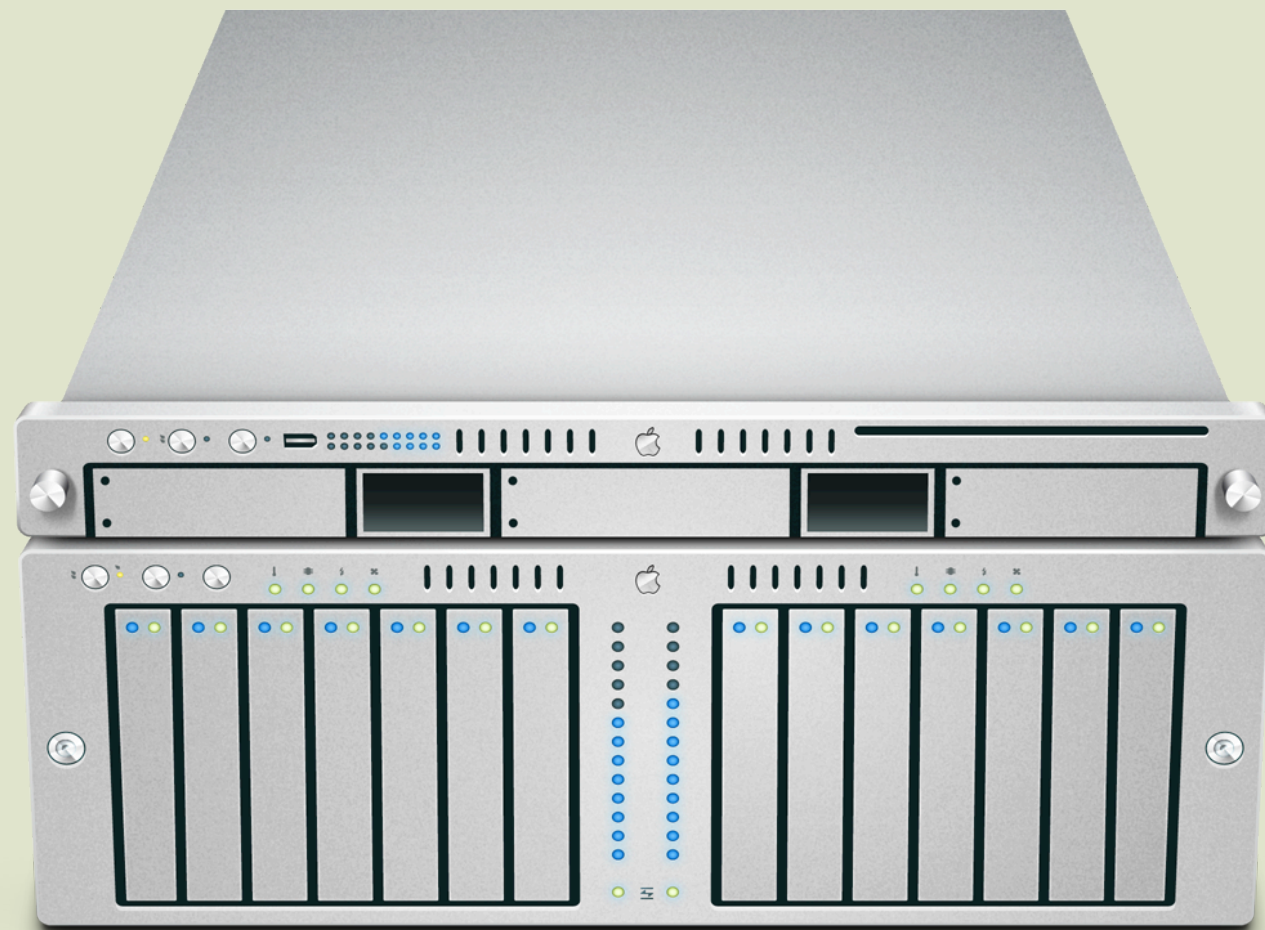
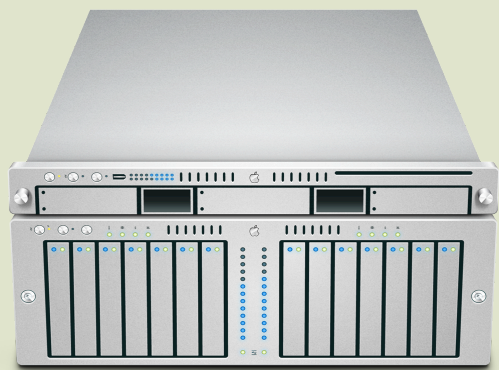


