

Lesson 8 Demo 1: Installing Puppet Modules from Puppet Forge

This section will guide you to:

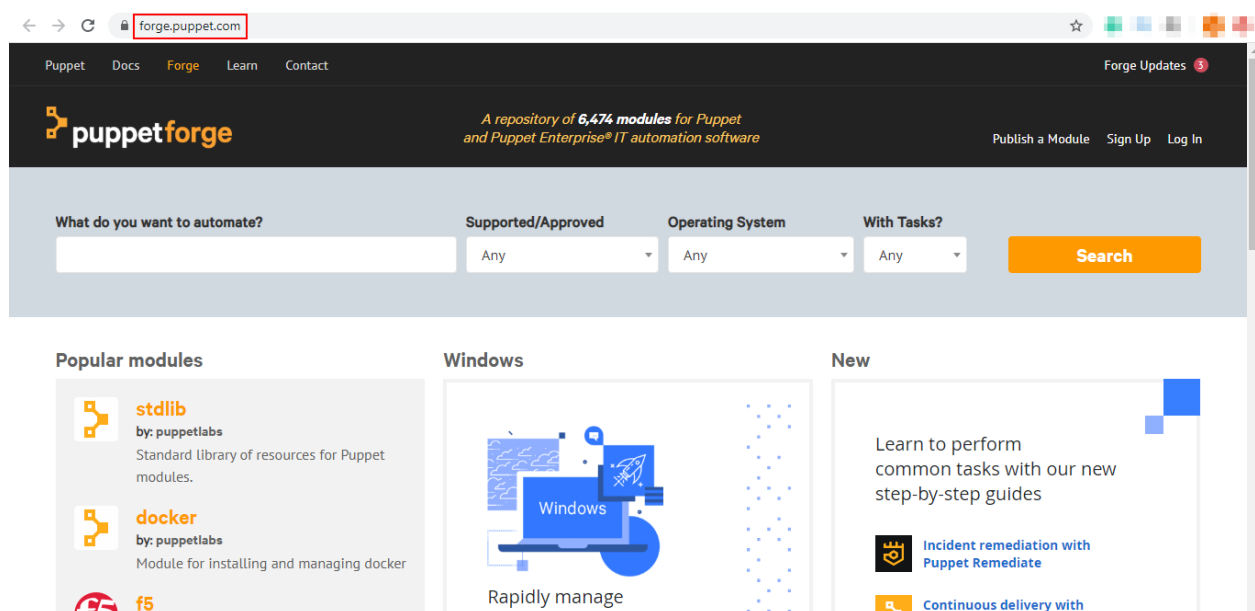
- Install Puppet modules manually and by using command line from Puppet Forge

This lab has two subsections, namely:

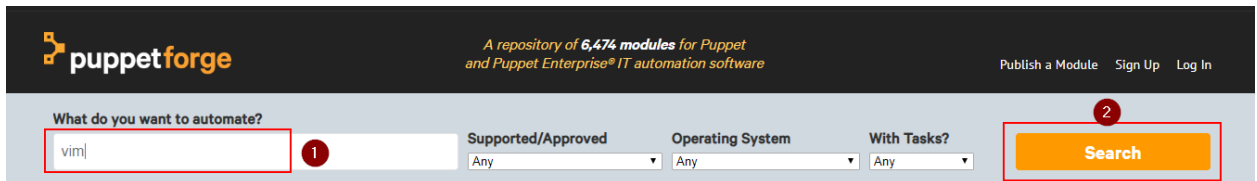
1. Installing Puppet modules manually from Puppet Forge
2. Searching for and installing Puppet modules from Puppet Forge using the command line

Step 1: Installing Puppet modules manually from Puppet Forge

- In Puppet master, open the browser and enter the URL forge.puppet.com as shown in the below screenshot:



- Enter the name of the module that you want to search for in Puppet Forge. For this assisted practice, we will search for and install a module named vim. Click on the search button.



puppetforge A repository of 6,474 modules for Puppet and Puppet Enterprise® IT automation software

