

# Lesson 7 Demo 5: Installing Module from Command Line

This section will guide you to:

- Install, upgrade, and uninstall Puppet modules

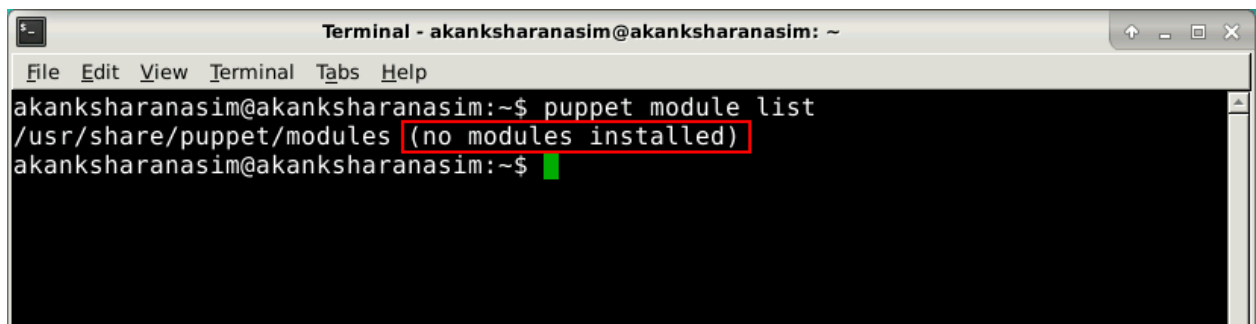
This lab has three subsections, namely:

1. Installing a Puppet module from Puppet Labs
2. Upgrading Puppet modules
3. Uninstalling Puppet modules

## Step 1: Installing a Puppet module from Puppet Labs

- Open the command line terminal on the system where Puppet has been installed
- Type in the following command to check if you already have any installed modules:

```
puppet module list
```

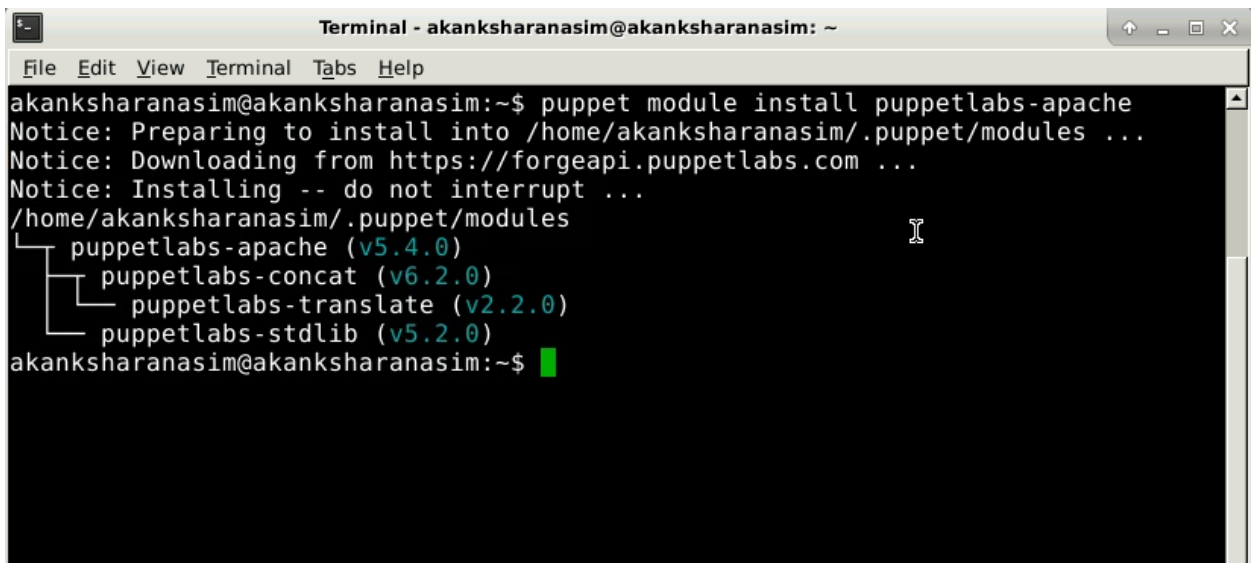


```
Terminal - akanksharanasim@akanksharanasim: ~  
File Edit View Terminal Tabs Help  
akanksharanasim@akanksharanasim:~$ puppet module list  
/usr/share/puppet/modules (no modules installed)  
akanksharanasim@akanksharanasim:~$
```

