147.102.xx or 90.147.75.xx and it is reported in the e-mail we sent you. You can copy and paste the command from the mail the system send you.



A terminal window titled 'marco — -bash — 127x40'. The prompt is 'dhcp204:~ marco\$'. The command 'ssh -i cloud.key galaxy@90.147.75.74' has been entered and the cursor is at the end of the line.

```
dhcp204:~ marco$ ssh -i cloud.key galaxy@90.147.75.74
```

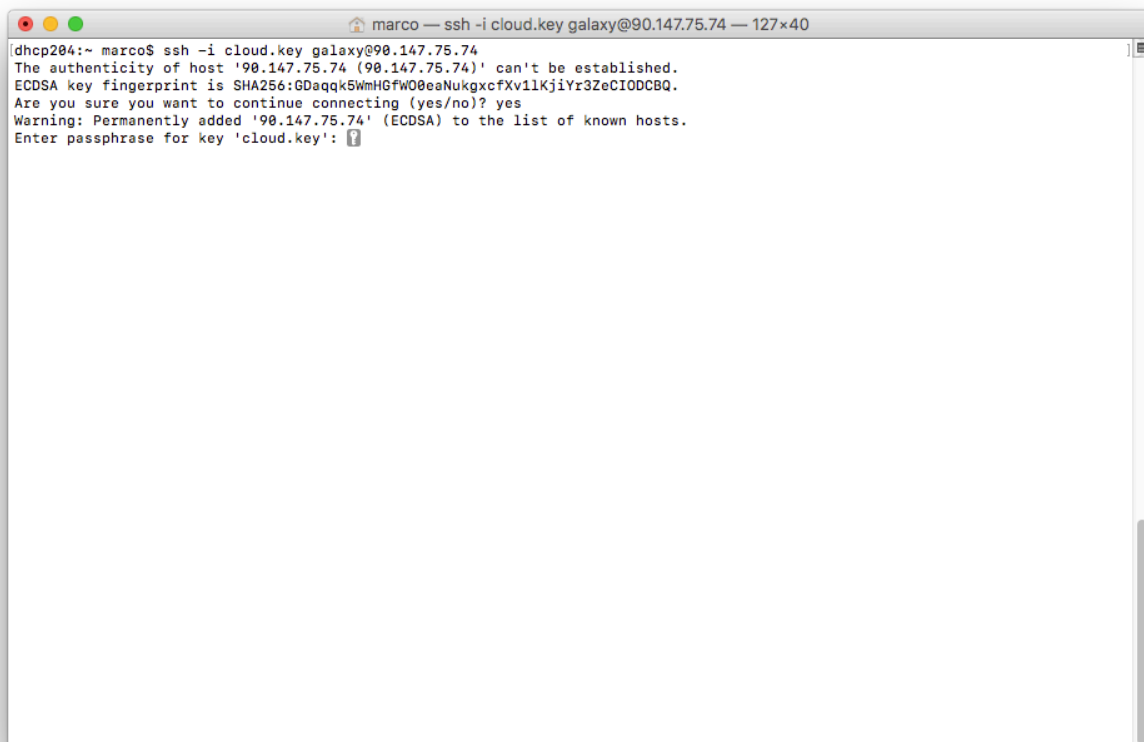
Probably, you have to permanently accept the connection, typing “yes”.



A terminal window titled 'marco — ssh -i cloud.key galaxy@90.147.75.74 — 127x40'. The prompt is 'dhcp204:~ marco\$'. The output shows a warning about the host's authenticity and a prompt to continue connecting.

```
dhcp204:~ marco$ ssh -i cloud.key galaxy@90.147.75.74
The authenticity of host '90.147.75.74 (90.147.75.74)' can't be established.
ECDSA key fingerprint is SHA256:GDaqk5WmHGfW00eaNukgxcfXv1lKjiYr3ZeCIODCBQ.
Are you sure you want to continue connecting (yes/no)? yes
```

and then enter your SSH passphrase.

A terminal window titled 'marco — ssh -i cloud.key galaxy@90.147.75.74 — 127x40'. The terminal shows the command 'ssh -i cloud.key galaxy@90.147.75.74' being executed. The output includes a warning about the host's authenticity, the ECDSA key fingerprint, a confirmation prompt 'Are you sure you want to continue connecting (yes/no)? yes', a warning about adding the host to the list of known hosts, and a prompt 'Enter passphrase for key \'cloud.key\':'.

```
dhcp204:~ marco$ ssh -i cloud.key galaxy@90.147.75.74
The authenticity of host '90.147.75.74 (90.147.75.74)' can't be established.
ECDSA key fingerprint is SHA256:GDaqqk5WmHGfw00eaNukgxcfXv1lKjiYr3ZeCIODCBQ.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '90.147.75.74' (ECDSA) to the list of known hosts.
Enter passphrase for key 'cloud.key':
```

Passphrase creation

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, please 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 device

(see next page...