Publish a Module Sign Up Log In

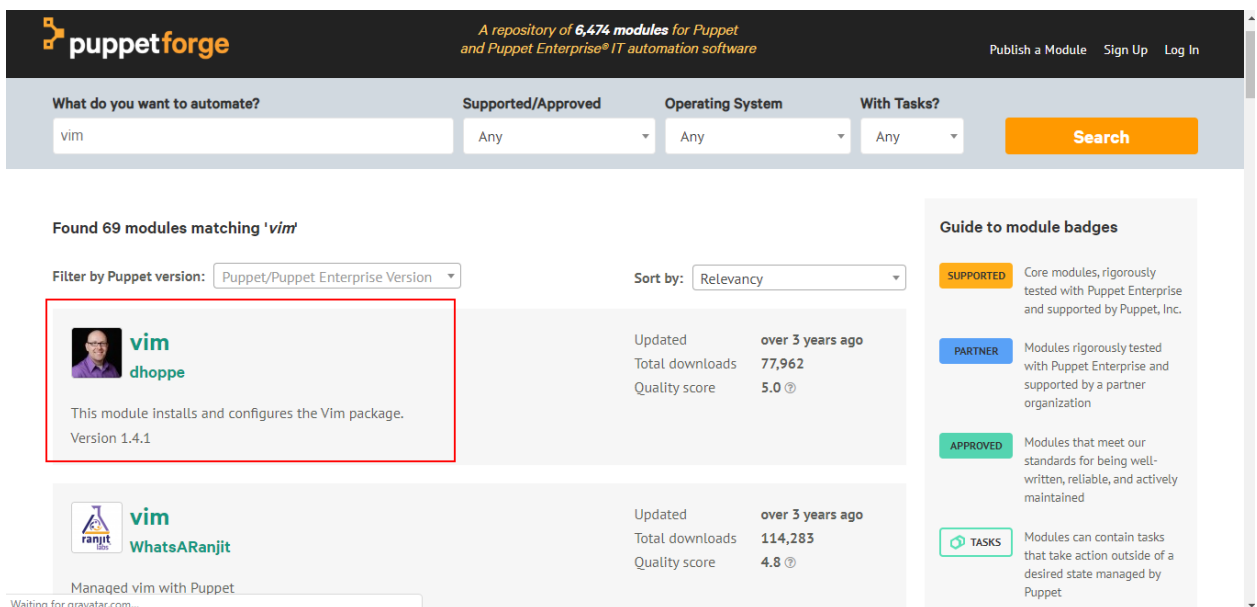
What do you want to automate?

vim

Supported/Approved Any Operating System Any With Tasks? Any

Search

- Once you get the relevant matches for your search, choose the preferred module.



puppetforge A repository of 6,474 modules for Puppet and Puppet Enterprise® IT automation software

Publish a Module Sign Up Log In

What do you want to automate?

vim

Supported/Approved Any Operating System Any With Tasks? Any

Search

Found 69 modules matching 'vim'

Filter by Puppet version: Puppet/Puppet Enterprise Version

Sort by: Relevancy

vim dhoppe

This module installs and configures the Vim package.

Version 1.4.1

Updated over 3 years ago

Total downloads 77,962

Quality score 5.0

vim WhatsARanjit

Managed vim with Puppet

Waiting for gravatar.com...

