



About Me



puppet labs | forge



Tuesday, February 26, 13

Ryan was a RedHat sysadmin for Penn State before joining Puppet Labs as a professional services engineer. Now is product owner for the Forge.

Puppet Forge

forge.puppetlabs.com

Puppet Labs : Open Source Projects Support Docs Bugs

puppet labs | forge

879 modules 333,711 downloads Since February 2012

Welcome to the Puppet Forge. Puppet Forge is a repository of modules written by our community for [Puppet Open Source](#) and [Puppet Enterprise](#) IT automation software.

Featured Module

[puppetlabs/vcenter](#) – Install and manage vCenter with Puppet. VMware vCenter is a software application that provides central management of vSphere environments. It's an essential component for managing large numbers of VMware virtual machines and the fleet of ESX systems supporting those hosts. The vCenter Puppet module will build and install this for you.

[Read more on the Puppet Labs blog...](#)

Recent Releases

1. [yguenane/jpackage](#) v0.1.0
2. [tomitakussaari/snmp_tasks_rhel](#) v1.0.1
3. [rendhalver/monitoring](#) v1.0.4
4. [rendhalver/nrpe](#) v1.0.2
5. [evenup/mcollective](#) v1.1.4
6. [evenup/facter](#) v1.0.4
7. [evenup/backups](#) v0.10.5

Frequent Contributors

1. [Puppet Labs](#)
2. [Dennis Hoppe](#)
3. [Steffen Zieger](#)
4. [Garrett Honeycutt](#)
5. [Keith Burdis](#)
6. [Matthias Saou](#)
7. [Adrien Thebo](#)

[Log In](#)

[Sign Up](#)

[Publish a Module](#)

Find Modules

eg. apache, my

[All modules](#)

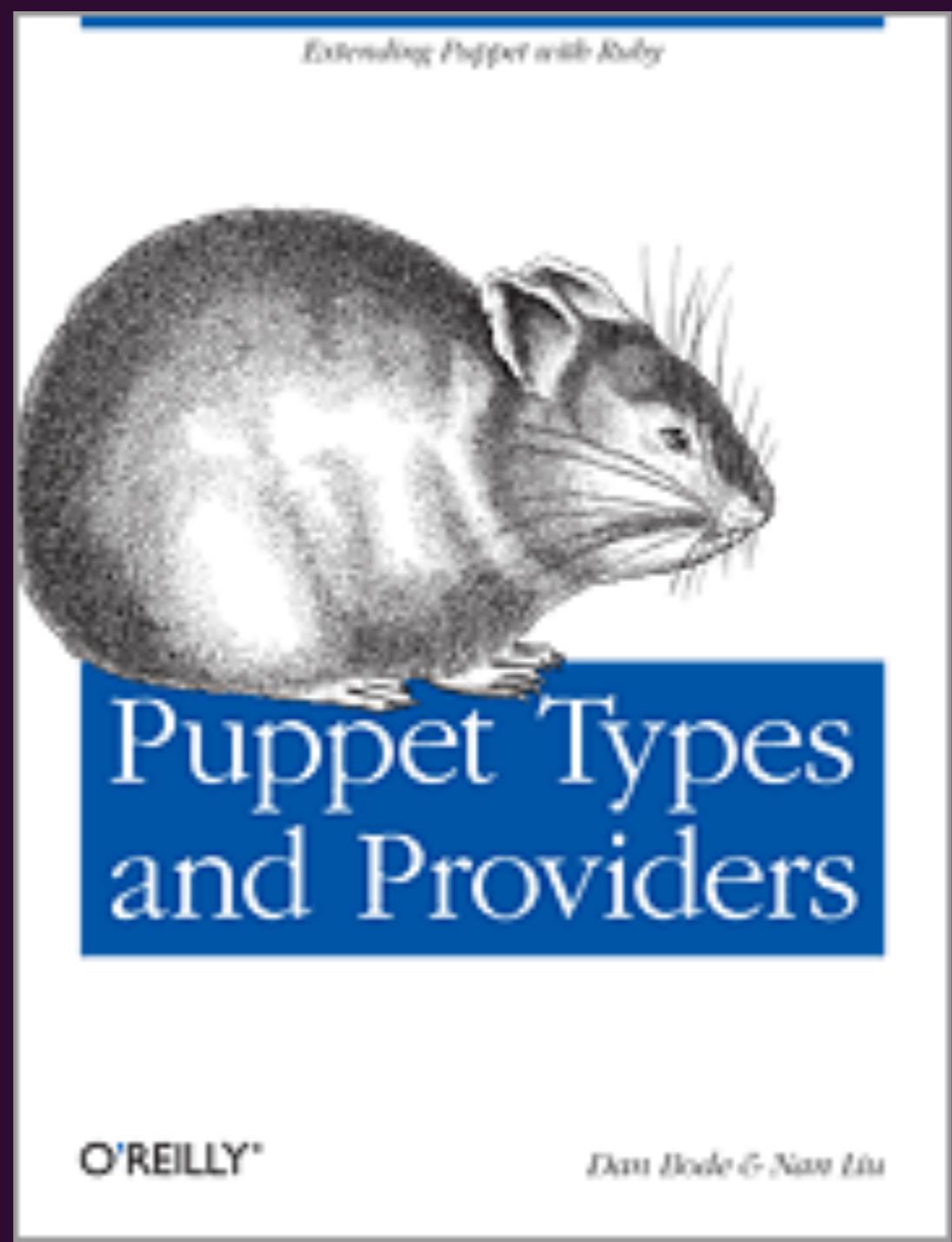
Popular Tags

[ubuntu](#) (161 modules)
[debian](#) (134 modules)
[CentOS](#) (96 modules)
[rhel](#) (94 modules)
[monitoring](#) (62 modules)
[networking](#) (55 modules)
[security](#) (50 modules)
[applications](#) (48 modules)



Tuesday, February 26, 13

The Puppet Forge is a community driven web service for contributing and finding Puppet modules.



puppet
labs | forge





Copyright 2013

tagxedo.com



Tuesday, February 26, 13

Word cloud made from forge module names. Size = frequency

cprice404/inifile - Puppet Forge

forge.puppetlabs.com/cprice404/inifile Reader

Puppet Labs : Open Source Projects Support Docs Bugs

puppet labs | forge

879 modules 333,721 downloads
Since February 2012

cprice404/inifile

 Author: [cprice404](#)
Links: [Project URL](#)
Tags: [ini](#), [settings](#), [files](#)

Latest release: [0.9.0](#)
Release date: Nov 2, 2012
Total downloads: 6,619

Other releases: [0.9.0](#) ‡

How to Install

Run this code on your puppet node using the Puppet Module Tool:

```
puppet module install cprice404/inifile
```

The Puppet Module Tool is available in Puppet 2.7.14+ and Puppet Enterprise 2.5+. [Read about installing modules](#)

Or: [Download as a .tar.gz](#)

[README](#) [Changelog](#) [Types](#)

INI-file module

This module provides resource types for use in managing INI-style configuration files. The