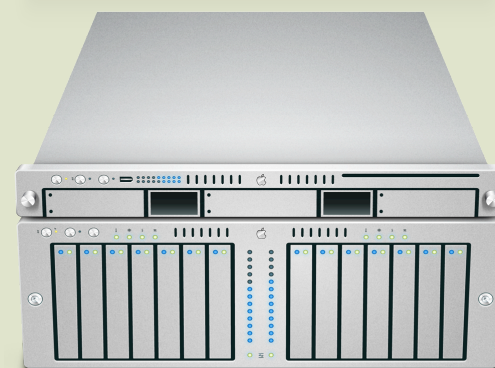
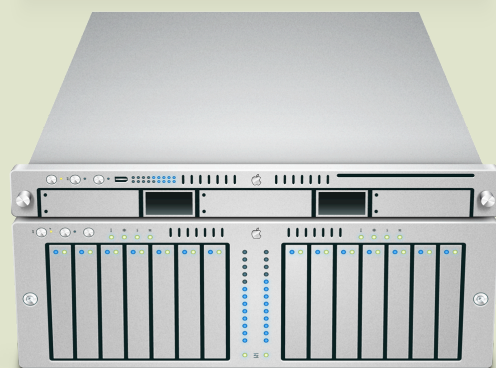
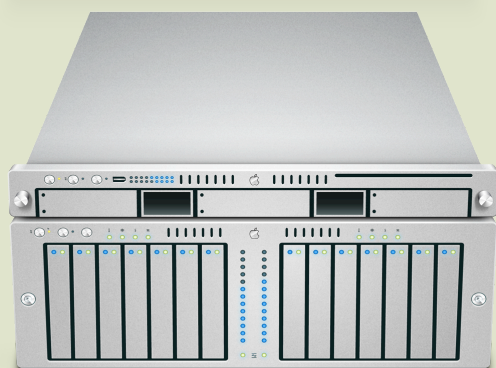
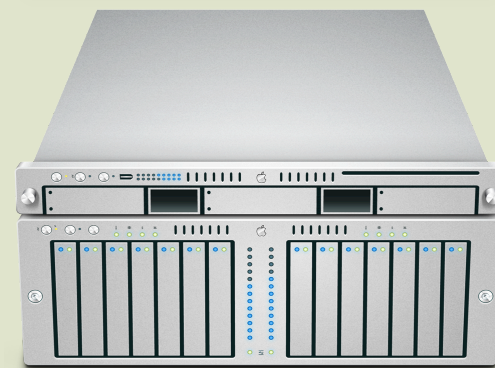
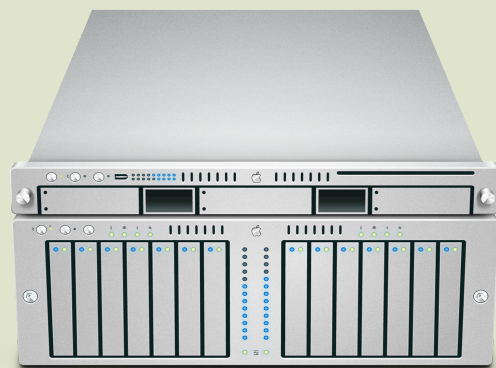
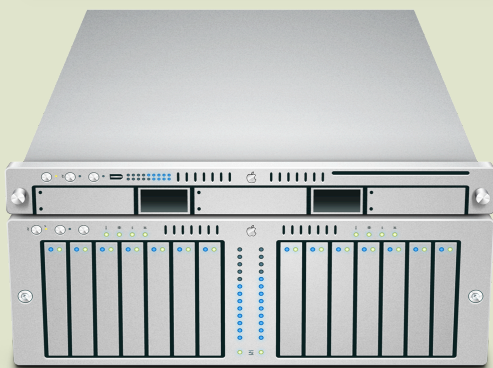
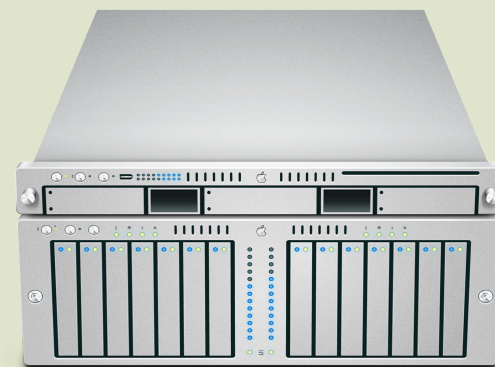
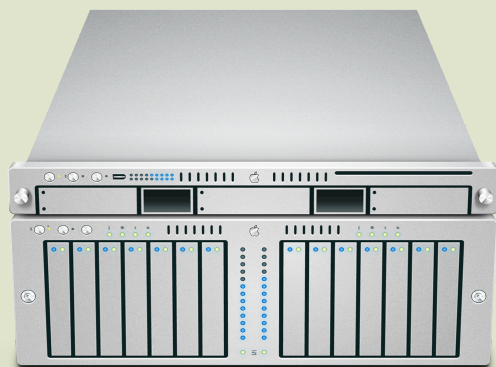
Managing Macs with Puppet

Puppet?

