# Puppet Master Setup over a Webserver

Puppet is a ruby application and it needs a ruby literate webserver to run. By default, it can work with Webrick and **Mongrel**, the latter one being more scalable. There’s a third option that is **Apache Passenger**, an extension that lets Rails or Rack applications on Apache.

## Installation via Apache Passenger

Passenger can be installed directly as a gem.

gem install rack

gem install passenger

passenger-install-apache2-module

For CentOS 5.5 you should install specific gems, since rack dependencies will fail at runtime with newer versions

gem install –v=1.0.1 rack

gem install –v=2.2.11 passenger

Once it’s installed, we’ll configure Apache to make use of this module

LoadModule passenger\_module /usr/lib/ruby/gems/1.8/gems/passenger-2.2.11/ext/apache2/mod\_passenger.so

PassengerRoot /usr/lib/ruby/gems/1.8/gems/passenger-2.2.11

PassengerRuby /usr/bin/ruby

and the Vhost to serve Puppet.

<VirtualHost \*:8140>

ServerName swabue01.cs.globant.com

ServerAlias puppet.glb.swacorp.com

SSLEngine on

SSLCipherSuite SSLv2:-LOW:-EXPORT:RC4+RSA

SSLCertificateFile /var/lib/puppet/ssl/certs/swabue01.cs.globant.com.pem

SSLCertificateKeyFile /var/lib/puppet/ssl/private\_keys/swabue01.cs.globant.com.pem

SSLCertificateChainFile /var/lib/puppet/ssl/ca/ca\_crt.pem

SSLCACertificateFile /var/lib/puppet/ssl/ca/ca\_crt.pem

# CRL checking should be enabled; if you have problems with Apache complaining about the CRL, disable the next line

# SSLCARevocationFile /var/lib/puppet/ssl/ca/ca\_crl.pem

SSLVerifyClient optional

SSLVerifyDepth 1

SSLOptions +StdEnvVars

DocumentRoot /usr/share/puppet/rack/puppetmasterd/public

<Directory /usr/share/puppet/rack/puppetmasterd/public >

AllowOverride all

Options -MultiViews

</Directory>

ErrorLog logs/puppet-error\_log

CustomLog logs/puppet-access\_log combined

</VirtualHost>

In the Public folder resides “config.ru” which MUST be owned by puppet. The original file is quite old, and it should be replaced by the current rack provided file, located in

/usr/lib/ruby/gems/1.8/gems/puppet-2.7.5/ext/rack/files/

Please notice that **2.7.5** is the current version used, hence, it should be installed by ruby gems so far.