

«Puppet»

Configuration Management



Christian Hofstaedtler

Infrastructure Manager /
Architect /
for Web Stuff ...

Not working for ReductiveLabs.com

CM = ?

Puppet OS Support:

Multiple Linux Distros
(RHEL, Debian, SUSE, Ubuntu, etc)
AIX / HPUX / Solaris

Windows: coming soon

Can manage, natively:

Packages

Files

Users

Cron

“exec()”

Nagios

And more (coming)!

Easily extensible.

Minimal Setup

- Server. "puppetmasterd"
- Client. "puppetd"
- Have working DNS.

USE THE LATEST VERSION

Minimal Configuration

```
$ cat site.pp
node default {
  notice("hello $fqdn")
  package { "vim":
    ensure => installed
  }
  file { "/etc/motd":
    Content => "omghi2u2 $fqdn\n",
  }
}
```


Stored Configurations

Use PG.

Philosophy:

Managing is knowing, not guessing.

Limitations

Cannot **easily** manage file snippets

Cannot **easily** push stuff *once*

Users

Alfresco

Ebay

Debian

Google

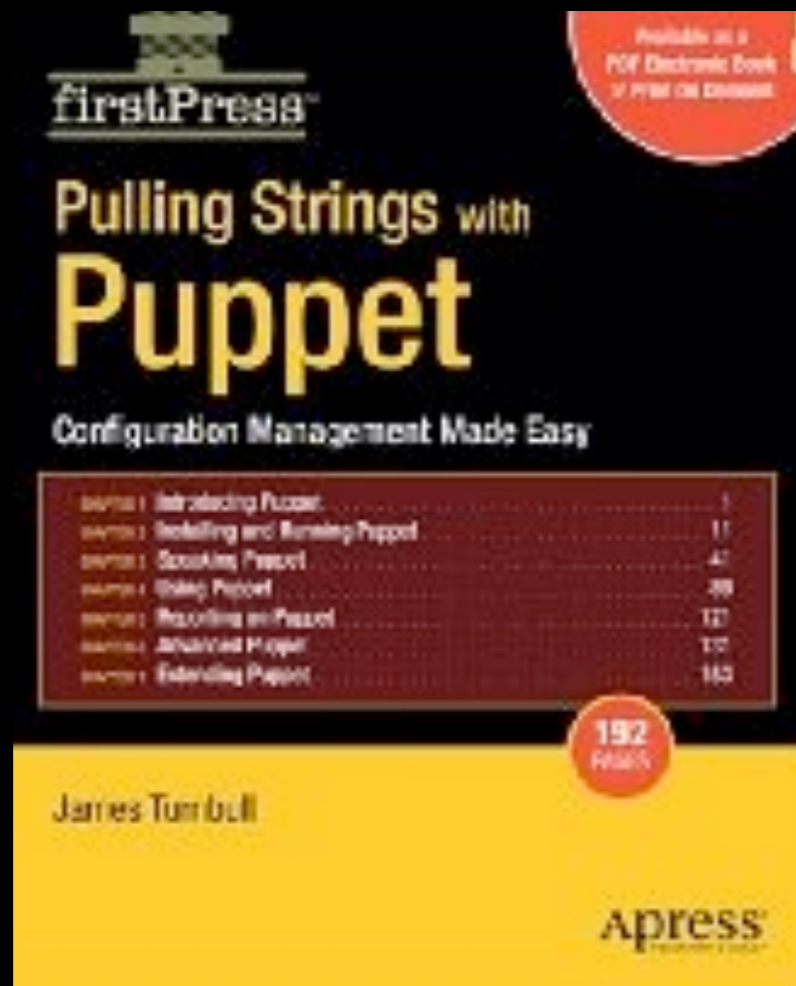
Infineon

Stanford University

Speakeasy.net

Red Hat

Start Here



Book: Pulling Strings with Puppet

IRC: FreeNode #puppet

Google Group:
Puppet-users

Wiki: LanguageTutorial &
TypeReference

www.reductivelabs.com

PostgreSQL Management

Plain “defines” in Puppet DSL
Manages roles & databases

<http://github.com/lak/puppet-postgres/>

postgresql.conf & friends: use file{}

PostgreSQL Management

```
postgres::role { "tom":  
  ensure => present,  
  password => "1234",  
}
```

```
postgres::database { "world":  
  ensure => present,  
  owner => tom,  
}
```