

Using Puppet for Yourself, not just for work

Luke Kanies
Reductive Labs
Nashville, TN
USA



linux.conf.au
Mel8ourne

Modeling Resources

- Each resource is an abstraction of “real” resources
- Puppet’s modeling supports *reading* and *writing* these resources
- We always talk about client/server, but there are other options

Managing ~

```
class mailserver {  
  cron { spamyup:  
    minute => [0, 30],  
    user => luke,  
    command => "/home/luke/bin/spamproc"  
  }  
  
  cron { spamclean:  
    hour => 2,  
    minute => 15,  
    user => luke,  
    command => "/home/luke/bin/spamproc -a"  
  }  
}
```

Managing ~, pt. 2

```
case $hostname {  
  culain: {  
    include mailserver, mailclient  
  }  
  
  phage: { include mailclient }  
}
```

Managing ~, pt. 2

```
case $hostname {  
  culain: {  
    include mailserver, mailclient  
  }  
  
  phage: { include mailclient }  
}
```

Reading Resources

```
luke@culain(0) $ rals user luke
user { 'luke':
  uid => '100',
  gid => '1000',
  shell => '/bin/bash',
  home => '/home/luke',
  ensure => 'present',
  groups => ['sysadmin', 'audio', 'video', 'puppet'],
  comment => 'Luke Kanies'
}
luke@culain(0) $
```

Creating Resources

```
luke@culain(0) $ finger testing
finger: testing: no such user.
luke@culain(0) $ sudo rals user testing ensure=present
notice: /User[testing]/ensure: created
user { 'testing':
  ensure => 'present',
  uid => '1023',
  password => '!',
  gid => '1024',
  shell => '/bin/sh',
  home => '/home/testing'
}
luke@culain(0) $ finger testing | grep Login
Login: testing Name:
luke@culain(0) $
```

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luke@culain(0) $ finger testing | grep Login
Login: testing Name:
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```


Modifying Resources

```
luke@culain(0) $ finger testing | grep Shell
Directory: /home/testing          Shell: /bin/sh
luke@culain(0) $ sudo rals user testing shell=/bin/bash
notice: /User[testing]/shell: shell changed '/bin/sh' to
luke@culain(0) $ finger testing | grep Shell
Directory: /home/testing          Shell: /bin/bash
luke@culain(0) $
```

Modifying Resources

```
luke@culain(0) $ finger testing | grep Shell
Directory: /home/testing          Shell: /bin/sh
luke@culain(0) $ sudo rals user testing shell=/bin/bash
notice: /User[testing]/shell: shell changed '/bin/sh' to
luke@culain(0) $ finger testing | grep Shell
Directory: /home/testing          Shell: /bin/bash
luke@culain(0) $
```

Deleting Resources

```
luke@culain(0) $ finger testing | grep Login
Login: testing                                     Name:
luke@culain(0) $ sudo rals user testing ensure=absent
notice: /User[testing]/ensure: removed
luke@culain(0) $ finger testing
finger: testing: no such user.
luke@culain(0) $
```

Deleting Resources

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luke@culain(0) $ finger testing | grep Login
Login: testing                                     Name:
luke@culain(0) $ sudo rals user testing ensure=absent
notice: /User[testing]/ensure: removed
luke@culain(0) $ finger testing
finger: testing: no such user.
luke@culain(0) $
```

Questions?

Note: LCA's own James Turnbull has written a book on Puppet, and it's now available