

User docs for ubuntu-18 upgrade

Below the steps required to perform the os-upgrade

- **Apply the patch:** It execute an ansible playbook to prepare the environment for do-release-upgrade
- **Standard-installation procedure steps:** additional steps to prepare the environment in case of standard installation
- **Splitted-db installation procedure steps:** additional steps to prepare the environment in case of splitted (head and db vms) installation

Apply the patch

From WEB-UI:

- Connect to web-ui of the vm (head in case of splitted installation)
- Login into "https:///admin" using credentials
- scroll to end page, under "System Update" click "Browse" to select the patch file then click "Upload" button and upload the patch-file
- After upload completes click "Apply and Restart" and wait **10 **minutes, then proceed with the Standard or Splitted installation steps.

From CLI:

- copy the patch file into the /home/admin directory of the head VM
- log in to the (head) appliance, connect either with SSH, Putty or vSphere Console as user admin
- In the console-UI enter choice "1) Shell"
- in the shell type the command to become root

- `sudo su -`

- extract and verify the patch

- ```
mkdir -p /data/cli_patch
rm -rf /data/cli_patch/*
mv /home/admin/patch_600_c2fec23a.oppatch /data/cli_patch/
cd /data/cli_patch
tar -x -v -f patch_600_c2fec23a.oppatch
cd patch
sha256sum -c payload.tgz.sha256
```

- check stout message, should be "payload.tgz: OK" to proceed

- extract payload

- ```
tar -x -z -v -f payload.tgz
```

- execute ansible playbook

- ```
ansible-playbook -i /data/app/perfanalyzer_hosts
./payload/PA6_ansible/bootstrap.yml --connection=local
```

- Wait untill the playbook completes then you should have an output like this:

- check that unreachable=0 and failed=0

```
PLAY RECAP

127.0.0.1 : ok=XXX changed=YYY unreachable=0 failed=0
```

- Proceed with the "Standard-installation procedure steps" in case of single vm installation or the "Splitted-db installation procedure steps" in case of splitted installation (2 vms)

## From CLI - install patch on database VM (if any)

In case you are installing from CLI and you have a splitted installation run also this command on both the HEAD and DB vm.

```
ansible-playbook -i /data/app/perfanalyzer_hosts
./payload/PA6_ansible/bootstrap_gsn.yml
```

You will see the progress. Eventually the last line should show something like this:

```
PLAY RECAP *****
opvsplitdb : ok=105 changed=17 unreachable=0 failed=0
```

## restart services on head VM

```
service perfanalyzer restart
```

## restart services on database VM

No user intervention needed! Restart will happen at end of patch install automatically.

# Standard-installation procedure steps

---

1. Login into appliance using admin user

2. Execute the "prepare\_dorelup\_1.sh"

- ```
sudo /home/admin/osup-data/data/prepare_dorelup_1.sh
```

3. reboot the system

- ```
sudo reboot
```

4. Execute the "prepare\_dorelup\_2.sh"

- Reconnect into appliance vm using admin user and execute this command

- ```
sudo /home/admin/osup-data/data/prepare_dorelup_2.sh
```

- This message should appear in the console

- ```
nohup: appending output to 'nohup.out'
```

- Press ENTER

5. Execute "do-release-upgrade"

- ```
sudo do-release-upgrade
```

- there will be several questions:

If you continue, an additional ssh daemon will be started at port '1022'.

Do you want to continue?

Continue [yN]

Answer with y .

To make recovery in case of failure easier, an additional sshd will be started on port '1022'. If anything goes wrong with the running ssh you can still connect to the additional one.
If you run a firewall, you may need to temporarily open this port. As this is potentially dangerous it's not done automatically. You can open the port with e.g.:

```
'iptables -I INPUT -p tcp --dport 1022 -j ACCEPT'
```

To continue please press [ENTER]

Hit Enter.

Updating repository information

Third party sources disabled

Some third party entries in your sources.list were disabled. You can re-enable them after the upgrade with the 'software-properties' tool or your package manager.

To continue please press [ENTER]

Hit Enter.

Fetching and installing the upgrade can take several hours. Once the download has finished, the process cannot be canceled.

Continue [yN] Details [d]

Answer with y.

Remove obsolete packages?

36 packages are going to be removed.

Continue [yN] Details [d]

Answer with y.

```

System upgrade is complete.

Restart required

To finish the upgrade, a restart is required.  
If you select 'y' the system will be restarted.

Continue [yN]

```

Answer with y.

Note that can occur that during the do-release-upgrade several questions regarding packag

* nullmailer: always hit Enter.

* restart docker: yes

* openssh-server config: keep the local version currently installed

The appliance will reboot and completes the updates. Please wait at least 10 minutes for

Splitted-db installation procedure steps

"head-vm": is the main vm that collect data "db-vm": is the vm for the datastore

- Execute the steps above (Standard-installation procedure steps) in the head-vm
- Once the os-upgrade is completed stop the perfanalyzer service on the head-vm
 - `sudo service perfanalyzer stop`
- Perform the same procedure above (Standard-installation procedure steps starting from step 2 -> Execute the "prepare_dorelup_1.sh") for the db-vm
- Once the os-upgrade is completed in the db-vm restart the perfanalyzer service in the "head-vm"
 - `sudo service perfanalyzer start`