[Log In](#)
[Sign Up](#)
[Publish a Module](#)

Find Modules
 [Find](#)
[All modules](#)

Popular Tags

[ubuntu](#) (161 modules)
[debian](#) (134 modules)
[CentOS](#) (96 modules)
[rhel](#) (94 modules)
[monitoring](#) (62 modules)
[networking](#) (55 modules)
[security](#) (50 modules)
[applications](#) (48 modules)



Tuesday, February 26, 13

The following are examples of what you might find on the Forge.

inifile.pp

Puppet  

```
1 ini_setting { 'enable plugin sync':
2   ensure  => present,
3   path    => '/etc/puppet/puppet.conf',
4   section => 'agent',
5   setting => 'pluginsync',
6   value   => 'true',
7 }
```



jhaals/warranty · Puppet Forge
Puppet Labs : Open Source Projects Support Docs Bugs

puppet labs forge

884 modules 337,840 downloads
Since February 2012

jhaals/warranty

 Author: [Johan Haals](#)
Links: [Project URL](#)
Tags: [lenovo](#), [dell](#), [warranty](#), [linux](#), [mac](#), [windows](#)

Latest release: **0.0.4**
Release date: Sep 20, 2012
Total downloads: 168

Other releases: [0.0.4](#) ▾

How to Install

Run this code on your puppet node using the Puppet Module Tool:

```
puppet module install jhaals/warranty
```

The Puppet Module Tool is available in Puppet 2.7.14+ and Puppet Enterprise 2.5+. [Read about installing modules](#)

Or: [Download as a .tar.gz](#)

[README](#)

Warranty

This module provides additional warranty facts.

Supported Manufacturers

- [Machintosh](#)
- [Dell](#)
- [Lenovo](#)

Please contribute with for more manufacturers.

Facts

```
warranty => true
warranty_expiration => April 4, 2013
machine_type => MacBook Air (11-inch, Mid 2011)
```

Log In
Sign Up
Publish a Module

Find Modules
eg. apache, my

[All modules](#)

Popular Tags

[ubuntu \(161 modules\)](#)
[debian \(135 modules\)](#)
[CentOS \(98 modules\)](#)
[rhel \(94 modules\)](#)
[monitoring \(62 modules\)](#)
[networking \(55 modules\)](#)
[security \(51 modules\)](#)
[applications \(48 modules\)](#)
[report \(36 modules\)](#)
[puppet \(36 modules\)](#)



Tuesday, February 26, 13

maestrodev/wget · Puppet Forge

Puppet Labs : Open Source Projects Support Docs Bugs

puppet labs forge

884 modules 337,841 downloads Since February 2012

maestrodev/wget

Author: MaestroDev
Links: Project URL | Report issues
Tags: download, wget

Latest release: 1.1.0
Release date: Jan 24, 2013
Total downloads: 2,844

Other releases: 1.1.0 ▾

How to Install

Run this code on your puppet node using the Puppet Module Tool:

```
puppet module install maestrodev/wget
```

The Puppet Module Tool is available in Puppet 2.7.14+ and Puppet Enterprise 2.5+. [Read about installing modules](#)

Or: [Download as a .tar.gz](#)

[README](#)

A Puppet module to download files with wget, supporting authentication.

Example

```
include wget

wget::fetch { "download":
  source      => "http://www.google.com/index.html",
  destination => "/tmp/index.html",
  timeout     => 0,
  verbose     => false,
}

wget::authfetch { "download":
  source      => "http://www.google.com/index.html",
  destination => "/tmp/index.html",
  user        => "user",
  password    => "password",
  timeout     => 0,
  verbose     => false,
}
```

Log In

Sign Up

Publish a Module

Find Modules

eg. apache, my

[All modules](#)

Popular Tags

ubuntu (161 modules)
debian (135 modules)
CentOS (98 modules)
rhel (94 modules)
monitoring (62 modules)
networking (55 modules)
security (51 modules)
applications (48 modules)
report (36 modules)
puppet (36 modules)



Tuesday, February 26, 13

forge.puppetlabs.com/simondean/iis

Puppet Labs : Open Source Projects Support Docs Bugs

puppet labs **forge**

884 modules 337,841 downloads Since February 2012

Log In

Sign Up

Publish a Module

Find Modules

eg. apache, my Find

All modules

Popular Tags

- ubuntu (161 modules)
- debian (135 modules)
- CentOS (98 modules)
- rhel (94 modules)
- monitoring (62 modules)
- networking (55 modules)
- security (51 modules)
- applications (48 modules)
- report (36 modules)
- puppet (36 modules)

simondean/iis

 Author: Simon Dean
Links: [Project URL](#) | [Report issues](#)
Tags: appcmd, dotnet, aspnet, iis, windows, webserver

Latest release: 0.1.3
Release date: Oct 6, 2012
Total downloads: 426
Other releases: 0.1.3

How to Install

Run this code on your puppet node using the Puppet Module Tool:

```
puppet module install simondean/iis
```

The Puppet Module Tool is available in Puppet 2.7.14+ and Puppet Enterprise 2.5+. [Read about installing modules](#)

Or: [Download as a .tar.gz](#)

Types Open issues (3)

iis_apppool

Description
IIS App Pool

Parameters

name
App pool name

Properties

ensure
The basic property that the resource should be in. Valid values are `present`, `absent`.

`queueLength`



forge.puppetlabs.com/rcoleman/puppet_module

Puppet Labs : Open Source Projects Support Docs Bugs

puppet labs | **forge**

884 modules 337,842 downloads Since February 2012

rcoleman/puppet_module

 Author: [Ryan Coleman](#)
Links: [Project URL](#) | [Report issues](#)
Tags: [module](#), [provider](#), [forge](#)

Latest release: [0.0.3](#)
Release date: Jan 11, 2013
Total downloads: 62

Other releases: [0.0.3](#) ▾

How to Install

Run this code on your puppet node using the Puppet Module Tool:

```
puppet module install rcoleman/puppet_module
```

The Puppet Module Tool is available in Puppet 2.7.14+ and Puppet Enterprise 2.5+. [Read about installing modules](#)

Or: [Download as a .tar.gz](#)

[README](#) [Types](#) [Open issues \(0\)](#)

module

Description

Parameters

- `name`
- `version`
- `modulepath`
- `source`

Properties

- `ensure`

Find Modules

[All modules](#)

