

```
class nginx {  
  package { ["nginx"]; ensure => installed }  
  
  service { ["nginx"];  
    enable => true,  
    subscribe => Package["nginx"],  
  }  
  
  file { ["/etc/nginx/nginx.conf"];  
    owner => root,  
    group => nginx,  
    mode => 0640,  
    source => "puppet:///modules/nginx/nginx.conf",  
    subscribe => Package["nginx"],  
    notify => Service["nginx"],  
  }  
}
```



Puppet

Stillingastjórnun og sjálfvirkni

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Ráðgjafi hjá Opnum Kerfum

UT Messan 2012

OPIN KERFI

Gamli skólinn

- Heimasmíðuð stillingastjórnun á Linux/Unix

- Scripts

- Bash

- perl

- scp

- ssh

```
subscribe => Package['nginx'],
```

```
notify => Service['nginx'],
```

```
}  
}
```



Gamli skólinn

```
class nginx {
  package { ["nginx", ensure => installed ]
  # Redeploy NTP
  for host in cartman kenny kyle stan
  do
    scp /etc/ntp.conf ${host}:/etc/
    scp /etc/ntp/step-tickers ${host}:/etc/ntp/
    ssh ${host} /sbin/service ntpd restart
  done
```



Gallalaust?

```
class nginx {  
  package { ["nginx"]; ensure => installed }  
  
  service { ["nginx"]:  
    enable => true,  
    ensure => Package["nginx"],  
    restart => true,  
    stop => true,  
    subscribe => Package["nginx"],  
    notify => Service["nginx"],  
  }  
}
```

- Brothætt
- Hvað með nýjar uppsetningar?

```
file { ["/etc/nginx/nginx.conf"]:  
  owner => root,  
  group => nginx,  
  mode => 0640,  
  source => 'puppet:///nginx/nginx.conf',  
  subscribe => Package['nginx'],  
  notify => Service['nginx'],  
}
```



Einingar á vélar

```
class nginx {  
  package { ["nginx"]; ensure => installed }  
  
  service { ["nginx"];  
    enable => true,  
    subscribe => Package["nginx"],  
  }  
node "cartman.example.com" {  
  include ntp::client  
  file { ["/etc/nginx/nginx.conf":  
    }  
    owner => root,  
    group => nginx,  
    mode => 0640,  
    source => 'puppet:///nginx/nginx.conf',  
    subscribe => Package['nginx'],  
    notify => Service['nginx'],  
  }  
}
```



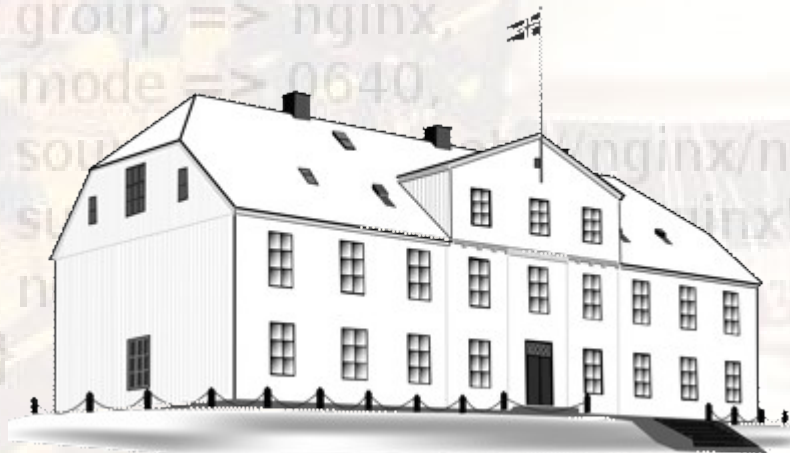
NTP einrichten

```
class nginx {  
  package { ["nginx"] : ensure => installed }  
}  
  
class ntp::client {  
  package { ["ntp"] : ensure => installed }  
  service { ["ntpd"] : enable => true,  
    subscribe => Package["ntp"]  
  }  
  file { ["/etc/ntp.conf"] :  
    owner => root,  
    mode => 0644,  
    source => "puppet:///ntp/ntp.conf",  
    subscribe => Package["ntp"],  
    notify => Service["ntpd"],  
  }  
}
```



