

The Proton utility can be deployed in several ways on Ubuntu 14:

1. Using a puppet master.

- Download the puppet folder for Proton, and work in the **puppet/modules/cep** folder there. You can download single folder from github using **svn**:

```
svn checkout https://github.com/ishkin/Proton.git/trunk/puppet
```

- We assume the puppet master environment is already installed and working.
- Change the files permissions:

```
chmod 644 ./manifests/*.pp ./files/* and chmod +x  
./files/download_artifacts.ksh.
```

- Install the APT module on your master (e.g. `puppet module install puppetlabs-apt`), make sure its location is accessible to the client (via the **modulepath** puppet settings). It is possible that you will need to copy, or make soft links to that location.
- Run once the script

```
./files/download_artifacts.ksh
```

on the puppet master - to get the updated version of CEP *.war files into the same folder, e.g. *./files/*.

- Add the CEP module to the client manifests (e.g. "include cep").
- The tomcat admin/manager passwords are randomly generated during the artifacts download stage (e.g. when running the *./files/download_artifacts.ksh* in the puppet master). They are used during the clients' deployment. Steps should be taken if different password for each machine is needed.
- Rerunning the *./files/download_artifacts.ksh* in the puppet master will download a new version of CEP which will be pushed to all the puppet clients.

2. Using a standalone puppet client

- Download the puppet folder for Proton (see fist bullet above, e.g. into the **/tmp/** folder, than work in the **puppet/modules/cep** folder).
- Retrieve the new lists of packages from the repositories. Run

```
sudo apt-get update
```

- Install the **puppet-module-puppetlabs-apt** package. Run

```
sudo apt-get install puppet-module-puppetlabs-apt
```

- Change the files permissions:

```
chmod 644 ./manifests/*.pp ./files/* and chmod +x  
./files/download_artifacts.ksh
```

- Make sure the **/etc/hosts** file contain an entry with the local machine hostname
- Install CEP using puppet. Note that the <puppet_modules_path> should point to the full path of your newly created module folder (e.g “/tmp/puppet/modules”). Run

```
sudo /usr/bin/puppet apply --
modulepath=<puppet_modules_path>:/etc/puppet/modules:/usr/share/puppet/modules -e 'include cep'
```

3. Install via a shell script:

- The user running the script should be able to run **sudo** commands without a password prompt.
- Download the **CEP_Install_via_puppet.sh** script file from gitub at *puppet/miscellaneous/* folder and execute it.
- The script will download all the necessary files to the same folder it's on, install and configure