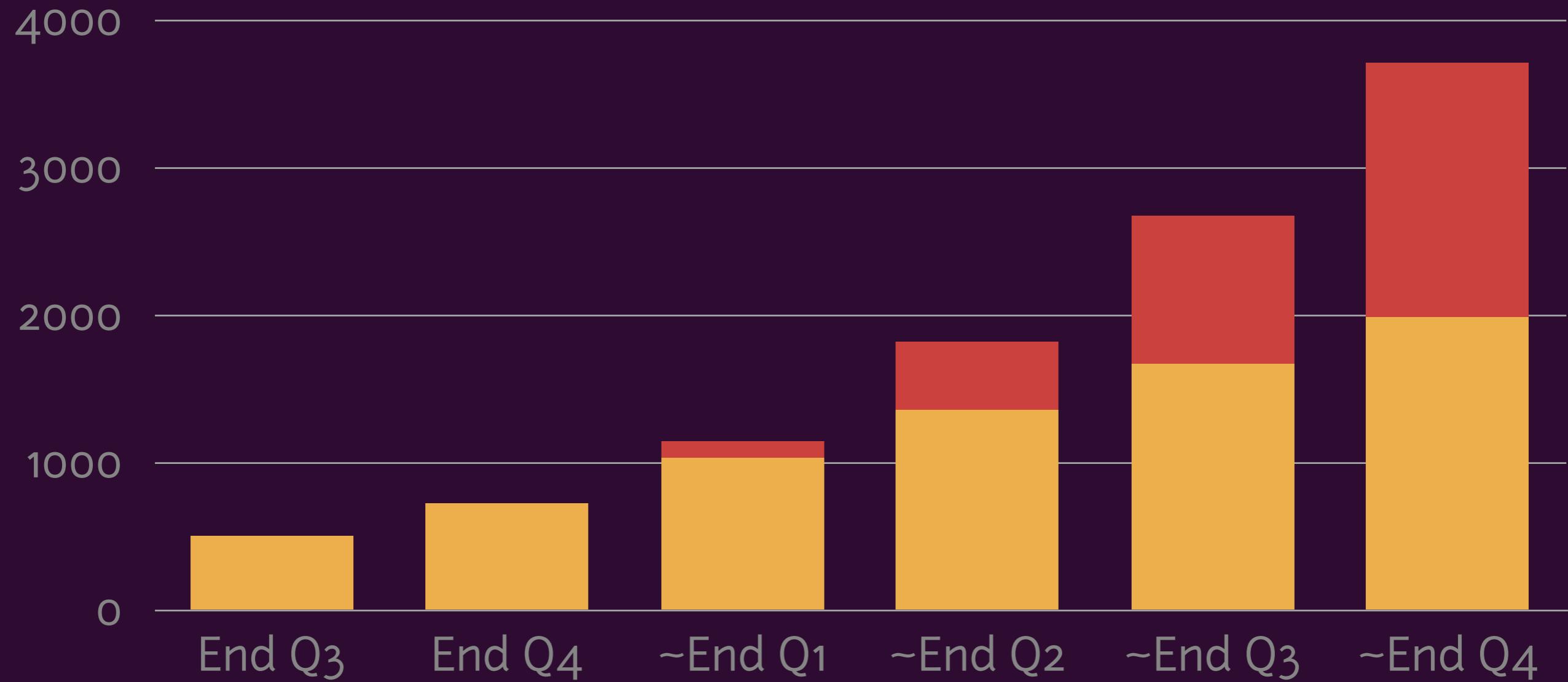
Popular Tags

- [ubuntu \(161 modules\)](#)
- [debian \(135 modules\)](#)
- [CentOS \(98 modules\)](#)
- [rhel \(94 modules\)](#)
- [monitoring \(62 modules\)](#)
- [networking \(55 modules\)](#)
- [security \(51 modules\)](#)
- [applications \(48 modules\)](#)
- [report \(36 modules\)](#)
- [puppet \(36 modules\)](#)



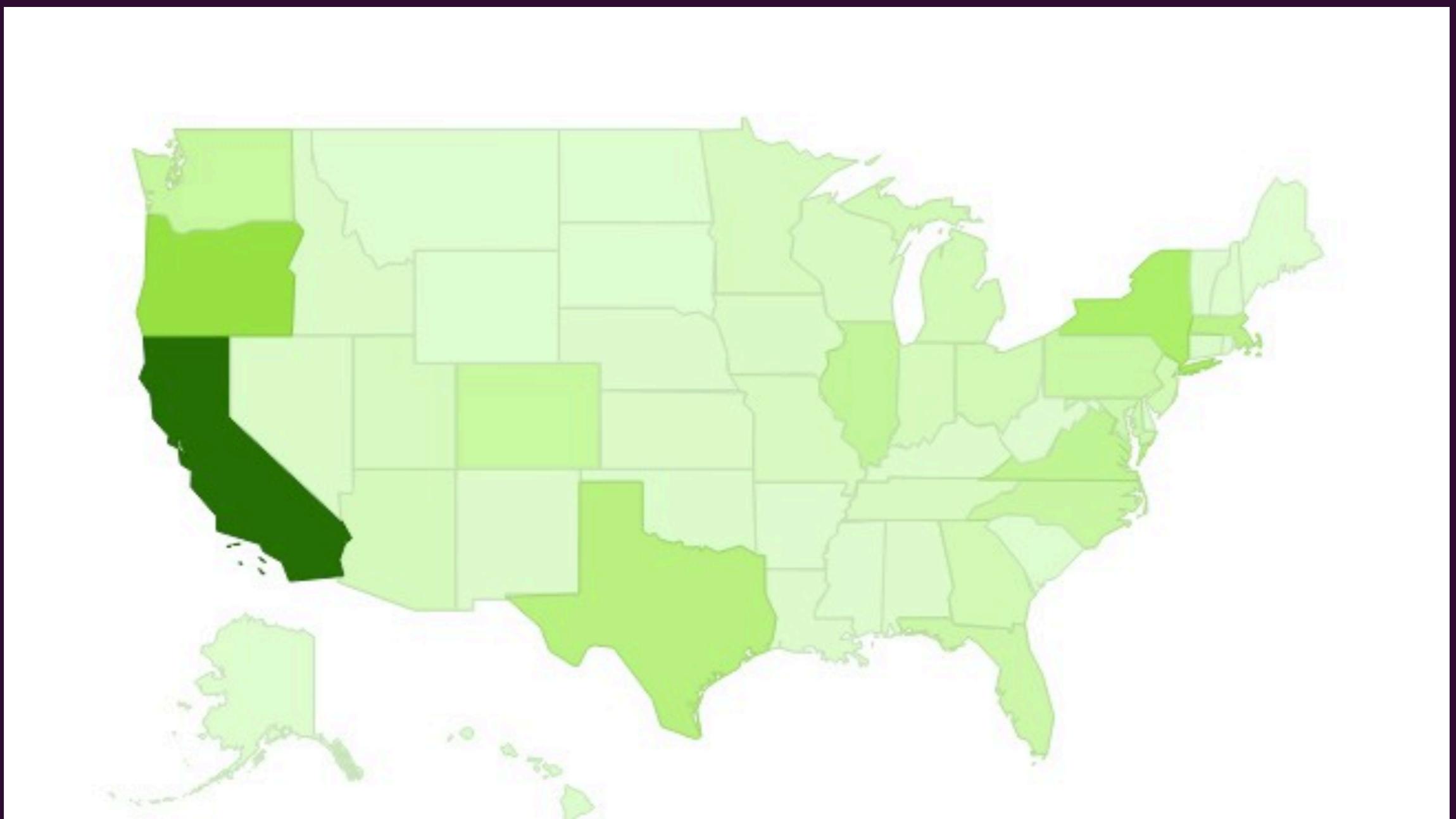
Tuesday, February 26, 13

Forge Module Count



 **puppet**_{labs} | **forge**





 puppet_{labs} | forge



Tuesday, February 26, 13

From the US, LA is the 5th largest city regarding forge traffic
- Behind the bay

install

Install a module from the Forge or a release archive.

```
# puppet module install puppetlabs-apache --version 0.0.2
```