How I used to do it







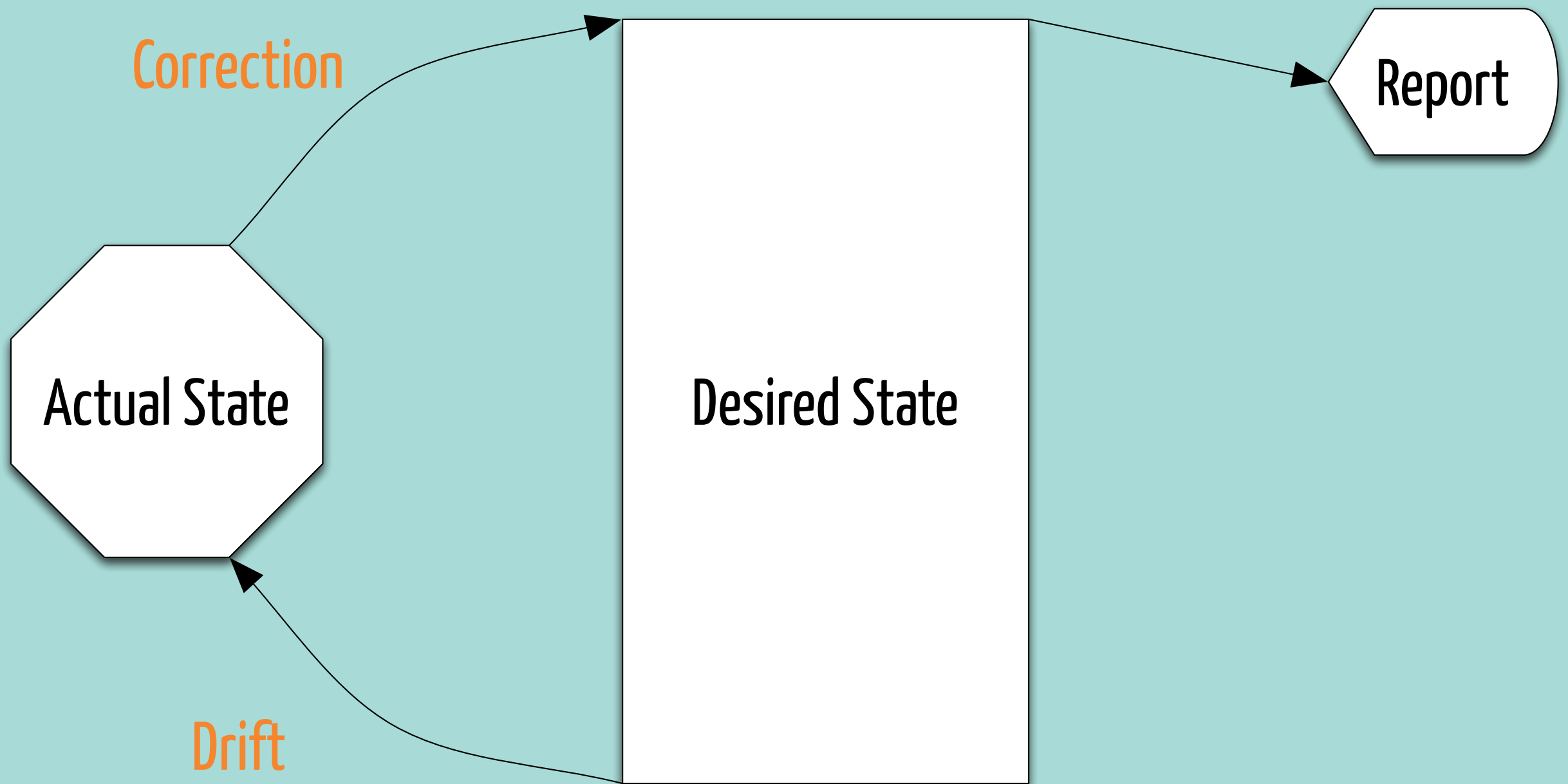




Here be dragons

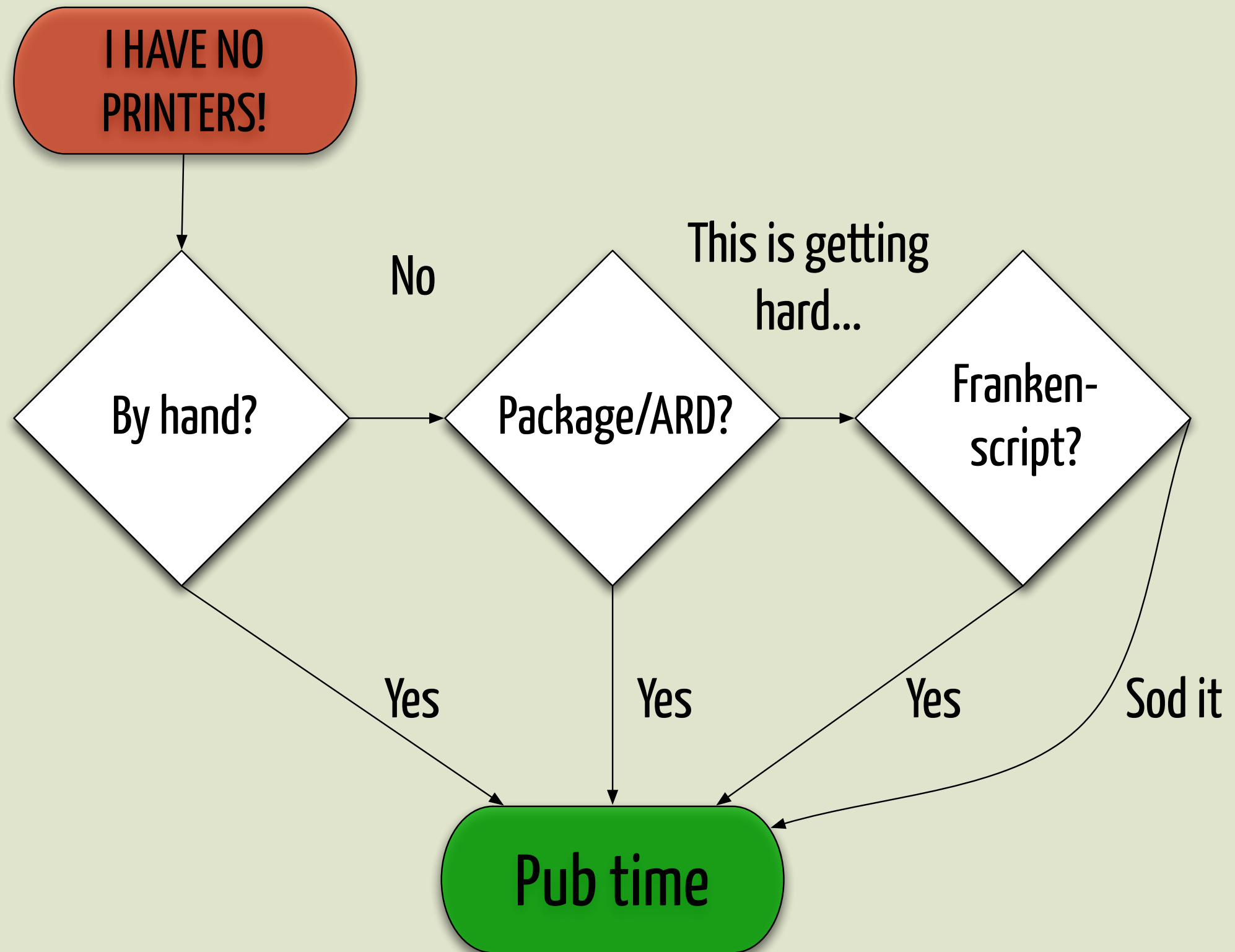
Puppet maintains a
Mac in a **desired state**

WAT?



“I just did something
in ARD and deleted
all the printers.”





I HAVE NO
PRINTERS!



Let Puppet fix it



Pub time

The User Template

`/System/Library/User Template/Non_localized/`

```
file {'/System/Library/User Template/Non_localized/Library/Preferences':  
  ensure => 'directory',  
  group  => wheel,  
  mode   => 700,  
  owner  => root,  
}
```

```
file { "/System/Library/User Template/Non_localized/Library/Preferences/  
com.apple.desktop.plist":  
  ensure => present,  
  source => "puppet:///modules/user_template/com.apple.desktop.plist",  
  owner  => root,  
  group  => wheel,  
  mode   => 700,  
}
```

“Language to describe
what you want, not how
you get there.”

