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).
   - Install the **puppet-module-puppetlabs-apt** package (e.g. 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"):
     `sudo /usr/bin/puppet apply --parser future --modulepath=<puppet_modules_path>:/etc/puppet/modules:/usr/share/puppet/modules -e 'include cep' --debug`

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