list

List installed modules.

```
# puppet module list
```

search

Search the Forge for a module.

```
# puppet module search apache
```

uninstall

Uninstall a puppet module.

```
# puppet module uninstall puppetlabs-apache
```

upgrade

Upgrade a puppet module.

```
# puppet module upgrade puppetlabs-apache --version 0.0.3
```



puppetlabs/puppetdb · Puppet Forge

forge.puppetlabs.com/puppetlabs/puppetdb Reader

puppetlabs/puppetdb

 Author: Puppet Labs
Links: [Project URL](#) | [Report issues](#)
Tags: [storeconfig](#), [puppetdb](#), [puppet](#)

Latest release: 1.1.4
Release date: Jan 17, 2013
Total downloads: 5,154

Other releases: 1.1.4

How to Install

Run this code on your puppet node using the Puppet Module Tool:

```
puppet module install puppetlabs/puppetdb
```

The Puppet Module Tool is available in Puppet 2.7.14+ and Puppet Enterprise 2.5+. [Read about installing modules](#)

Or: [Download as a .tar.gz](#)

[README](#) [Changelog](#) [Dependencies](#) [Types](#) [Open issues \(8\)](#)

- [cprice404/inifile \(>= 0.9.0\)](#)
- [puppetlabs/postgresql \(2.x\)](#)
- [puppetlabs/firewall \(>= 0.0.4\)](#)

[Log In](#)
[Sign Up](#)
[Publish a Module](#)

Find Modules
eg. apache, my [Find](#)

[All modules](#)

Popular Tags

- [ubuntu \(161 modules\)](#)
- [debian \(134 modules\)](#)
- [CentOS \(97 modules\)](#)
- [rhel \(94 modules\)](#)
- [monitoring \(62 modules\)](#)
- [networking \(55 modules\)](#)
- [security \(50 modules\)](#)
- [applications \(48 modules\)](#)
- [report \(36 modules\)](#)



Tuesday, February 26, 13

```
2. ryan@ryan: ~ (zsh)
→ ~ puppet module install puppetlabs/puppetdb
Preparing to install into /tmp ...
Downloading from http://forge.puppetlabs.com ...
Installing -- do not interrupt ...
/tmp
└─ puppetlabs-puppetdb (v1.1.4)
    ├─ cprice404-inifile (v0.9.0)
    ├─ puppetlabs-firewall (v0.0.4)
    └─ puppetlabs-postgresql (v2.1.0)
        ├─ puppetlabs-apt (v1.1.0)
        ├─ puppetlabs-stdlib (v3.2.0)
        └─ ripienaar-concat (v0.2.0)
→ ~
```



Best Good Practices

 puppet
labs | forge



Style Guide — Documentation — Puppet Labs
docs.puppetlabs.com/guides/style_guide.html

Security Documentation Support Bug Tracker Contact Us Download Google Custom Search Search

puppet labs Products Solutions Services Resources Customers Community Company

Docs: Style Guide

Docs Home Quick Nav Contribute

Style Guide

Style Guide Metadata

Version 1.1.2

1. Terminology

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in [RFC 2119](#).

2. Puppet Version

This style guide is largely specific to Puppet versions 2.6.x; some of its recommendations are based on some language features that became available in version 2.6.0 and later.

3. Why a Style Guide?

Puppet Labs develops modules for customers and the community, and these modules should represent the best known practice for module design and style. Since these modules are developed by many people across the organisation, a central reference was needed to ensure a consistent pattern, design, and style.

Contents

- 1. 1. Terminology
- 2. 2. Puppet Version
- 3. 3. Why a Style Guide?
- 4. 4. General Philosophies
- 5. 5. Module Metadata
 - 1. 5.1. Style Versioning
- 6. 6. Spacing, Indentation, & Whitespace
- 7. 7. Comments
- 8. 8. Quoting
- 9. 9. Resources
 - 1. 9.1. Resource Names
 - 2. 9.2. Arrow Alignment
 - 3. 9.3. Attribute Ordering
 - 4. 9.4. Compression
 - 5. 9.5. Symbolic Links
 - 6. 9.6. File Modes
 - 7. 9.7. Resource Defaults
- 10. 10. Conditionals
 - 1. 10.1. Keep Resource Declarations Simple
 - 2. 10.2. Defaults for Case Statements and Selectors
- 11. 11. Classes
 - 1. 11.1. Separate Files

PL Style Guide



9.1. Resource Names

All resource titles should be quoted. (Puppet supports unquoted resource titles if they do not contain spaces or hyphens, but you should avoid them in the interest of consistent look-and-feel.)

Good:

```
package { 'openssh': ensure => present }
```

Bad:

```
package { openssh: ensure => present }
```



9.2. Arrow Alignment

All of the fat comma arrows (`=>`) in a resource's attribute/value list should be aligned. The arrows should be placed one space ahead of the longest attribute name.

Good:

```
exec { 'blah':
  path => '/usr/bin',
  cwd  => '/tmp',
}

exec { 'test':
  subscribe => File['/etc/test'],
  refreshonly => true,
}
```

Bad:

```
exec { 'blah':
  path  => '/usr/bin',
  cwd   => '/tmp',
}

exec { 'test':
  subscribe => File['/etc/test'],
  refreshonly => true,
}
```



11.1. Separate Files

All classes and resource type definitions must be in separate files in the `manifests` directory of their module. For example:

```
# /etc/puppetlabs/puppet/modules/apache/manifests

# init.pp
class apache { }
# ssl.pp
class apache::ssl { }
# virtual_host.pp
define apache::virtual_host () { }
```

This is functionally identical to declaring all classes and defines in `init.pp`, but highlights the structure of the module and makes everything more legible.



puppet-lint

puppet-lint.com

Check that your Puppet manifest conform to the style guide

Install It!

```
$ gem install puppet-lint
```

Run It!

```
$ puppet-lint --with-filename /etc/puppet/modules
foo/manifests/bar.pp: trailing whitespace found on line 1
apache/manifests/server.pp: variable not enclosed in {} on line 56
...
```

Fix Them!

Head on over to the [checks page](#) to see a description of each check and get some help on how to clear those errors.