Guide to module badges

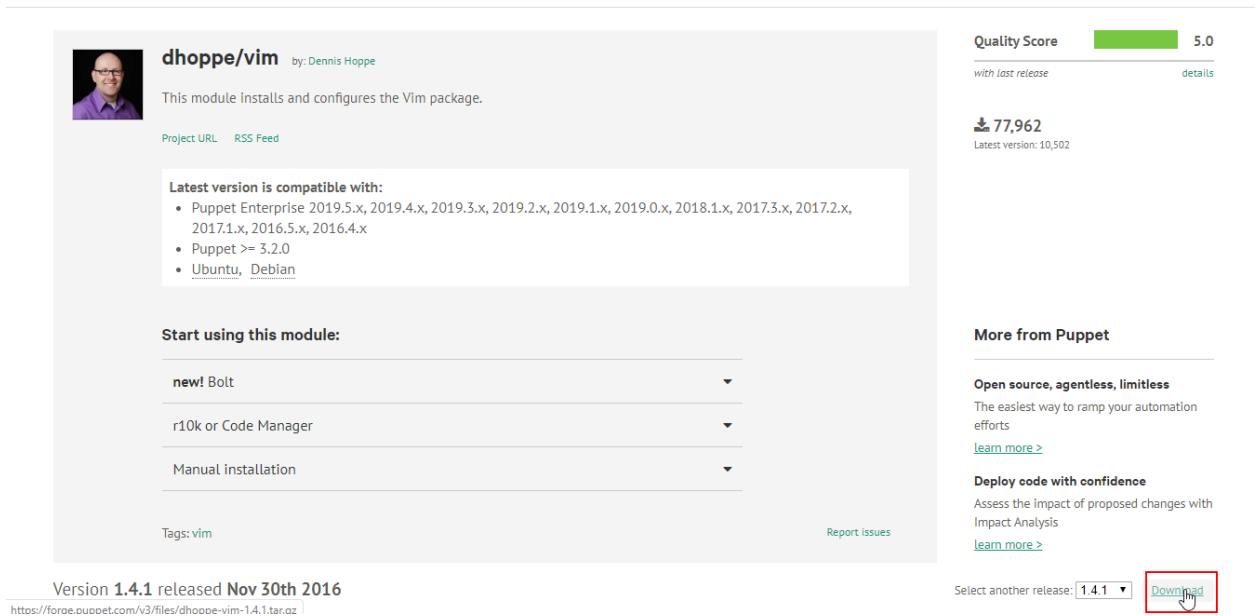
SUPPORTED Core modules, rigorously tested with Puppet Enterprise and supported by Puppet, Inc.

PARTNER Modules rigorously tested with Puppet Enterprise and supported by a partner organization

APPROVED Modules that meet our standards for being well-written, reliable, and actively maintained

TASKS Modules can contain tasks that take action outside of a desired state managed by Puppet

- Click on the download option as shown in the below screenshot:



dhoppe/vim by: Dennis Hoppe

This module installs and configures the Vim package.

Project URL RSS Feed

Latest version is compatible with:

- Puppet Enterprise 2019.5.x, 2019.4.x, 2019.3.x, 2019.2.x, 2019.1.x, 2019.0.x, 2018.1.x, 2017.3.x, 2017.2.x, 2017.1.x, 2016.5.x, 2016.4.x
- Puppet >= 3.2.0
- Ubuntu, Debian

Start using this module:

- new! Bolt
- r10k or Code Manager
- Manual installation

Tags: vim Report issues

Quality Score **5.0**
with last release details

77,962
Latest version: 10,502

More from Puppet

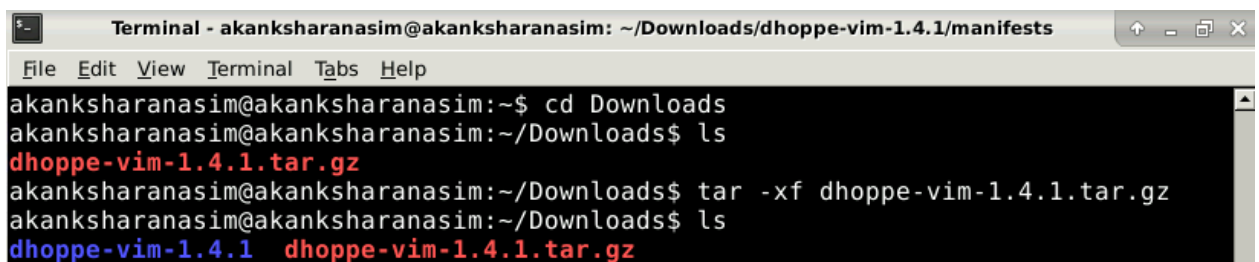
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The easiest way to ramp your automation efforts
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Deploy code with confidence
Assess the impact of proposed changes with Impact Analysis
[learn more >](#)

Version **1.4.1** released **Nov 30th 2016**
<https://forge.puppet.com/v3/files/dhoppe-vim-1.4.1.tar.gz>

