Painless Puppet Providers

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What Providers Provide

Or how Puppet knows how to manage your system

- Shape of a resource

- Read current state

- Enforce desired state

Shape of a Resource - Puppet 3

```ruby
Puppet::Type.newtype(:apt_key) do

newproperty(:size) do
  desc <<-EOS
    The key size, usually a multiple of 1024.

    This property is read-only.
  EOS
end
```

New Shape of a Resource

```
require 'puppet/resource_api'

Puppet::ResourceApi.register_type(
  name: 'apt_key2',
  docs: <<-EOS, ⋯
  features: ['canonicalize'],
  attributes:    {
    ensure:        {
      type:      'Enum[present, absent]',
      desc:      'Whether this apt key shou
      default: 'present',
    },
```

```
size:          {
  type:        'Integer',
  desc:        'The key size, us
  behaviour: :read_only,
},
```

puppet

Show me the Code

Demo Time

Current State

- 1.0 release on the horizon

- usable today

- looking for feedback

Reading Material

- https://github.com/puppetlabs/puppet-resource_api

- https://github.com/puppetlabs/puppet-specifications/pull/93

- https://github.com/DavidS/puppetlabs-apt/tree/resource-api-experiments

Q&A