Lærði skólinn

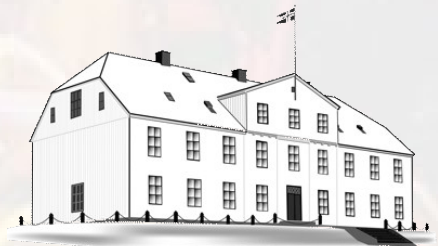
- Uppsetning útstöðva
 - PXE ræsing (F12)
 - Uppsetning Ubuntu með preseed
 - Puppet sér um afganginn



Skilgreining útstöðvar

```
class nginx {
  package => ['nginx', 'enslinux => installed']

  service { ["nginx"]:
node opinn-desktop {
  include common["nginx"],
  include firefox-settings
  include desktop-settings
  file { ["nginx"]
  include libreoffice
  include latex
  include language-settings
  include menu-settings
  include geogebra
}
}
```



Skilgreining stillinga þjóns

```
class main {
  package { ['nginx', 'enforce' => installed];

  service { ["nginx":
    enable => true,
    subscribe => Package["nginx"],
  ]

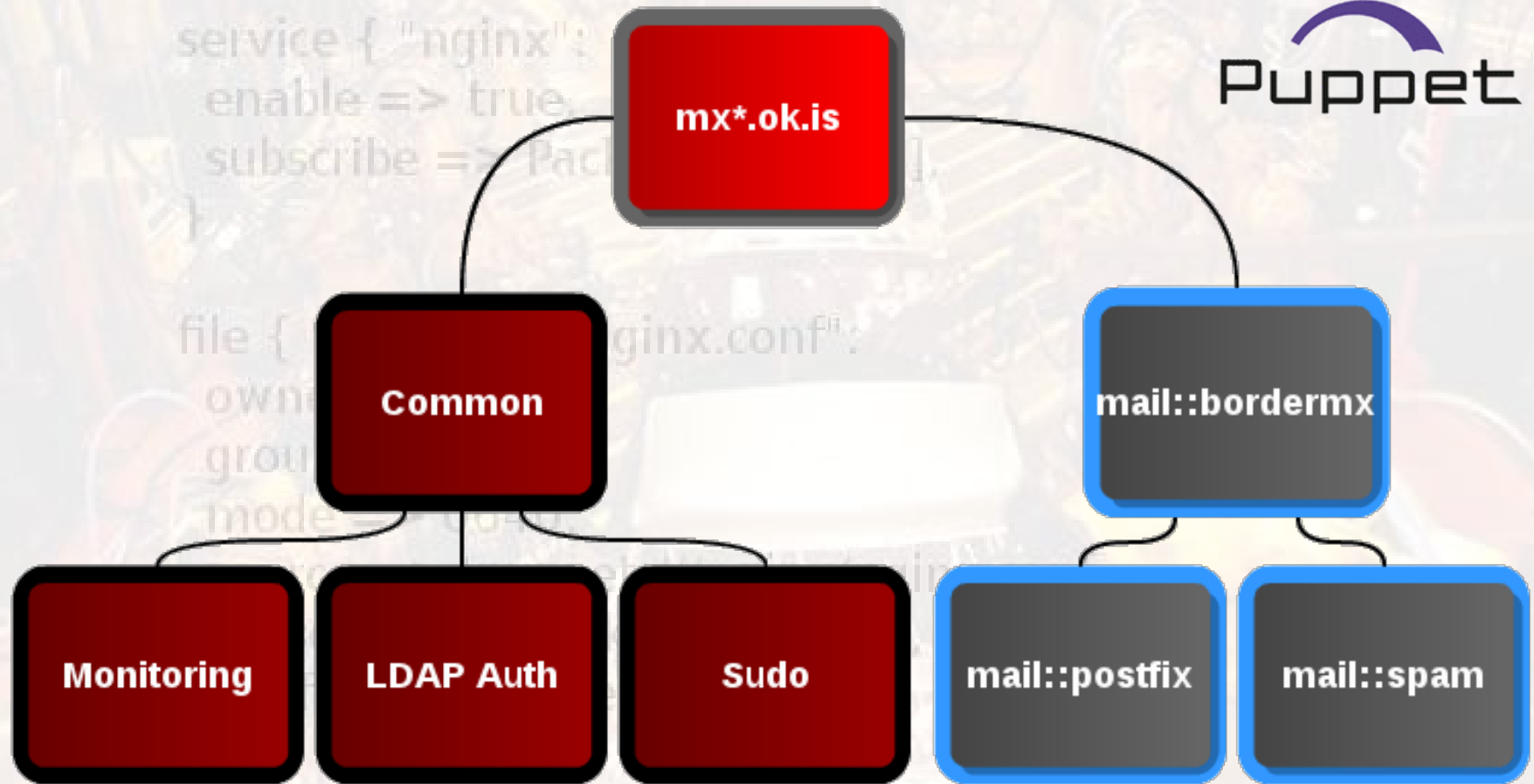
  # Webservers
  node /^web-.*.example.com$/ {
    include auth
    include ntp::client
    include httpd
    include hardware
  }
  mode => 0640,
  source => 'puppet:///nginx/nginx.conf',
  subscribe => Package['nginx'],
  notify => Service['nginx'],
}
}
```