@glarizza


```
file {'/System/Library/User Template/Non_localized/Library/Preferences':  
  ensure => 'directory',  
  group  => wheel,  
  mode   => 700,  
  owner  => root,  
}
```

```
file { "/System/Library/User Template/Non_localized/Library/Preferences/  
com.apple.desktop.plist":  
  ensure => present,  
  source => "puppet:///modules/user_template/com.apple.desktop.plist",  
  owner  => root,  
  group  => wheel,  
  mode   => 700,  
}
```

Infrastructure as
code

```
file {'/etc/puppet/puppet.conf':  
  ensure => 'present',  
  owner  => root,  
  group  => wheel,  
  mode   => 0644,  
  source => puppet:///modules/my_module/  
puppet.conf,  
}
```

```
if $::operatingsystem == "Darwin" {  
    file {'/etc/puppet/puppet.conf':  
        ensure => 'present',  
        owner   => root,  
        group   => wheel,  
        mode    => 0644,  
        source   => puppet:///modules/my_module/  
puppet.conf,  
    }  
}
```



```
if $::operatingsystem == "Darwin" {  
    file {'/etc/puppet/puppet.conf':  
        ensure => 'present',  
        owner   => root,  
        group   => wheel,  
        mode    => 0644,  
        source  => puppet:///modules/my_module/  
puppet.conf,  
    }  
}
```


Factor

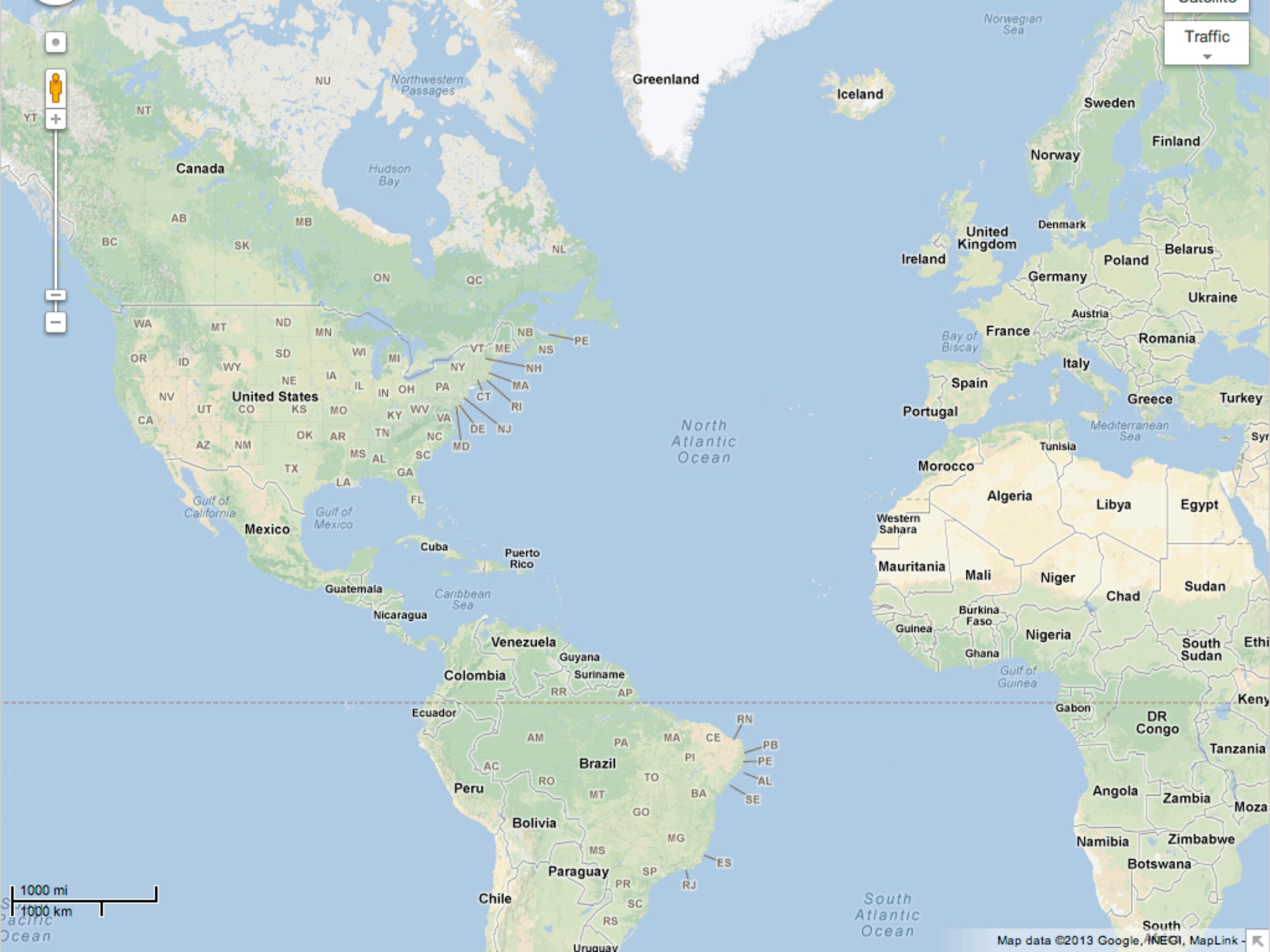
What's the OS?