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

```
marco — ssh -i cloud.key galaxy@90.147.75.74 — 127x40
dhcp204:~ marco$ ssh -i cloud.key galaxy@90.147.75.74
The authenticity of host '90.147.75.74 (90.147.75.74)' can't be established.
ECDSA key fingerprint is SHA256:GDaqqk5WmHGfW00eaNukgxcFV1lKjiYr3ZeCIODCBQ.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '90.147.75.74' (ECDSA) to the list of known hosts.
Enter passphrase for key 'cloud.key':
=====
                ELIXIR-Italy
            Filesystem encryption script

A password with at least 8 alphanumeric string is needed
There's no way to recover your password.
Example (automatic random generated passphrase):
                FJujKDj9

You will be required to insert your password 3 times:
 1. Enter passphrase
 2. Verify passphrase
 3. Unlock your volume

=====

INFO 2018-09-14 14:22:41 [fast-luks-encryption] Check if the required applications are installed...
INFO 2018-09-14 14:22:41 [fast-luks-encryption] Start the encryption procedure.
Enter passphrase: █
```

and confirm it:

```
marco — ssh -i cloud.key galaxy@90.147.75.74 — 127x40
dhcp204:~ marco$ ssh -i cloud.key galaxy@90.147.75.74
The authenticity of host '90.147.75.74 (90.147.75.74)' can't be established.
ECDSA key fingerprint is SHA256:GDaqqk5WmHGfW00eaNukgxcFV1lKjiYr3ZeCIODCBQ.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '90.147.75.74' (ECDSA) to the list of known hosts.
Enter passphrase for key 'cloud.key':
=====
                ELIXIR-Italy
            Filesystem encryption script

A password with at least 8 alphanumeric string is needed
There's no way to recover your password.
Example (automatic random generated passphrase):
                FJujKDj9

You will be required to insert your password 3 times:
 1. Enter passphrase
 2. Verify passphrase
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=====

INFO 2018-09-14 14:22:41 [fast-luks-encryption] Check if the required applications are installed...
INFO 2018-09-14 14:22:41 [fast-luks-encryption] Start the encryption procedure.
Enter passphrase: █
Verify passphrase: █
```

If the passphrases don't match, you have to restart the procedure.

Finally you can unlock the encrypted volume typing again your password:

```
marco — ssh -i cloud.key galaxy@90.147.75.74 — 127x40
dhcp204:~ marco$ ssh -i cloud.key galaxy@90.147.75.74
The authenticity of host '90.147.75.74 (90.147.75.74)' can't be established.
ECDSA key fingerprint is SHA256:GDaqqk5WmHGfW00eaNukgxcfXv1lKjiYr3ZeCIODCBQ.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '90.147.75.74' (ECDSA) to the list of known hosts.
Enter passphrase for key 'cloud.key':
=====
ELIXIR-Italy
Filesystem encryption script

A password with at least 8 alphanumeric string is needed
There's no way to recover your password.
Example (automatic random generated passphrase):
FJujKDj9

You will be required to insert your password 3 times:
1. Enter passphrase
2. Verify passphrase
3. Unlock your volume

=====

INFO 2018-09-14 14:22:41 [fast-luks-encryption] Check if the required applications are installed...
INFO 2018-09-14 14:22:41 [fast-luks-encryption] Start the encryption procedure.
Enter passphrase:
Verify passphrase:
Command successful.

INFO 2018-09-14 14:22:41 [fast-luks-encryption] Open LUKS volume.
Enter passphrase for /dev/vdb1: █
```

The encryption procedure will continue in background, while you will be automatically log-out the VM, until Galaxy is installed.

```
marco — -bash — 127x40
dhcp204:~ marco$ ssh -i cloud.key galaxy@90.147.75.74
The authenticity of host '90.147.75.74 (90.147.75.74)' can't be established.
ECDSA key fingerprint is SHA256:GDaqqk5WmHGfW00eaNukgxcfXv1lKjiYr3ZeCIODCBQ.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '90.147.75.74' (ECDSA) to the list of known hosts.
Enter passphrase for key 'cloud.key':
=====
ELIXIR-Italy
Filesystem encryption script

A password with at least 8 alphanumeric string is needed
There's no way to recover your password.
Example (automatic random generated passphrase):
FJujKDj9

You will be required to insert your password 3 times:
1. Enter passphrase
2. Verify passphrase
3. Unlock your volume

=====

INFO 2018-09-14 14:22:41 [fast-luks-encryption] Check if the required applications are installed...
INFO 2018-09-14 14:22:41 [fast-luks-encryption] Start the encryption procedure.
Enter passphrase:
Verify passphrase:
Command successful.

INFO 2018-09-14 14:22:41 [fast-luks-encryption] Open LUKS volume.
Enter passphrase for /dev/vdb1: █

INFO 2018-09-14 14:22:41 [fast-luks-encryption] SUCCESSFUL.
INFO 2018-09-14 14:22:41 [fast-luks-interface] The volume setup script will be run in background.

You will automatically log-out from this server.
Galaxy will be automatically installed once the encryption procedure ends.
Exiting... Goodbye!
Connection to 90.147.75.74 closed.
dhcp204:~ marco$ █
```