

How to implement your custom type using provider

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1. [custom type, **create**] How to create a custom type ([view](#)) -- pure ruby

```
jing@jing-Lenovo-G510s:~/Desktop/fuel/modules/ceph$ tree
.
├── examples
│   └── site.pp
├── Gemfile
├── lib
│   ├── factor
│   │   ├── ceph_conf.rb
│   │   ├── ceph_osd.rb
│   │   ├── cinder_conf.rb
│   │   ├── glance_api_conf.rb
│   │   ├── keystone_conf.rb
│   │   └── nova_compute.rb
│   ├── puppet
│   │   ├── provider
│   │   │   └── ceph_conf
│   │   │       └── ini_setting.rb
│   │   └── type
│   │       └── ceph_conf.rb
```

```
# 定義 ceph_conf provider, 讓 ceph_conf type 行為類似 INI
# 繼承使用 ini_setting type 的 ruby provider
# lib/puppet/provider/ceph_conf/ini_setting.rb
Puppet::Type.type(:ceph_conf).provide(
  :ini_setting,
  :parent => Puppet::Type.type(:ini_setting).provider(:ruby)
) do

  def section
    resource[:name].split('/', 2).first
  end

  def setting
    resource[:name].split('/', 2).last
  end

  #Ceph-deploy 1.2.3 uses '=' not '=='
  def separator
    '='
  end
end
```

```
def self.file_path
  '/etc/ceph/ceph.conf'
end

# this needs to be removed. This has been replaced with the class method
def file_path
  self.class.file_path
end

end
```

References

- Provider Development, https://docs.puppet.com/guides/provider_development.html
- Who Abstracted My Puppet, <http://garylarizza.com/blog/2013/11/26/fun-with-providers-part-2/>