This project is maintained by [rodjek](#)

Hosted on [GitHub Pages](#) using the Dinky theme



Code VS Data



Tuesday, February 26, 13

As you get further along with your Puppet Deployments, separating your code (puppet resources) from the data (what package, what version) becomes increasingly important.

forge.pp

```
1 class forge {
2
3   package { 'nginx':
4     ensure => '1.0.1',
5   }
6
7 }
```

puppet labs | forge



```
forge.pp
```

```
1 class forge {
2
3   package { 'nginx':
4     ensure => '1.0.1',
5   }
6
7 }
```

```
forge.pp
```

```
1 class forge {
2
3   package { $package_name:
4     ensure => $package_version,
5   }
6
7 }
```



Tuesday, February 26, 13

How do you get from A to B?



Security Documentation Support Bug Tracker Contact Us Download Google™ Custom Search Search

Products Solutions Services Resources Customers Community Company

Docs: Hiera 1: Overview

[Docs Home](#)[Quick Nav](#)[Contribute](#)

Hiera 1

- ◆ Overview
- ◆ Complete Example
- ◆ Installation
- ◆ Configuration and `hiera.yaml`
- ◆ Hierarchies
- ◆ Writing Data Sources
- ◆ Variables and Interpolation
- ◆ Usage with Puppet
- ◆ Usage on the Command Line
- ◆ Writing New Backends

Download the Docs



Download Puppet Enterprise

Hiera 1: Overview

1. [Getting Started With Hiera](#)
 1. Learning From Example
2. [Why Hiera?](#)
 1. Making Puppet Better
 2. Avoiding Repetition

Hiera is a key/value lookup tool for configuration data, built to **make Puppet better** and let you **set node-specific data without repeating yourself**. See "[Why Hiera?](#)" below for more information, or get started using it right away:

Getting Started With Hiera

To get started with Hiera, you'll need to do all of the following:

- ◆ [Install Hiera](#), if it isn't already installed.
- ◆ Make a `hiera.yaml` config file.
- ◆ Arrange a hierarchy that fits your site and data.
- ◆ Write data sources.
- ◆ Use your Hiera data in Puppet (or any other tool).

Tuesday, February 26, 13

The answer, use Hiera!

Seriously, these docs rock. Read them. <http://docs.puppetlabs.com/hiera/1/index.html>

It's MAGIC

But also, it's not...



Tuesday, February 26, 13

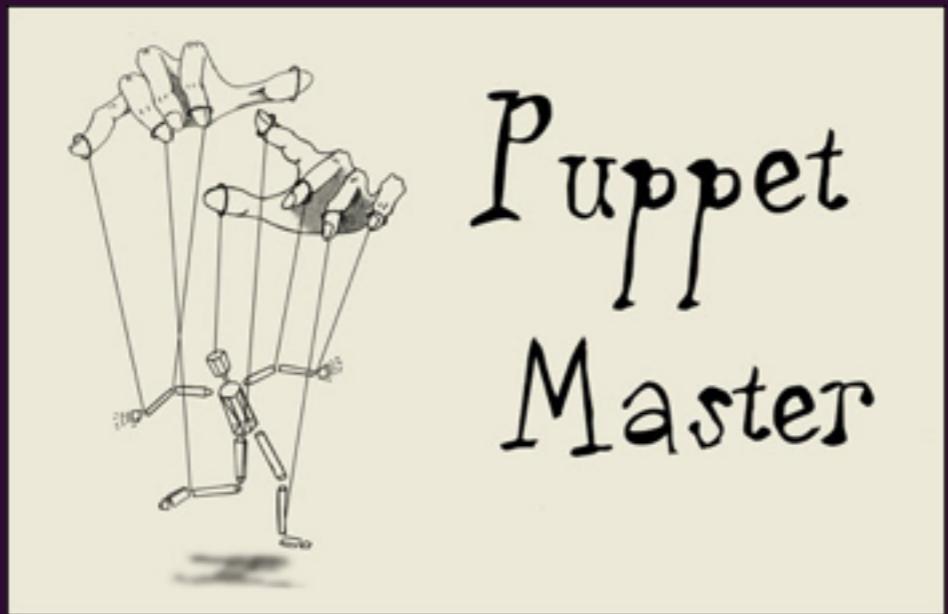
But first, let's take a closer look at a Puppet run.



Puppet Master

 puppet_{labs} | forge





puppet labs | forge





 puppet labs | forge



Puppet
Master



I need the value for
`$forge::package_name`.

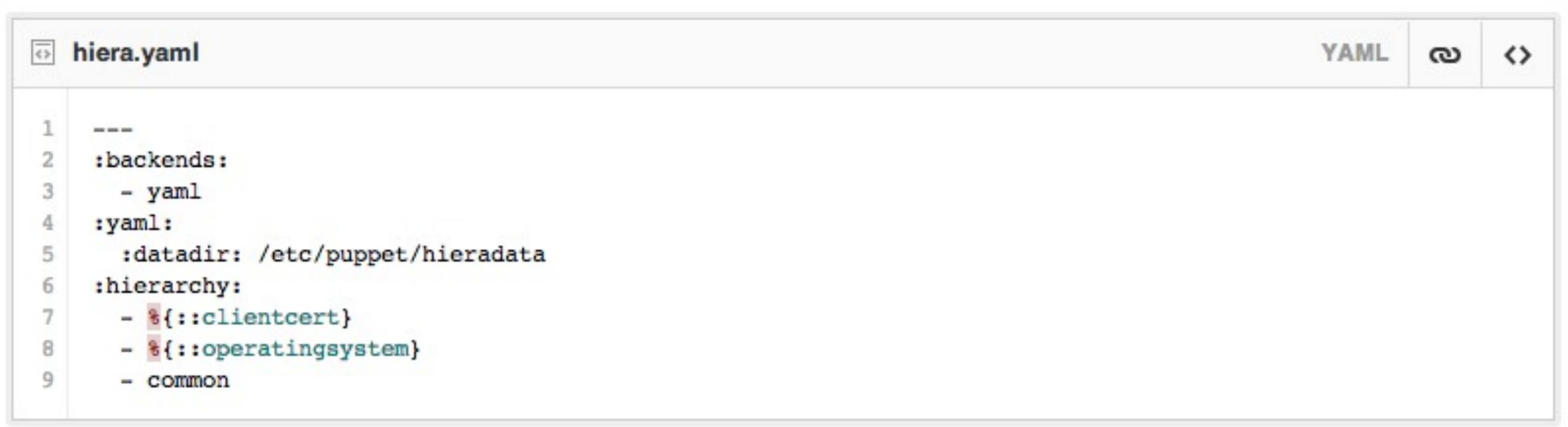
How should I conduct my
search?

 **puppet**_{labs} | **forge**



I need the value for \$forge::package_name.

How should I conduct my search?



```
hiera.yaml
```

```
YAML
```

```
---  
:backends:  
  - yaml  
:yaml:  
  :datadir: /etc/puppet/hieradata  
:hierarchy:  
  - %{:clientcert}  
  - %{:operatingsystem}  
  - common
```



Tuesday, February 26, 13

Hiera lets you express data in some structured format (which is pluggable).

You then establish a hierarchy of lookup, however you like, usually based on facts.

I need the value for \$forge::package_name.

How should I conduct my search?