- If there are no pre-existing modules in the system, a message saying no modules installed will be displayed

- Type in the following command to install apache module from Puppet labs:

```
puppet module install puppetlabs-apache
```



A terminal window titled "Terminal - akanksharanasim@akanksharanasim: ~" showing the execution of the command `puppet module install puppetlabs-apache`. The output shows the module being prepared for installation into `/home/akanksharanasim/.puppet/modules`, downloaded from `https://forgeapi.puppetlabs.com`, and then installed. A tree view of installed modules is shown: `puppetlabs-apache (v5.4.0)`, `puppetlabs-concat (v6.2.0)`, `puppetlabs-translate (v2.2.0)`, and `puppetlabs-stdlib (v5.2.0)`. The prompt returns to `akanksharanasim@akanksharanasim:~$`.

## Step 2: Upgrading Puppet modules

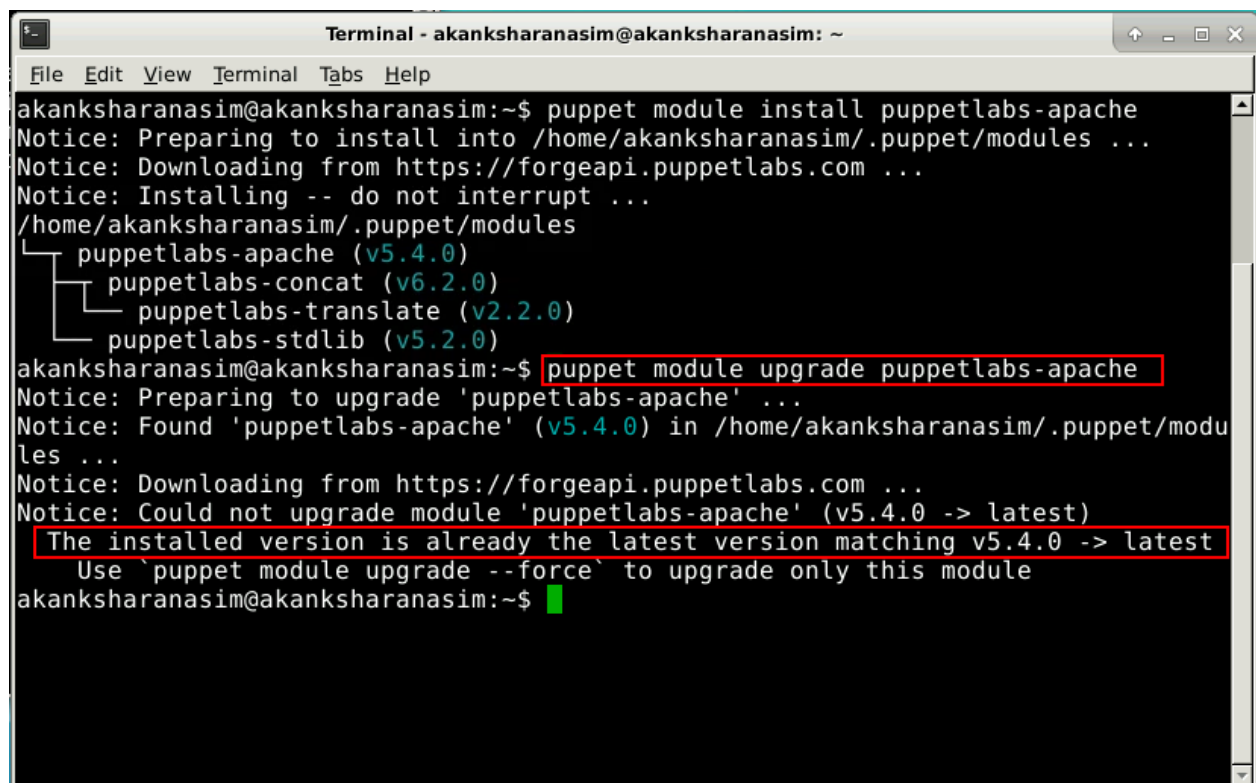
- Type in the following command to upgrade any Puppet module to its latest version:

```
puppet module upgrade <module name>
```