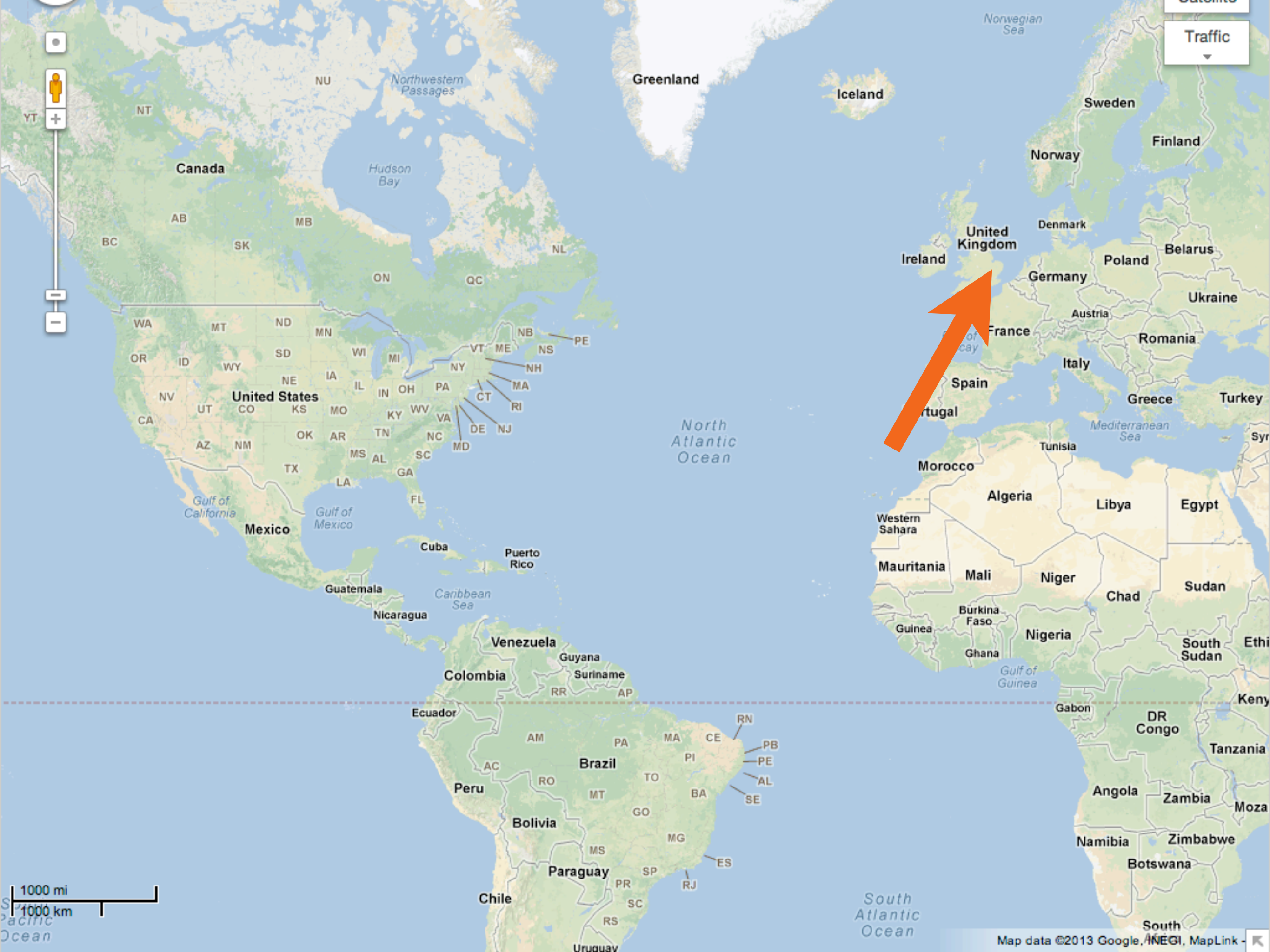
What network is the
machine on?

