

Puppet Labs Standard Library

This module provides a "standard library" of resources for developing Puppet Modules. This modules will include the following additions to Puppet

- Stages
- Facts
- Functions
- Defined resource types
- Types
- Providers

This module is officially curated and provided by Puppet Labs. The modules Puppet Labs writes and distributes will make heavy use of this standard library.

Versions

This module follows semver.org (v1.0.0) versioning guidelines. The standard library module is released as part of [Puppet Enterprise](#) and as a result older versions of Puppet Enterprise that Puppet Labs still supports will have bugfix maintenance branches periodically "merged up" into master. The current list of integration branches are:

- v2.1.x (v2.1.1 released in PE 1.2, 1.2.1, 1.2.3, 1.2.4)
- v2.2.x (Never released as part of PE, only to the Forge)
- v2.3.x (Scheduled for next PE feature release)
- master (mainline development branch)

The first Puppet Enterprise version including the stdlib module is Puppet Enterprise 1.2.

Compatibility

stdlib v2.1.x, v2.2.x

v2.1.x and v2.2.x of this module are designed to work with Puppet versions 2.6.x and 2.7.x. There are currently no plans for a Puppet 0.25 standard library module.

stdlib v2.3.x

While not yet released, the standard library may only work with Puppet 2.7.x.

Functions

Please see `puppet doc -r function` for documentation on each function. The current list of functions is:

- `getvar`
- `has_key`
- `loadyaml`
- `merge.rb`
- `validate_array`
- `validate_bool`
- `validate_hash`
- `validate_re`
- `validate_string`

validate_hash

```
$somehash = { 'one' => 'two' }  
validate\_hash($somehash)
```

getvar()

This function aims to look up variables in user-defined namespaces within puppet. Note, if the namespace is a class, it should already be evaluated before the function is used.

```
$namespace = 'site::data'  
include "${namespace}"  
$myvar = getvar("${namespace}::myvar")
```

Facts

Facts in `/etc/facter/facts.d` and `/etc/puppetlabs/facter/facts.d` are now loaded automatically. This is a direct copy of R.I. Pienaar's custom facter fact located at: <https://github.com/ripienaar/facter-facts/tree/master/facts-dot-d>