Erfðir



Puppet

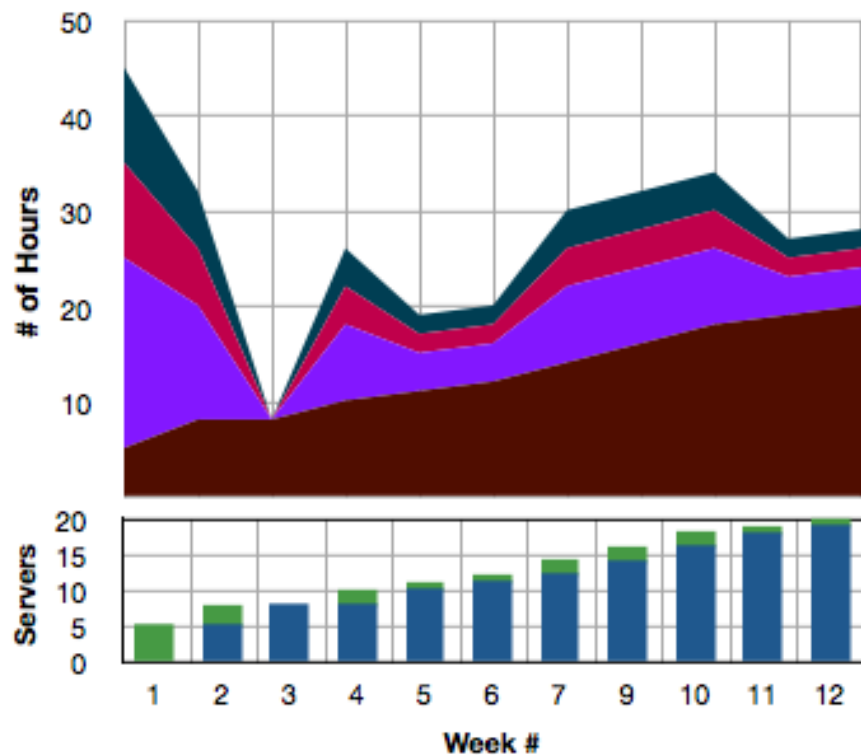


Afhverju Puppet?

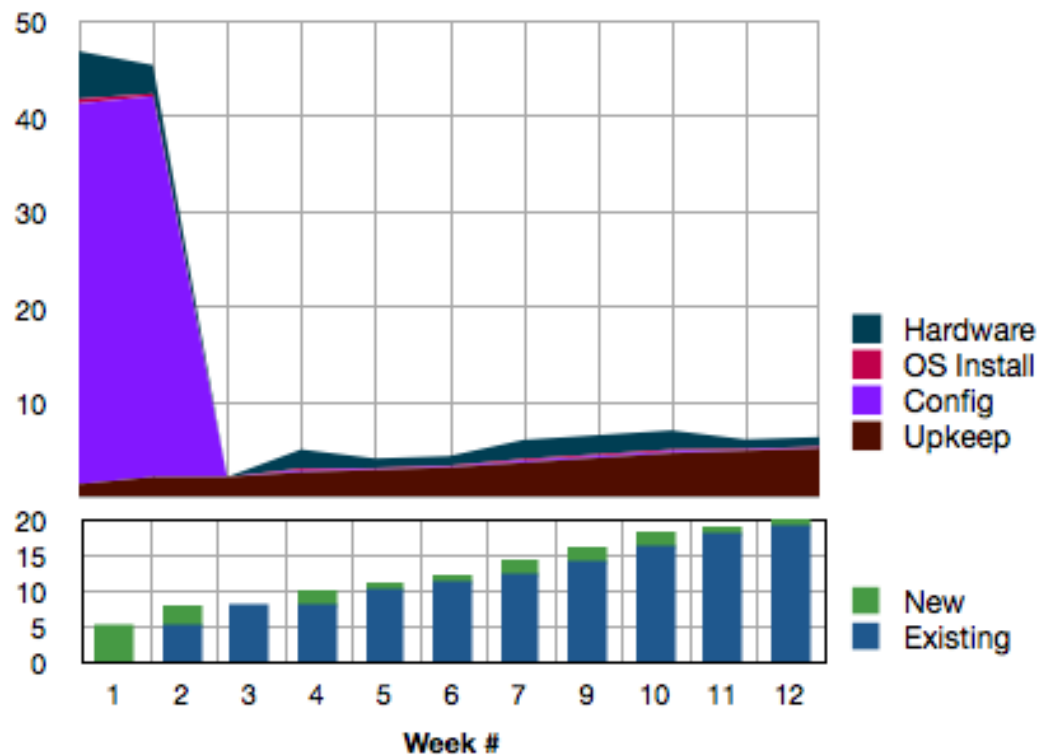
- Samræmi => Package["nginx"],
- Rekjanleiki
- Enduruppsetningar
- Endurnýting
- Skjölun
- Tímasparnaður



