

The Puppet Show



The problem



- Let's say we have a bunch of servers
- Custom scripts to administer them
- Touching config files manually
- Duplication of work even in servers with same Operating System / same services
- No history of the changes
- Hard to communicate between sysadmins
- Impossible to review changes
- Impossible to automate testing/QA

The solution



- A central storage place for all the configs
- Easy and secure distribution of the configs along the servers
- Categorize the servers / services
- Conditions of the installed configs per server / service
- History, revisions, diff ...
- Handle misc files, users, cronjobs, runlevels etc
- Support different operating systems

What is Puppet



- Central Configuration management system
- IT automation software
- ... and it supports every dot of the previous slide :)
- Open Source, Written in Ruby
- Has its own simple declarative language
- Manifests, modules
- Custom data types in ruby
- Text files (filebucket), smoke tests, templates

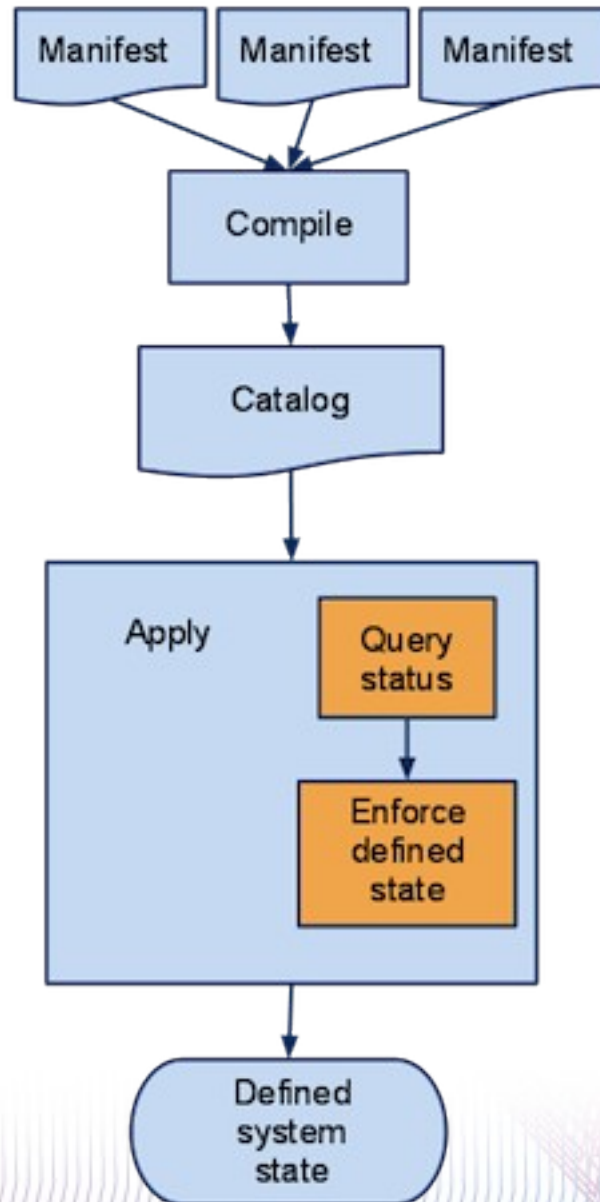
What is Puppet



- Community oriented
 - Puppetdashboard / Puppet forge
 - IRC / mailing lists
 - Puppet Camp / PuppetConf / Puppet User Groups & Devops Groups
- Puppet Enterprise
- PuppetLabs



Process



Let's write some code!



- Example: Puppetmaster distributes a simple manifest to several agents, running different OS
- Then we are going to write a few simple manifests
- You need puppet installed in your system