# **Classic update**

## Introduction

The update process depends very much on the customisation that has been made to your Esia plugins.

The more plugins you have added, the greater the risk that these plugins will go into error after the update. It is therefore all the more important to respect the backup process in addition to the snapshot in order to avoid having to perform a rollback.

The rest of the tutorial covers :

- **Prerequisites** Necessary to start the update.
- **Updating process** Steps required to complete the update.

We strongly recommend that you read this tutorial in its entirety at least 1 time before starting the production update.

## Prerequisites

Before starting the update, all of the following points must be met:

- Have an internet connection to download the update packages.
- Make a snapshot of the VM beforehand in order to quickly return to the previous state in the event of MAJOR problems.
- Make a backup of certain Esia files. To avoid having to rollback the snapshot in the event of a SMALL problem. This step is NECESSARY in the event of a support call. See point 3.1.1
   « Make a backup of your Esia »

## **Update steps**

## **Pre-update preparation**

The following 3 steps should be carried out in the desired order.

## Make a backup of your Esia

This will avoid having to return to the snapshot in the event of a simple plugin error or similar. Plugin errors are sometimes unavoidable and make this task necessary.

#### The steps are :

Check that you have enough disk space for the backup using the command :

#### сору

df -h /root

The disk space required for the backup depends on your Esia. But if you use less than 50% of your disk space. You are sure to have enough.

#### backup.sh

```
#!/bin/bash
cd /
mkdir -p /root/BACKUP_ESIA
su postgres -c pg_dumpall > /root/BACKUP_ESIA/pg_database.sql
cp -r /usr/local/esia/plugins /root/BACKUP_ESIA/plugins
cp -r /usr/local/esia/public_html /root/BACKUP_ESIA/public_html
cp -r /etc/apache2 /root/BACKUP_ESIA/apache2
cp -r /etc/esia /root/BACKUP_ESIA/esia_conf
iptables-save > /root/BACKUP_ESIA/iptables.txt
dpkg -l > /root/BACKUP_ESIA/version.txt
```

You can check whether the backup was successful by entering the following command:

#### сору

du -sh /root/BACKUP\_ESIA/\*

#### Examples:

On a small esia

```
root@debian:~# cd /
root@debian:/# mkdir -p /root/BACKUP_ESIA
root@debian:/# su postgres -c pg_dumpall > /root/BACKUP_ESIA/pg_database.sql
root@debian:/# cp -r /usr/local/esia/plugins /root/BACKUP_ESIA/plugins
root@debian:/# cp -r /usr/local/esia/public_html
/root/BACKUP_ESIA/public_html
root@debian:/# cp -r /etc/apache2 /root/BACKUP_ESIA/apache2
root@debian:/# cp -r /etc/esia /root/BACKUP_ESIA/esia_conf
root@debian:/# iptables-save > /root/BACKUP_ESIA/iptables.txt
root@debian:/# dpkg -l > /root/BACKUP_ESIA/version.txt
root@debian:/# du -sh /root/BACKUP_ESIA/*
652K /root/BACKUP_ESIA/apache2
32K /root/BACKUP_ESIA/esia_conf
```

```
4,0K /root/BACKUP_ESIA/iptables.txt
660K /root/BACKUP_ESIA/pg_database.sql
7.9M /root/BACKUP_ESIA/plugins
23M /root/BACKUP_ESIA/public_html
96K /root/BACKUP_ESIA/version.txt
root@debian-jessie:/#
```

In case of error, files/directories are missing or empty

```
root@debian:/# cd /
root@debian:/# mkdir -p /root/BACKUP_ESIA
root@debian:/# su postgres -c pg dumpall > /root/BACKUP ESIA/pg database.sql
pg_dumpall: could not connect to database "template1": could not connect to
server: No such file or directory
  Is the server running locally and accepting
  connections on Unix domain socket "/var/run/postgresql/.s.PGSQL.5432"?
root@debian:/# cp -r /usr/local/esia/plugins /root/BACKUP_ESIA/plugins
root@debian:/# cp -r /usr/local/esia/public html
/root/BACKUP_ESIA/public_html
root@debian:/# cp -r /etc/apache2 /root/BACKUP ESIA/apache2
root@debian:/# cp -r /etc/esia /root/BACKUP ESIA/esia conf
root@debian:/# iptables-save > /root/BACKUP ESIA/iptables.txt
root@debian:/# dpkg -l > /root/BACKUP_ESIA/version.txt
root@debian-jessie:/# du -sh /root/BACKUP ESIA/*
652K /root/BACKUP ESIA/apache2
32K /root/BACKUP ESIA/esia conf
4,0K /root/BACKUP ESIA/iptables.txt
0 /root/BACKUP_ESIA/pg_database.sql
7.9M /root/BACKUP ESIA/plugins
23M /root/BACKUP ESIA/public html
96K /root/BACKUP ESIA/version.txt
root@debian-jessie:/#
```

### Make a snapshot of the VM

In order to come back quickly in case of a complete crash.