Select another release: 1.4.1 **Download**

- Once the tarball is downloaded, run the following command in the terminal to extract the tar.gz file:
cd Downloads
tar -xf dhoppe-vim-1.4.1.tar.gz



```
Terminal - akanksharanasim@akanksharanasim: ~/Downloads/dhoppe-vim-1.4.1/manifests
File Edit View Terminal Tabs Help
akanksharanasim@akanksharanasim:~$ cd Downloads
akanksharanasim@akanksharanasim:~/Downloads$ ls
dhoppe-vim-1.4.1.tar.gz
akanksharanasim@akanksharanasim:~/Downloads$ tar -xf dhoppe-vim-1.4.1.tar.gz
akanksharanasim@akanksharanasim:~/Downloads$ ls
dhoppe-vim-1.4.1 dhoppe-vim-1.4.1.tar.gz
```

- All the manifests of this module will be extracted in the dhoppe-vim-1.4.1 directory
- Run the following command to navigate to the manifests directory:
sudo su -
cd
cd /etc/puppet/code/environments/production/manifests

- Run the following command:

```
sudo nano site.pp
```

- Add the following code snippet in the site.pp manifest file:

```
node default {  
  class { 'vim': }  
}
```

- Save and exit the file

Step 2: Searching for and installing Puppet modules from Puppet Forge using the command line

- Open command line terminal in Puppet master and run the following command to search for a module:

```
puppet module search nano
```

```

ubuntu@ip-172-31-22-24: ~
File Edit View Search Terminal Help
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-22-24:~$ puppet module search nano
Notice: Searching https://forgeapi.puppet.com ...
NAME                                DESCRIPTION                                AUTHOR                                KEYWORDS
cornfeedhobo-nano                   Install nano wit...                       @cornfeedhobo                       nano
rjwl-nano                           nano must die                             @rjwl                               nano
puppetfinland-nano                 Setup nano                                 @puppetfinland
jrbittner-nano                     test depencies                             @jrbittner
pdxcat-singleton                   Singleton Resour...                       @pdxcat                             packages
choria-mcollective_agent_package   Manage Operating...                       @choria
puppetlabs-mco_rpc                 Allow MCO RPC Ag...                       @puppetlabs
pltraining-userprefs               Simple user user...                       @pltraining                         training
cnacorrea-bash                     This module is m...                       @cnacorrea                         bash
pest-packages                      Module to handle...                       @pest
aysadk-esprentntp                  simple ntp based...                       @aysadk

ubuntu@ip-172-31-22-24:~$

```

- Run the following command to install cornfeedhobo-nano module:

```
puppet module install cornfeedhobo-nano
```

```
ubuntu@ip-172-31-22-24: ~  
File Edit View Search Terminal Help  
  
ubuntu@ip-172-31-22-24:~$ puppet module search nano  
Notice: Searching https://forgeapi.puppet.com ...  
NAME DESCRIPTION AUTHOR KEYWORDS  
cornfeedhobo-nano Install nano wit... @cornfeedhobo nano  
rjwl-nano nano must die @rjwl nano  
puppetfinland-nano Setup nano @puppetfinland  
jbittner-nano test depencies @jbittner  
pdxcat-singleton Singleton Resour... @pdxcat packages  
choria-mcollective_agent_package Manage Operating... @choria  
puppetlabs-mco_rpc Allow MCO RPC Ag... @puppetlabs  
pltraining-userprefs Simple user user... @pltraining training  
cnacorrea-bash This module is m... @cnacorrea bash  
pest-packages Module to handle... @pest  
aysadk-esprestontp simple ntp based... @aysadk  
ubuntu@ip-172-31-22-24:~$ puppet module install cornfeedhobo-nano  
Notice: Preparing to install into /home/ubuntu/.puppetlabs/etc/code/modules ...  
Notice: Created target directory /home/ubuntu/.puppetlabs/etc/code/modules  
Notice: Downloading from https://forgeapi.puppet.com ...  
Notice: Installing -- do not interrupt ...  
/home/ubuntu/.puppetlabs/etc/code/modules  
└─ cornfeedhobo-nano (v0.1.0)  
└─ puppetlabs-stdlib (v6.3.0)  
ubuntu@ip-172-31-22-24:~$
```