

CHUGALUG
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Configuration Management with Puppet.

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Configuration Management?

CM is a big topic, we're focused on what's typically called SCM.
configuration inventory (documentation), controlled change (change management), elimination of entropy

Transparent Operations.

Why do we care? The answer is simple: Take what we do and make it repeatable.

Automation.

Reliable. as good as we are we will always make mistakes.

rsync, tar, rm, useradd, the tools we use. we all know all the options and run them the same way each time right?

example - user creation

create user
set password?

this is easy right? we do this all the time.

example - user creation

- create user
- set password
- populate content
 - install packages?
 - home directory?
 - scripts?
- setup sudo
- loosen firewall

Little bit more real world example here

example - “temporary” user creation

IN

- create user
- set password
- populate content
 - install packages?
 - home directory?
 - scripts?
- setup sudo
- loosen firewall

OUT

- tighten firewall
- revert sudo
- remove content
 - packages?
 - scripts?
 - logs?
 - backups?
- remove user

what if we don't want them to stick around forever?



why puppet?

Ruby, actively developed, commercial support available.

how to do it in puppet code.

```
class chugalug::doit {
  user {"chugalug":
    ensure => present,
    password => '$yourcryptstringhere!'
    comment => "Classic Hackers UGA Linux Users Group",
  }

  file {["/home/chugalug":
    source => "/nfs/swamp/c/ch/chugalug",
  ]

  package {"vim-enhanced":
    ensure => latest,
  }

  iptables { "let chugalug in because they friendly.":
    ensure => present,
    port => "tcp:22",
    source => "192.168.50.28/32",
    jump => "ACCEPT",
  }
}
```

how to undo it in puppet code.

```
class chugalug::undoit {  
  user {"chugalug":  
    ensure => absent,  
  }  
  
  file {["/home/chugalug":  
    ensure => absent,  
  }  
  
  package {"vim-enhanced":  
    ensure => absent,  
  }  
  
  iptables {"let chugalug in because they friendly":  
    ensure => absent,  
  }  
}
```



that was easy, right?

doesn't have to be complicated, start simple and grow.
ntp

Adopting configuration
management can
improve your life.

resources

puppetlabs.com

wiki, opensource SCM systems => goo.gl/9pQjX

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