\$clientcert

\$operatingsystem

common

```
hiera.yaml
YAML
---  
:backends:  
  - yaml  
:yaml:  
  :datadir: /etc/puppet/hieradata  
:hierarchy:  
  - ::clientcert  
  - ::operatingsystem  
  - common
```



Tuesday, February 26, 13

Consider your hierarchy the lookup order.



? \$forge::package_name

\$clientcert

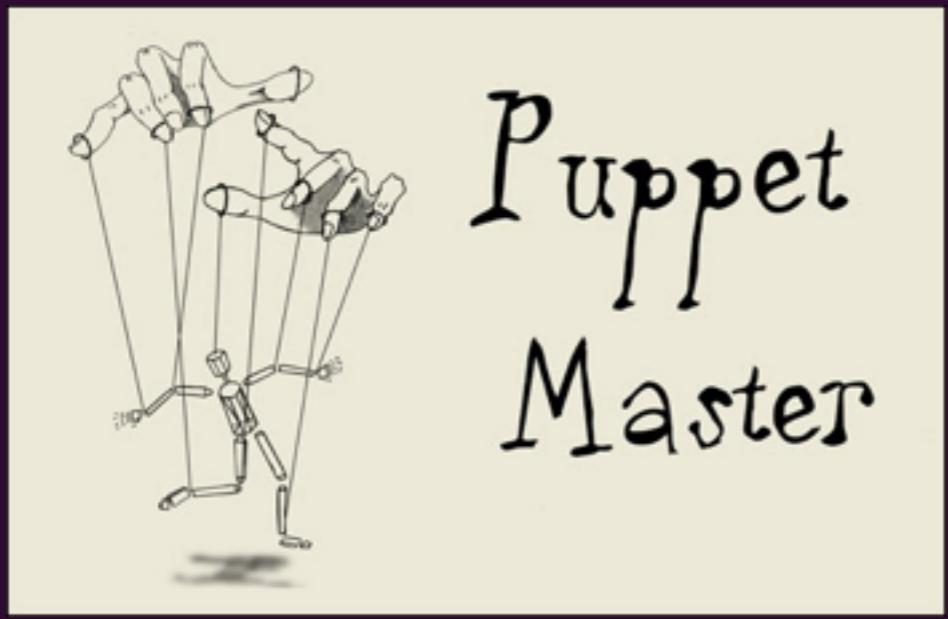
\$operatingsystem

common



puppet
labs | forge





Puppet Master



? \$forge::package_name

\$james_bond

\$RedHat

common

 puppet
labs | forge



? \$forge::package_name

\$james_bond

```
james_bond.yaml
YAML ⌂ ⌂
1 region: 'us'
```

\$RedHat

```
RedHat.yaml
YAML ⌂ ⌂
1 puppetdb::database: 'embedded'
```

common

```
common.yaml
YAML ⌂ ⌂
1 forge::package: 'screen'
```



Tuesday, February 26, 13

Hiera will simply consult the structured data, looking for variable names, expecting files named after your entry in hiera.yaml

? \$forge::package_name

\$james_bond

```
james_bond.yaml
YAML @ <>
1 region: 'us'
```

\$RedHat

```
RedHat.yaml
YAML @ <>
1 puppetdb::database: 'embedded'
2 forge::package: 'tmux'
```

common

```
common.yaml
YAML @ <>
1 forge::package: 'screen'
```



Tuesday, February 26, 13

Hierarchy matters. The package name is now tmux.

Ok, so how do I implement it?



Tuesday, February 26, 13

Thankfully, Puppet 3 has made implementing Hiera really simple.

```
common.yaml  
1 forge::package: 'screen'
```

```
init.pp  
1 class forge {  
2  
3   $package_name = hiera('forge::package')  
4  
5   package { $package_name:  
6     ensure => present,  
7   }  
8  
9 }
```

```
site.pp  
1 include forge
```



Tuesday, February 26, 13

Please don't use the hiera() function. Consider it legacy.

```
common.yaml
YAML | ↗ | ⌂

1 forge::package: 'screen'
```

```
init.pp
Puppet | ↗ | ⌂

1 class forge{
2   $package_name = hiera('forge::package')
3 }
4
5 package { $package_name:
6   ensure => present,
7 }
8
9 }
```

```
site.pp
Puppet | ↗ | ⌂

1 class { 'forge':
2   package_name => 'ssh',
3 }
```



Tuesday, February 26, 13

This is better, as the user can override this default parameter value.

With this, you're locked into hiera.

```
common.yaml
YAML ⌂ ⌂

1 forge::package: 'screen'
```

```
init.pp
Puppet ⌂ ⌂

1 class forge(
2   $package_name = 'ssh'
3 ) {
4
5   package { $package_name:
6     ensure => present,
7   }
8
9 }
```

```
site.pp
Puppet ⌂ ⌂

1 class { 'forge': } # OR # include forge
```



Tuesday, February 26, 13

But really, just get yourself onto Puppet 3 and take advantage of automatic Hiera!

Data Bindings

don't lock yourself in



Tuesday, February 26, 13

Additionally, protect yourself from a potential loss of Hiera.

Data Lookup Order

- Use explicit class declaration values
- Query Data Binding
- Use the default value from class.
- Fail compilation with an error if no value can be found.



Built into Puppet 3

Indirection Reference — Documentation — Puppet Labs

 docs.puppetlabs.com/references/latest/indirection.html#databinding

data_binding

Where to find external data bindings.

- ◆ **Terminus Setting:** `data_binding_terminus`

hiera

- | Retrieve data using Hiera.

none

- | A Dummy terminus that always returns nil for data lookups.



domcleal/foreman_data_binding · Puppet Forge

forge.puppetlabs.com/domcleal/foreman_data_binding

Puppet Labs : Open Source Projects Support Docs Bugs

puppet labs forge

882 modules 334,573 downloads
Since February 2012

domcleal/foreman_data_binding

 Author: Dominic Cleal
Links: [Project URL](#) | [Report issues](#)
Tags: [hiera](#), [terminus](#), [data_binding](#), [class](#), [data](#), [foreman](#)

Latest release: **0.1.0**
Release date: Jan 18, 2013
Total downloads: 17

How to Install

Run this code on your puppet node using the Puppet Module Tool:

```
puppet module install domcleal/foreman_data_binding
```

The Puppet Module Tool is available in Puppet 2.7.14+ and Puppet Enterprise 2.5+ [Read about installing modules](#)

Or: [Download as a .tar.gz](#)

[README](#) [License](#) [Open issues \(0\)](#)

foreman_data_binding

Data binding terminus for Puppet 3+ that uses Foreman's smart class parameters feature to resolve class parameters. Drop-in replacement for Hiera

Log In

Sign Up

Publish a Module

Find Modules

eg. apache, my

[All modules](#)

Popular Tags

[ubuntu \(161 modules\)](#)
[debian \(134 modules\)](#)
[CentOS \(97 modules\)](#)
[rhel \(94 modules\)](#)
[monitoring \(62 modules\)](#)
[networking \(55 modules\)](#)
[security \(50 modules\)](#)
[applications \(48 modules\)](#)



Tuesday, February 26, 13

```
common.yaml
YAML ⌂ ⌂

1 forge::package: 'screen'
```

```
init.pp
Puppet ⌂ ⌂

1 class forge(
2   $package_name = 'ssh'
3 ) {
4
5   package { $package_name:
6     ensure => present,
7   }
8
9 }
```

```
site.pp
Puppet ⌂ ⌂

1 class { 'forge': } # OR # include forge
```



Tuesday, February 26, 13

But really, just get yourself onto Puppet 3 and take advantage of automatic Hiera!

