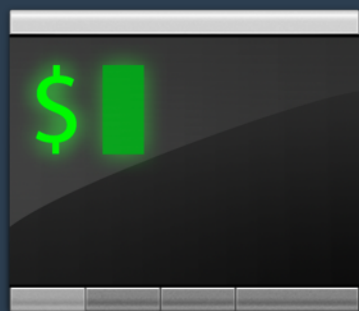


PUPPET ON OS X

GRAHAM GILBERT

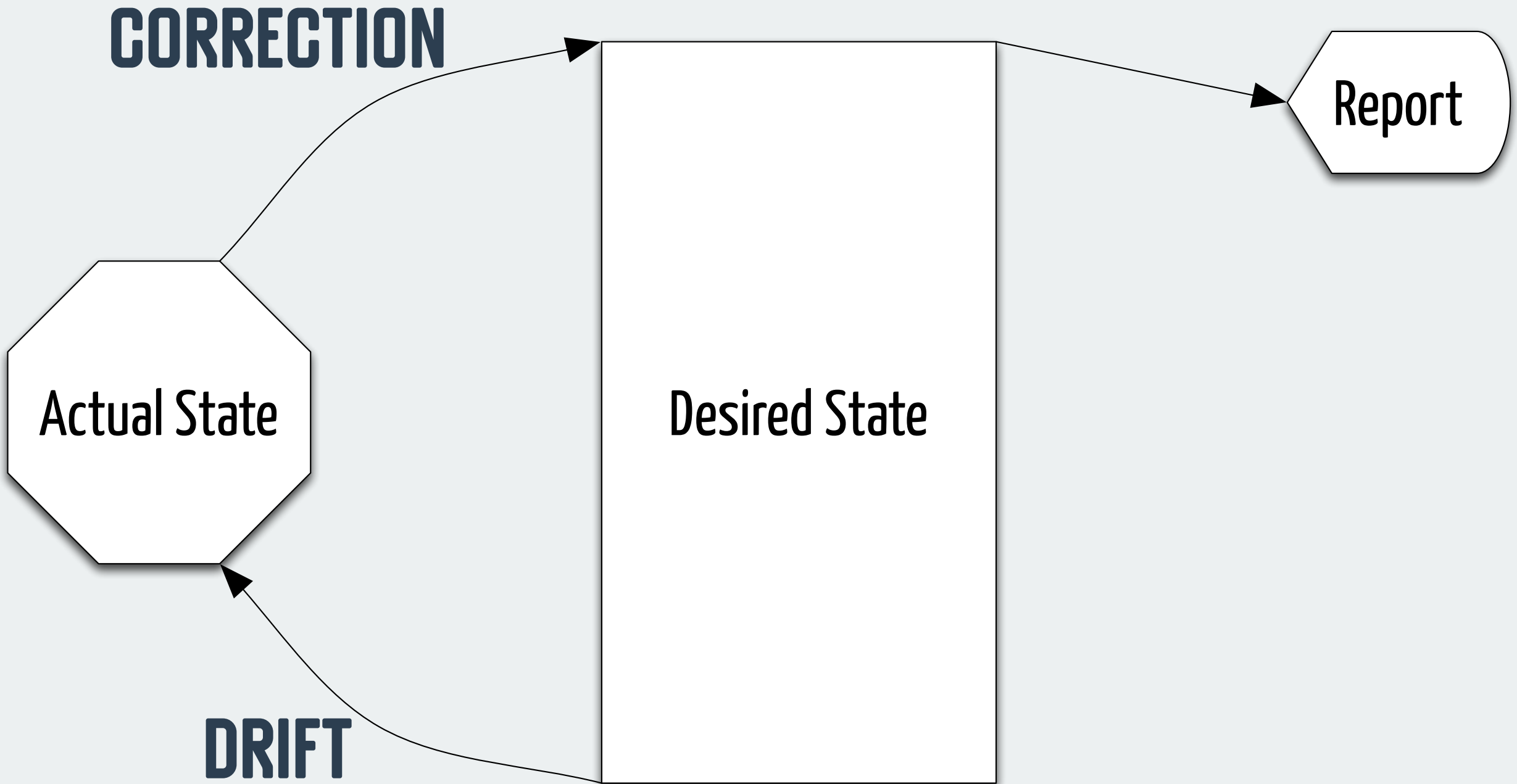
PUPPET?

