Puppet v3 and Hiera

LOAD
2013-04-07
Antwerpen, BE

Garrett Honeycutt
Automation Consultant @ GH Solutions, LLC
gh@garretthoneycutt.com
http://linkedin.com/in/garretthoneycutt
# whoami

...not a graphic designer
What's new in v3?

it looks different
What’s new in v3?

Ruby 1.9.3 fully supported
What’s new in v3?

Better support for Windows and Solaris
What’s new in v3?
puppet kick warns about deprecation
What’s new in v3?

Speed
What’s new in v3?

Adrien Thebo

http://somethingsinistral.net/blog/the-angry-guide-to-puppet-3/
What’s new in v3?

dynamic scoping
What’s new in v3?

dynamic scoping

Gone!
scoping

include dynamic

class dynamic {
    $var = ‘from dynamic’
    include included
}

class included {
    notify { $var: }  # deprecated
    notify { $dynamic::var: } # correct
}
What’s new in v3?

looking up your data
data lookup precedence

# class defaults
class foo (
    attribute = 'module_default',,
) {
    ...
}
data lookup precedence

# passing a value with parameterized classes
class { 'foo':
    attribute => 'param_data',
}
data lookup precedence

# Hiera
# <whatever>.yaml

foo::attribute: “no data in code”
Hiera
Wait.. What’s Hiera?
aka
demo time
Style

Why declaring parameterized classes is evil
data in code :(  

class { 'common':
    root_password => 'mypass',
}

Style

Why defining parameterized classes is awesome
class common (
    root_password = 'puppet',
) {
    ...
}

Style

Why defining parameterized classes is really awesome
data lookups in Hiera

common::root_password: mysecret
Puppet v3 and Hiera

LOAD
2013-04-07
Antwerpen, BE

Garrett Honeycutt
Automation Consultant @ GH Solutions, LLC
gh@garretthoneycutt.com
http://linkedin.com/in/garretthoneycutt