Best Practices

- Confirm to the Style Guide
- Use Parameterized Classes
- Don't use hiera() directly



Interfaces

 puppet
labs | forge



bad.pp

Puppet

```
1 node 'forge-website' {
2
3   class { 'forge::package':
4     package_name => 'nginx',
5   }
6
7   class { 'forge::service':
8     service_name => 'unicorn',
9     port          => '443',
10    }
11
12 }
```



good.pp

Puppet

```
1 node 'forge-website' {
2
3   class { 'forge':
4     package_name => 'nginx',
5     port          => '443',
6   }
7
8 }
```



good.pp

Puppet

```
1 node 'forge-website' {
2
3   class { 'forge':
4     package_name => 'nginx',
5     port          => '443',
6     manage_nginx  => false,
7   }
8
9 }
10
11 # somewhere else
12 class forge {
13
14   ...
15
16   if $forge::manage_nginx {
17     include nginx
18     nginx::vhost { 'forge':
19       vhostroot => '/var/www/forge',
20       port      => 443,
21     }
22   }
23
24 }
25
26
27
28 }
```



The Team



puppet labs | forge



Tuesday, February 26, 13

What have we been up to?

- Re-launch and Re-design



Tuesday, February 26, 13

Though we're small, we've been really busy!



Tuesday, February 26, 13

puppetlabs/apache - Puppet Forge

Puppet Labs : Open Source Projects Support Docs Bugs

puppet labs forge

puppetlabs/apache

Author: Puppet Labs
 Links: Project URL | Report issues
 Tags: httpd, virtualhost, web, apache

Latest release: 0.5.0-rc1
 Release date: Dec 1, 2012
 Total downloads: 10,185
 Other releases: 0.5.0-rc1

How to Install
 Run this code on your puppet node using the Puppet Module Tool:

```
puppet module install puppetlabs/apache
```

 The Puppet Module Tool is available in Puppet 2.7.14+ and Puppet Enterprise 2.5+. [Read about installing modules](#)
 Or: [Download as a .tar.gz](#)

[README](#) [Changelog](#) [Dependencies](#) [Types](#) [License](#)

Puppetlabs module for Apache

Apache is widely-used web server and this module will allow to configure various modules and setup virtual hosts with minimal effort.

Basic usage

To install Apache

```
class {'apache': }
```

To install the Apache PHP module

```
class {'apache::mod::php': }
```

Configure a virtual host

You can easily configure many parameters of a virtual host. A minimal example is:

```
apache::vhost { 'www.example.com':
  priority      => '10',
  vhost_name   => '192.0.2.1',
  port          => '80',
}
```

A slightly more complicated example, which moves the docroot and logfile to an alternate location, might be:

```
apache::vhost { 'www.example.com':
  priority      => '10',
  vhost_name   => '192.0.2.1',
  port          => '80',
  docroot       => '/home/www.example.com/docroot/',
  logroot       => '/srv/www.example.com/logroot/',
  serveradmin   => 'webmaster@example.com',
  serveraliases => ['example.com'],
}
```

[Dependencies](#)

Log In
Sign Up
Publish a Module

Find Modules
 eg. apache, mysql
[All modules](#)

Popular Tags

- ubuntu (161 modules)
- debian (134 modules)
- CentOS (97 modules)
- rhel (94 modules)
- monitoring (62 modules)
- networking (55 modules)
- security (50 modules)
- applications (48 modules)
- report (36 modules)
- puppet (36 modules)



Tuesday, February 26, 13

Lots of little features add up to a substantially nicer to use Forge.

What have we been up to?

- Re-launch and Re-design
- PMT Fixes (prep for publish)
- Download Counts



Search · apache · Puppet Forge
forge.puppetlabs.com/modules?utf-8=✓&q=apache

Puppet Labs : Open Source Projects Support Docs Bugs

puppet labs | forge

884 modules 337,834 downloads
Since February 2012

Modules matching 'apache'

34 modules found

nodes/php 189 downloads
Puppet module to manage PHP on debian (and others)
Version 0.2.1 released Jan 29, 2013 | 117 downloads of this version

jlondon/phpmyadmin 35 downloads
Puppet phpMyAdmin module
Version 0.0.1 released Jan 18, 2013 | 35 downloads of this version

blom/rpaf 27 downloads
mod_rpaf module
Version 0.0.1 released Jan 12, 2013 | 27 downloads of this version

maestrodev/activemq 161 downloads
Install and manage Apache ActiveMQ
Version 1.0.0 released Dec 19, 2012 | 161 downloads of this version