HOW I USED TO DO IT



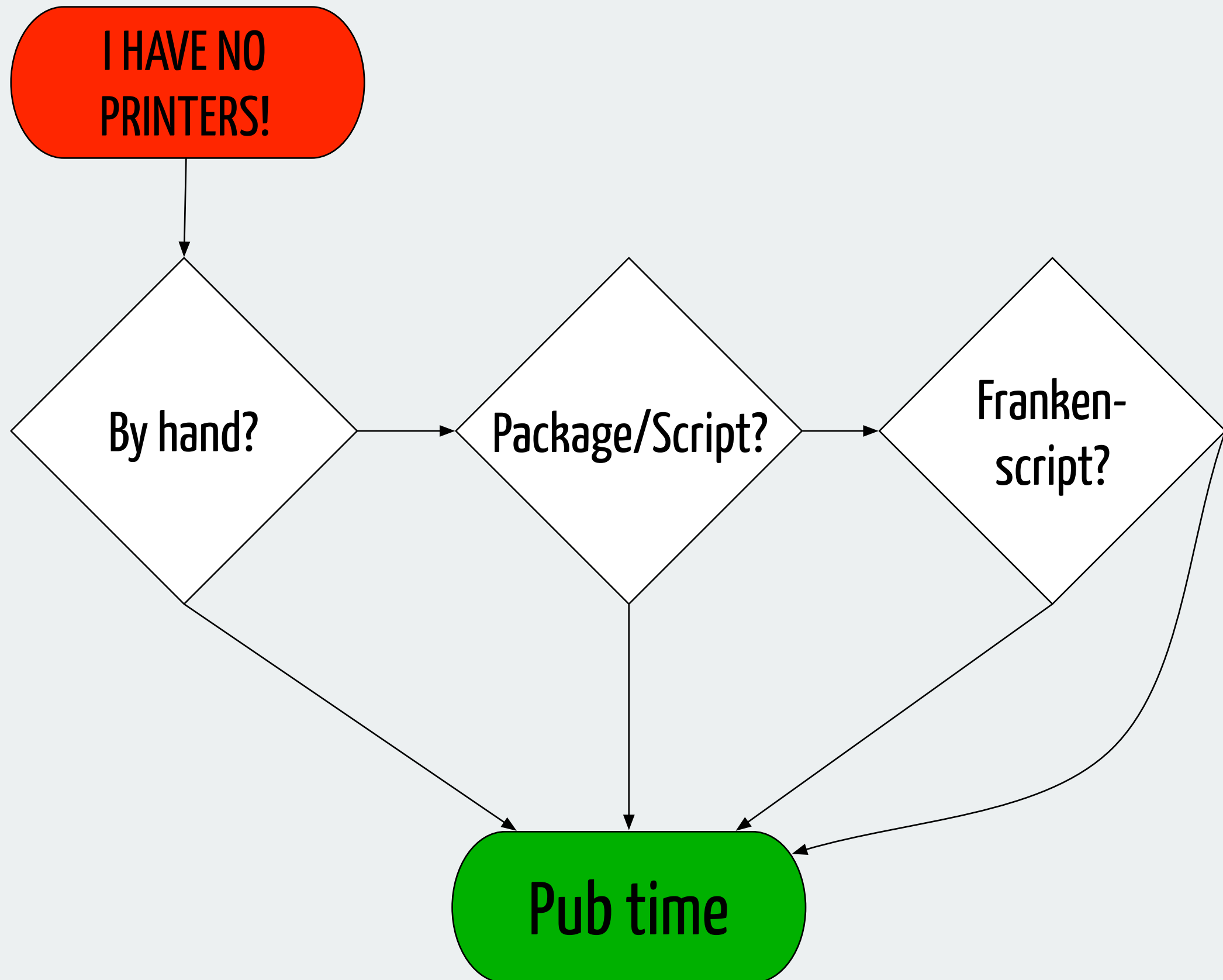


Here be dragons.



**“I JUST DID SOMETHING IN ARD AND
DELETED ALL THE PRINTERS.”**





A man with dark hair and a mustache, wearing a black clerical shirt with a white collar, stands in a church. In the background, there is a wooden altar with a green cloth featuring a gold cross, a crucifix on the wall, and a large window with multiple panes. The scene is dimly lit, with light coming from the window.

ARE YOU TESTING ME, SATAN?