"Traditional" Operations

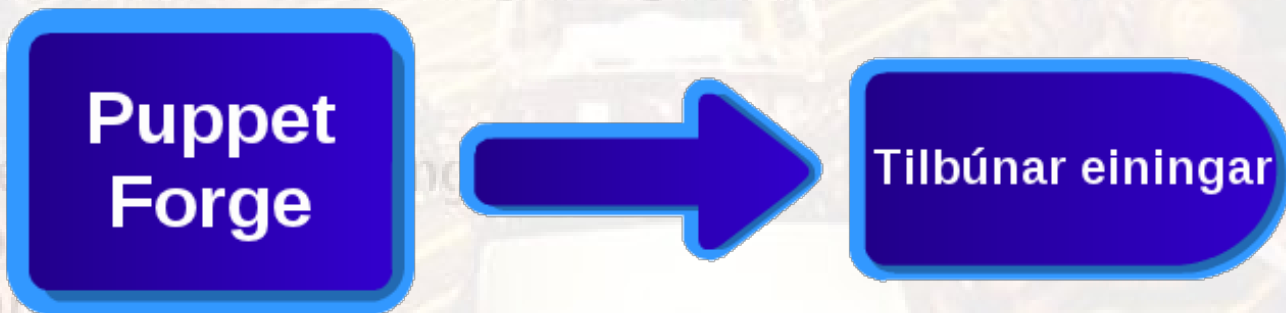
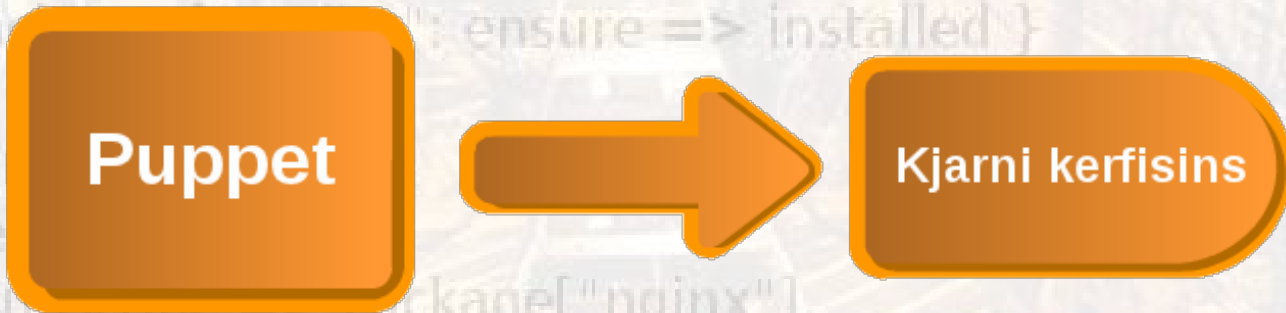


Operations - The "Secret Sauce"



```
class nginx {
  package => ensure => installed }

```



Spurningar?

Open Source hópur OK
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tommi@ok.is
@tomased

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