### Disable the alerting system

To avoid receiving false positives during the update.

сору

chmod -x /usr/local/esia/plugins/alerting/\*

## Updating

### Prepare the update:

Check that the Esia repository is present in your source file.

#### сору

cat /etc/apt/sources.list

You should have this line in your

#### сору

deb http://stable.repository.esia-sa.com/esia bullseye contrib
non-free

Update the list of your packages with the following command

#### сору

apt update

#### Example

```
root@debian-jessie:/# apt-get update
Get:1 http://10.8.0.9 stretch InRelease [2,271 B]
Get:2 http://10.8.0.9 stretch/contrib amd64 Packages [7,200 B]
Get:3 http://10.8.0.9 stretch/non-free amd64 Packages [1,963 B]
Ign http://10.8.0.9 stretch/contrib Translation-en US
Ign http://10.8.0.9 stretch/contrib Translation-en
Ign http://10.8.0.9 stretch/non-free Translation-en US
Ign http://10.8.0.9 stretch/non-free Translation-en
Ign http://ftp.be.debian.org stretch InRelease
Get:4 http://ftp.be.debian.org stretch Release.gpg [2,410 B]
Get:5 http://ftp.be.debian.org stretch Release [118 kB]
Get:6 http://ftp.be.debian.org stretch/main amd64 Packages [7,080 kB]
Get:7 http://ftp.be.debian.org stretch/main Translation-en [5,377 kB]
Fetched 12.6 MB in 2s (4,354 kB/s)
Reading package lists... Done
root@debian-jessie:/#
```

#### Check the current state of your system:

5/6

1. Make a screenshot of the state of your nodes and services.



2. Note what time it is.

Update the list of your packages with the following command

#### сору

apt-get update

#### Run the update :

To download the ESIA + OS update

сору

#### apt-get dist-upgrade

#### Before confirming, check that you have enough disk space:

In the example below, you will need 92 MB + 101 MB during installation.

```
125 upgraded, 1 newly installed, 4 to remove and 0 not upgraded.
Need to get 92 MB of archives.
After this operation, 101 MB of additional disk space will be used.
Do you want to continue? [Y/n]
```

The apt program will now update your Esia and your operating system.

Once the update is complete, don't forget to reload your browser's cache.

#### Reactivate the alert system

Once your Esia is working properly, don't forget to reactivate the alerting system:

#### Activation :

#### сору

chmod +x /usr/local/esia/plugins/alerting/\*

#### Check if it is activated :

#### сору

ls --color -l /usr/local/esia/plugins/alerting/\*

In the examples below, the green colour indicates that the scripts are executable. They are therefore activated.

#### Examples :

#### Alerting disabled

root@	debi	.an-	jessie	:~#	ls(	color	- L	/usr/	local/	/esia/	'plugi	.ns/al	erti.	ng/*			
- rw- r			root	root	6062	Aug	26 (	09:44	/usr/l	local/	/esia/	plugi	.ns/a	lerti	ng/send	mail	html.pl
- rw- r			root	root	4372	Aug	26 (	09:44	/usr/l	local/	/esia/	plugi	.ns/a	lerti	ng/send	mail.	pl
- rw- r			root	root	6141	Aug	26 (	09:44	/usr/l	local/	/esia/	plugi	.ns/a	lerti	ng/send	sms.p	ji -
root@	debi	an-	jessie	e:~# [	7												

#### Alerting on

root@debian-	jessie:~#	lscolor ·	l/usr/	'local/esia/plugins/alerting/*
-rwxr-xr-x 1	root root	6062 Aug 26	5 09:44	/usr/local/esia/plugins/alerting/send_mail_html.pl
-rwxr-xr-x 1	root root	4372 Aug 26	5 09:44	/usr/local/esia/plugins/alerting/send_mail.pl
-rwxr-xr-x 1	root root	6141 Aug 26	5 09:44	/usr/local/esia/plugins/alerting/send_sms.pl
root@debian-	jessie:~#[			

Now you need to check that you are receiving the alert emails.

#### сору

/usr/local/esia/plugins/alerting/send\_mail\_html.pl -e min -t
<votre adresse mail> -D

Check whether an email has arrived in your inbox.

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