**I HAVE NO
PRINTERS!**



Let Puppet fix it



Pub time

```
#!/bin/bash
```

```
cp /Something/megacorp.jpg /Library/Management/Wallpaper/megacorp.jpg  
chmod 644 /Library/Management/Wallpaper/megacorp.jpg  
chown root:wheel /Library/Management/Wallpaper/megacorp.jpg
```

```
class mac_base::wallpaper {  
  file {'/Library/Management/Wallpaper/megacorp.jpg':  
    ensure => 'present',  
    source => 'puppet:///modules/mac_base/wallpaper/megacorp.jpg',  
    mode   => '0644',  
    owner  => 'root',  
    group  => 'wheel'  
  }  
}
```


**LANGUAGE TO DESCRIBE WHAT YOU
WANT, NOT HOW YOU GET THERE**



IDEMPOTENCE

60% of the time,
it works every time.

FACTER

WHAT'S THE OS?

WHAT NETWORK IS THE MACHINE ON?

IS IT A VM?

**HOW MUCH RAM DOES THE MACHINE
HAVE?**

SO WHAT?

MANY COUNTRIES

MANY SITES

**PEOPLE LOVE MOTIVATIONAL
WALLPAPERS**

```
class mac_base::wallpaper {  
  
    if $network_en0 == '10.253.24.0' {  
        $source = 'puppet:///modules/mac_base/wallpaper/youre_fired.jpg'  
    }  
    else {  
        $source = 'puppet:///modules/mac_base/wallpaper/megacorp.jpg'  
    }  
  
    file {'/Library/Management/Wallpaper/megacorp.jpg':  
        ensure => 'present',  
        source => $source,  
        mode   => '644',  
        owner  => 'root',  
        group  => 'wheel'  
    }  
}
```

HIERA

```
.  
├── builds  
│   ├── advisor.yaml  
│   ├── base.yaml  
│   ├── instructor.yaml  
│   ├── supervisor.yaml  
│   └── training.yaml  
├── common.yaml  
└── sites  
    ├── site1.yaml  
    ├── site10.yaml  
    ├── site11.yaml  
    ├── site12.yaml  
    ├── site13.yaml  
    ├── site14.yaml  
    ├── site15.yaml  
    ├── site2.yaml  
    ├── site3.yaml  
    ├── site4.yaml  
    ├── site5.yaml  
    ├── site6.yaml  
    ├── site7.yaml  
    ├── site8.yaml  
    └── site9.yaml
```

2 directories, 21 files

~/D/hieradata > █

:backends:

- yaml

:hierarchy:

- "nodes/%{::trusted.certname}"
- "sites/%{::site}/%{::build}"
- "builds/%{::build}"
- "sites/%{::site}"
- "%{::osfamily}"
- common

:yaml:

:datadir: /etc/puppetlabs/code/environments/%{environment}/hieradata

/etc/puppetlabs/code/environments/production/hieradata/sites/london.yaml

macaduk_demo::wallpaper::motivate: true

WHY CODE OVER GUI?





GitLab

[Back to group](#)

[Project](#)

[Activity](#)

[Files](#)

[Commits](#)

[Network](#)

[Graphs](#)

[Milestones](#)

[Issues](#) 0

[Merge Requests](#) 0

[Members](#)

[Labels](#)

[Wiki](#)

[Settings](#)

puppet / puppet-local_cache · Merge Requests

Search in this project



```
622 +         </dict>
623 +         </array>
624 +     </dict>
625 +
626 +
627 + </array>
628 +</dict>
629 +</plist>
```

... ..

manifests/imagr.pp



[View file @bbbd213](#)

```
... .. @@ -18,9 +18,18 @@ class local_cache::imagr {
18 18     }
19 19     }
20 20
21 - # file {'/usr/local/docker/proxy/data/nbi/imagr_config.plist':
22 - #     ensure => present,
23 - #     mode    => '0644',
24 - #     content => template('local_cache/imagr/imagr_config.plist.erb')
25 - # }
21 + case $fqdn {
22 +     'docker.██████████.██████████': {
23 +         $source = 'puppet:///modules/local_cache/imagr/██████████_config.plist'
24 +     }
25 +     default: {
26 +         $source = 'puppet:///modules/local_cache/imagr/██████████_config.plist'
27 +     }
28 + }
29 +
30 + file {'/usr/local/docker/proxy/data/nbi/imagr_config.plist':
31 +     ensure => present,
32 +     mode    => '0644',
33 +     source  => $source
34 + }
26 35 }
```

... ..

ACCOUNTABILITY



[dramatic music]

SOUNDS AMAZING!

~~PACKAGES~~

NOT DESIGNED FOR OS X

WHAT IS PUPPET GOOD AT THEN?

COMPLIANCE

SIMILAR, BUT DIFFERENT CONFIGS

LIGHT TOUCH

QUESTIONS?

**LONDON APPLE
ADMINS.ORG.UK**



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GRAHAMGILBERT.COM

Pub time