Is it a VM?

How much RAM does
the machine have?

So what?

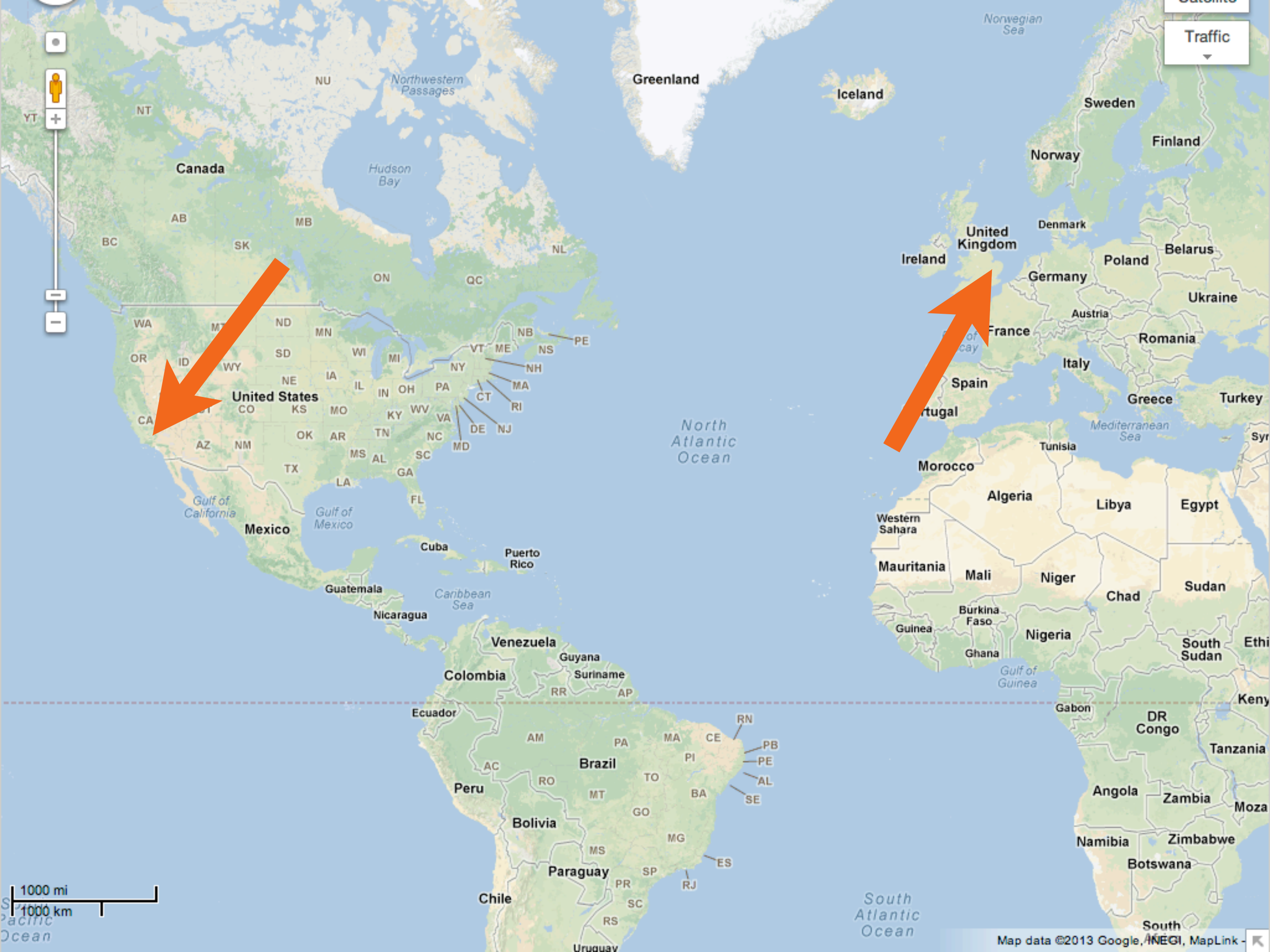




Traffic



1000 mi
1000 km



Satellite
Traffic

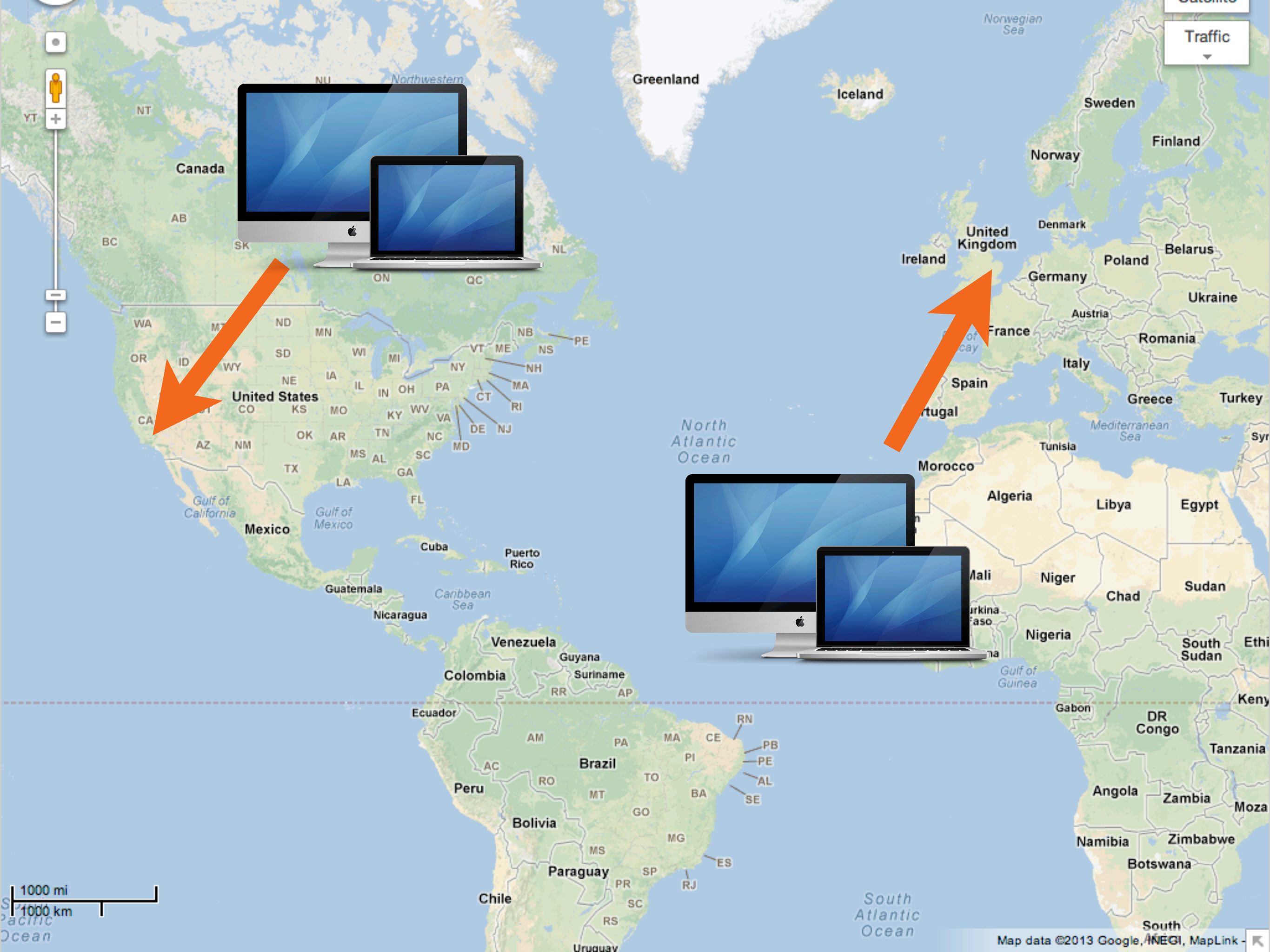
1000 mi
1000 km
Pacific Ocean



Traffic



1000 mi
1000 km



Traffic

1000 mi
1000 km



```
if ($network_en0 == '10.30.2.0'){
    printer { "Sharp_ARM316":
        ensure      => present,
        uri          => "lpd://10.30.2.10",
        description  => "Sharp ARM316",
        shared       => false,
        ppd          => "/Library/Printers/PPDs/Contents/Resources/SHARP
AR-M316.PPD.gz",
    }
}
if ($network_en0 == '10.30.10.0'){
    printer { "SF_Xerox_7556":
        ensure      => present,
        uri          => "lpd://10.30.10.10",
        description  => "SF Xerox 7556",
        shared       => false,
        ppd          => "/Library/Printers/PPDs/Contents/Resources/Xerox
WC 7556.gz",
    }
}
```

Here's the science bit

Master = Your server

Agent / Node = Your
Macs

Class = Collection of
resources

Group = Contains
nodes, has classes

Show me the money

Lessons Learnt

All things to all men

~~All things to all men~~

Start Small

Do something real

Use Git

Use GitHub

Autosigning is your
friend

Sometimes

Autosigning is your
friend

Refine your code

What's next?