- Replace the `<module name>` keyword in the above command with the name of the module that you want to upgrade

- To upgrade puppetlabs-apache module use the following command in the terminal:

```
puppet module upgrade puppetlabs-apache
```



```

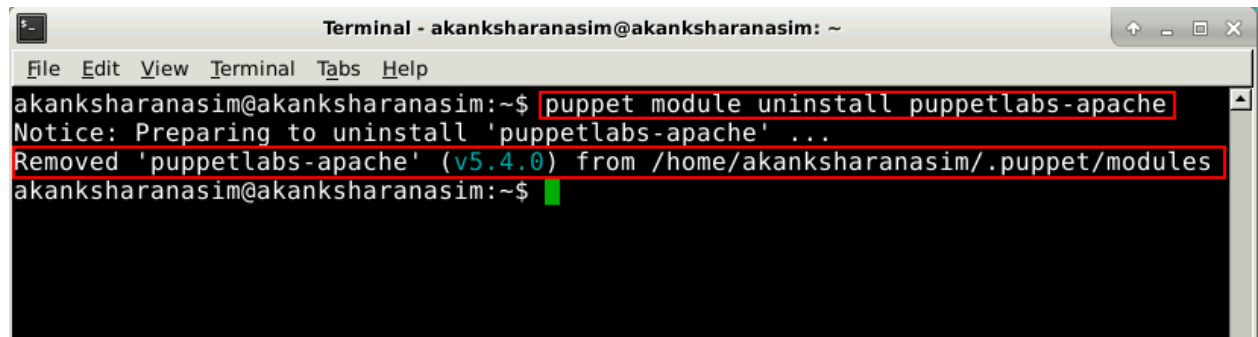
Terminal - akanksharanasim@akanksharanasim: ~
File Edit View Terminal Tabs Help
akanksharanasim@akanksharanasim:~$ puppet module install puppetlabs-apache
Notice: Preparing to install into /home/akanksharanasim/.puppet/modules ...
Notice: Downloading from https://forgeapi.puppetlabs.com ...
Notice: Installing -- do not interrupt ...
/home/akanksharanasim/.puppet/modules
├─ puppetlabs-apache (v5.4.0)
│   └─ puppetlabs-concat (v6.2.0)
│       └─ puppetlabs-translate (v2.2.0)
│           └─ puppetlabs-stdlib (v5.2.0)
akanksharanasim@akanksharanasim:~$ puppet module upgrade puppetlabs-apache
Notice: Preparing to upgrade 'puppetlabs-apache' ...
Notice: Found 'puppetlabs-apache' (v5.4.0) in /home/akanksharanasim/.puppet/modules ...
Notice: Downloading from https://forgeapi.puppetlabs.com ...
Notice: Could not upgrade module 'puppetlabs-apache' (v5.4.0 -> latest)
The installed version is already the latest version matching v5.4.0 -> latest
Use 'puppet module upgrade --force' to upgrade only this module
akanksharanasim@akanksharanasim:~$
  
```

### Step 3: Uninstalling Puppet modules

- Type in the following command to uninstall a Puppet module:

```
puppet module uninstall <module name>
```

- Replace the <module name> keyword in the above command with the name of the module that you want to uninstall as shown in the screenshot below:



```
Terminal - akanksharanasim@akanksharanasim: ~
File Edit View Terminal Tabs Help
akanksharanasim@akanksharanasim:~$ puppet module uninstall puppetlabs-apache
Notice: Preparing to uninstall 'puppetlabs-apache' ...
Removed 'puppetlabs-apache' (v5.4.0) from /home/akanksharanasim/.puppet/modules
akanksharanasim@akanksharanasim:~$
```