

Mysql module for Puppet

This module manages mysql on Linux (RedHat/Debian) distros. A native mysql provider implements database resource type to handle database, database user, and database permission.

Description

This module uses the fact osfamily which is supported by Facter 1.6.1+. If you do not have facter 1.6.1 in your environment, the following manifests will provide the same functionality in site.pp (before declaring any node):

```
if ! $::osfamily {
  case $::operatingsystem {
    'RedHat', 'Fedora', 'CentOS', 'Scientific', 'SLC', 'Ascendos', 'CloudLinux',
    'PSBM', 'OracleLinux', 'OVS', 'OEL': {
      $osfamily = 'RedHat'
    }
    'ubuntu', 'debian': {
      $osfamily = 'Debian'
    }
    'SLES', 'SLED', 'OpenSuSE', 'SuSE': {
      $osfamily = 'Suse'
    }
    'Solaris', 'Nexenta': {
      $osfamily = 'Solaris'
    }
    default: {
      $osfamily = $::operatingsystem
    }
  }
}
```

This module depends on `creates_resources` function which is introduced in Puppet 2.7. Users on puppet 2.6 can use the following module which provides this functionality:

http://github.com/puppetlabs/puppetlabs-create_resources

This module is based on work by David Schmitt. The following contributor have contributed patches to this module (beyond Puppet Labs):

- Christian G. Warden
- Daniel Black
- Justin Ellison
- Lowe Schmidt
- Matthias Pigulla
- William Van Hevelingen

Usage

mysql

Installs the mysql-client package.

```
class { 'mysql': }
```

mysql::python

Installs mysql bindings for python.

```
class { 'mysql::python': }
```

mysql::ruby

Installs mysql bindings for ruby.

```
class { 'mysql::ruby': }
```

mysql::server

Installs mysql-server packages, configures my.cnf and starts mysqld service:

```
class { 'mysql::server':  
  config_hash => { 'root_password' => 'foo' }  
}
```

Database login information stored in `/root/.my.cnf`.

mysql::db

Creates a database with a user and assign some privileges.

```
mysql::db { 'mydb':  
  user      => 'myuser',  
  password => 'mypass',  
  host      => 'localhost',  
  grant     => ['all'],  
}
```

Providers for database types:

MySQL provider supports puppet resources command:

```
$ puppet resource database  
database { 'information_schema':  
  ensure => 'present',  
  charset => 'utf8',  
}  
database { 'mysql':  
  ensure => 'present',  
  charset => 'latin1',  
}
```

The custom resources can be used in any other manifests:

```
database { 'mydb':  
  charset => 'latin1',  
}  
  
database_user { 'bob@localhost':  
  password_hash => mysql_password('foo')  
}  
  
database_grant { 'user@localhost/database':  
  privileges => ['all'] ,  
}
```

A resource default can be specified to handle dependency:

```
Database {  
  require => Class['mysql::server'],  
}
```