Log In
Sign Up
Publish a Module

Find Modules
eg. apache, my

All modules

Popular Tags

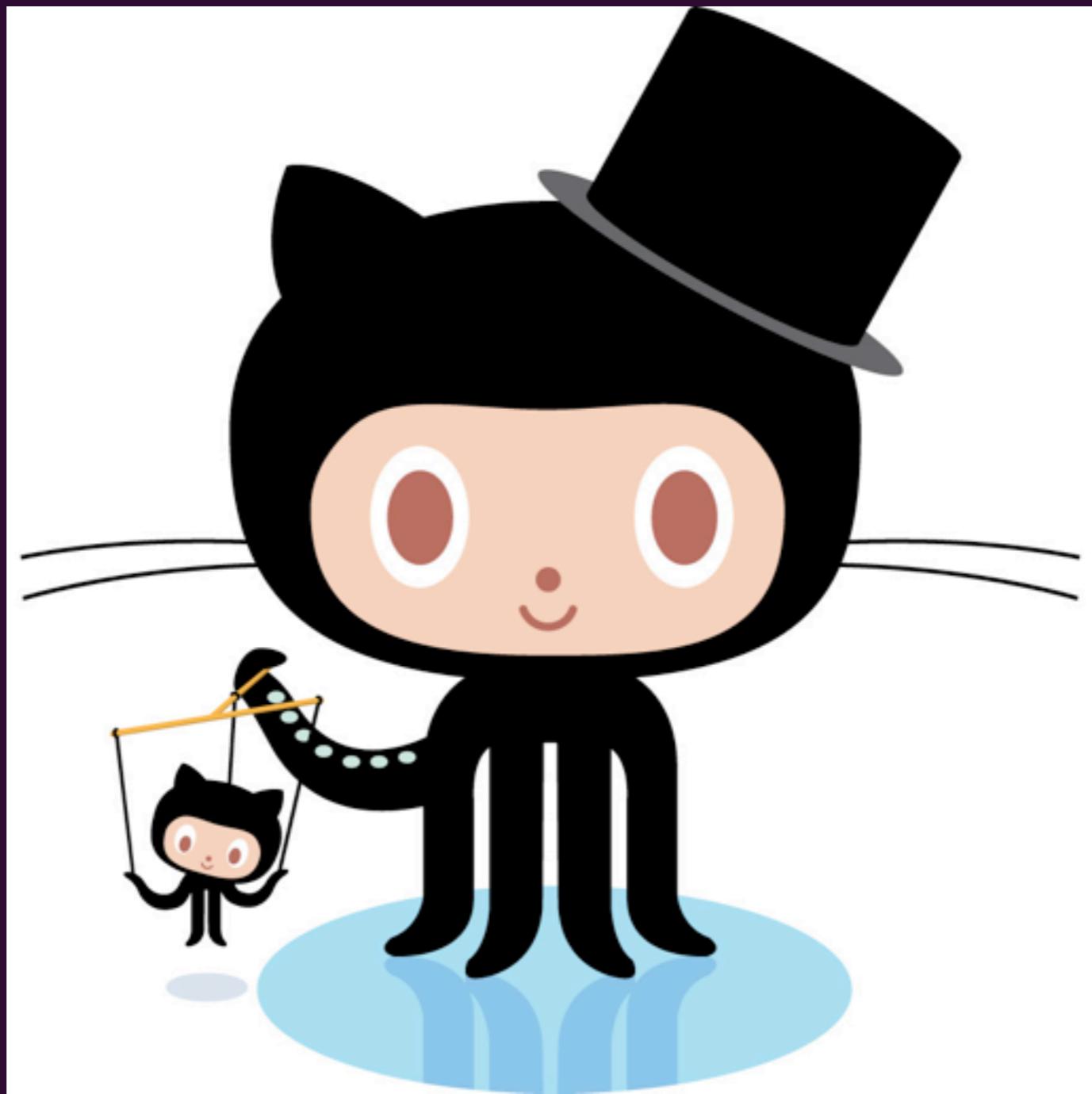
ubuntu (161 modules)
debian (135 modules)
CentOS (98 modules)
rhel (94 modules)
monitoring (62 modules)
networking (55 modules)
security (51 modules)
applications (48 modules)
report (36 modules)



Tuesday, February 26, 13

Download counts, now in your search results!

What's Next?



GitHub Publish

puppet labs | forge



Tuesday, February 26, 13

Edit your Modulefile, push your commit and we'll do the publishing! Coming soon to a repository near you.

What's Next?

Puppet Forge API documentation

Version v2

[email](#)
[files](#)
[modules](#)
[oauth2](#)
[password](#)
[releases](#)
[statistics](#)
[tags](#)
[user](#)
[users](#)
[version](#)

Version v1

[files](#)
[modules](#)
[releases](#)
[users](#)

A Full & Public API

 **puppet** labs | **forge**



Tuesday, February 26, 13

Also coming soon, an actual API for doing all sorts of things with the Forge.

What's Next?

Puppet Labs : Open Source Projects Support Docs Bugs



829 modules 276,938 downloads
Since February 2012

Find modules

Sort

 Most recent Most downloads Highest rating

Filter

 Modules (36) Authors (2) Modules of the Week (4) Puppet Labs modules (3) Puppet supported (1) ▾

Showing 39 modules for 'Apache'

brightbox/
apache
This module installs and manages apache
version 2.0.0 released 2 days ago

↓ 88 downloads ★★★★☆ 36 ratings

example42/
apache
This module installs and manages apache
version 1.0.1 released 1 week ago

↓ 400 downloads ★★★★★ 137 ratings

saltycowdog/
apache
This module installs and manages apache
version 2.0.1 released Feb 3, 2012

↓ 178 downloads ★★★★☆ 89 ratings

ghoneycutt/
apache
Manages apache servers, remote restarts, and mod_ssl, mod_php, mod_python, mod_perl
version 2.0.1 released Feb 3, 2012

↓ 570 downloads ★★★☆☆ 111 ratings

[Log In](#)[Sign Up](#)[Publish a Module](#)

Popular Tags

[ubuntu \(155 modules\)](#)[debian \(131 modules\)](#)[rhel \(89 modules\)](#)[CentOS \(89 modules\)](#)[monitoring \(55 modules\)](#)[security \(50 modules\)](#)[networking \(50 modules\)](#)[applications \(48 modules\)](#)[report \(36 modules\)](#)[apache \(34 modules\)](#)

Tuesday, February 26, 13

Just an experimental mock-up of search results. Actual feature will absolutely look and behave differently.

“I want my



puppet labs | forge



Tuesday, February 26, 13

Private Forge has been a common request.

PulpProject.org



puppet labs | forge



Tuesday, February 26, 13

RedHat's Pulp Project is repository management software that recently added support for Puppet Modules.



- Manage Modules on-premise
- Mirror Public Forge
- BUT, please work with me on this
 - Email me or comment on #5033



Tuesday, February 26, 13

If you're interested in this, email ryan@puppetlabs.com or add your thoughts to <https://projects.puppetlabs.com/issues/5033>.

We're going to do something in this space, but want to hear more from you on what you need.

Want to help?



 **puppet**_{labs} | **forge**



Tuesday, February 26, 13

If you want to add your influence to our products, join the Puppet Labs Test Pilots program!

<https://puppetlabs.com/community/puppet-test-pilots-program/>



- Sharpen your skills
- Get Certified
- Online learning on the way
- puppetlabs.com/education



Tuesday, February 26, 13

Our education courses are carefully crafted and delivered by our fabulous education team and professional services team.

Advanced course coming to LA 3/19

Browse upcoming events at <http://puppetlabs.eventbrite.com/>



BOXEN

QUIT WORRYING ABOUT YOUR TOOLS.

Automate the pain out of your development environment. Boxen installs your dependencies so you can focus on getting things done.

DOWNLOAD
• ON GITHUB •

FEATURES >>

PROTECT YOURSELF, *FROM YOURSELF.*

Manage the dependencies of all of your apps in one place.

A FUTURE, WITH JETPACKS.

Need a few different databases and languages to run your apps?

We've got you covered.
They're just a few lines of

KEEP YOUR HEAD.

Worried you might miss out on a crucial update?

Don't! Each time you run your `boxen`, it automagically™ updates to the latest release.



JUST ADD FIRE.

Fully configurable, instant dev environments for you

Read more!

<http://garylarizza.com>



Tuesday, February 26, 13

Gary Larizza has a great blog post on Boxen.

<http://garylarizza.com/blog/2013/02/15/puppet-plus-github-equals-laptop-love/>

WE'RE HIRING!

- Puppet Forge Module Engineer
 - <http://bit.ly/15wdruk>
 - puppetlabs.com/jobs



Tuesday, February 26, 13

Seriously, join our team. It'll be awesome.