

GNU/Linux Administration - Feature #176

Installing Puppet Dashboard on Debian 7

08/20/2013 07:33 AM - Daniel Curtis

Status:	Closed	Start date:	08/20/2013
Priority:	Normal	Due date:	
Assignee:	Daniel Curtis	% Done:	100%
Category:	Automated Server Management	Estimated time:	1.00 hour
Target version:		Spent time:	6.00 hours

Description

- Get the latest version of Puppet Dashboard from the [puppetlabs](http://puppetlabs.com) site, install dependencies and install the Puppet Dashboard package:

```
wget http://apt.puppetlabs.com/pool/wheezy/main/p/puppet-dashboard/puppet-dashboard_1.2.23-1puppetlabs1_all.deb
sudo apt-get install rake dbconfig-common libdbd-mysql-ruby libhttpclient-ruby1.8 mysql-server
sudo dpkg -i puppet-dashboard_1.2.23-1puppetlabs1_all.deb
```

Configuration

- Create the databases and user for puppet dashboard:

```
sudo mysql --defaults-file=/etc/mysql/debian.cnf -Bse 'CREATE DATABASE dashboard_production CHARACTER SET utf8;'
sudo mysql --defaults-file=/etc/mysql/debian.cnf -Bse 'CREATE DATABASE dashboard_development CHARACTER SET utf8;'
sudo mysql --defaults-file=/etc/mysql/debian.cnf -Bse 'CREATE DATABASE dashboard_test CHARACTER SET utf8;'
sudo mysql --defaults-file=/etc/mysql/debian.cnf -Bse "CREATE USER 'dashboard'@'localhost' IDENTIFIED BY 'verysecretpassword';"
sudo mysql --defaults-file=/etc/mysql/debian.cnf -Bse "GRANT ALL PRIVILEGES ON dashboard_production.* TO 'dashboard'@'localhost';"
sudo mysql --defaults-file=/etc/mysql/debian.cnf -Bse "GRANT ALL PRIVILEGES ON dashboard_test.* TO 'dashboard'@'localhost';"
sudo mysql --defaults-file=/etc/mysql/debian.cnf -Bse "GRANT ALL PRIVILEGES ON dashboard_development.* TO 'dashboard'@'localhost';"
```

Next, edit `/etc/puppet-dashboard/databse.yml` to make sure it contains the password we just set. In this example **verysecretpassword**. Edit the mysql configuration file `/etc/mysql/my.conf` to make sure the setting `max_allowed_packet` is 32M or more.

- Change directory to the location where Puppet Dashboard is installed and run the rake test to fill the database we just created:

```
cd /usr/share/puppet-dashboard/
sudo rake RAILS_ENV=production db:migrate
```

- Make sure the webserver can write to the log files

```
sudo chown www-data.www-data /usr/share/puppet-dashboard/log/*
```

- Start the Puppet Dashboard WEBrick server

```
sudo -u www-data ./script/server -e production
```

You should now be able to access the Puppet Dashboard webinterface on port 3000 of your server. <http://puppet.example.com:3000/>

Passenger

The WEBrick server is fine for testing, but not for production. Hence we run Puppet Dashboard with the Apache webserver.

- Stop the running WEBrick server with `ctrl+c` and copy the example config file to the apache vHosts directory and enable the vHost.

```
sudo cp /usr/share/puppet-dashboard/ext/passenger/dashboard-vhost.conf /etc/apache2/sites-available/puppet-dashboard
sudo a2ensite puppet-dashboard
```

- Edit `/etc/apache2/sites-enabled/puppet-dashboard` to match following. Don't forget to change ServerName.

```
Listen 3000
PassengerRuby /usr/bin/ruby
PassengerHighPerformance on
PassengerMaxPoolSize 12
PassengerPoolIdleTime 1500
PassengerStatThrottleRate 120

<VirtualHost *:3000>
    SetEnv RAILS_ENV production
    RailsBaseURI /
    ServerName puppet.example.com
    DocumentRoot /usr/share/puppet-dashboard/public/
    <Directory /usr/share/puppet-dashboard/public/>
        Options None
        AllowOverride AuthConfig
        Order allow,deny
        allow from all
    </Directory>
    ErrorLog /var/log/apache2/puppet-dashboard_error.log
    LogLevel warn
    CustomLog /var/log/apache2/puppet-dashboard_access.log combined
    ServerSignature On
</VirtualHost>
```

- Restart Apache to load our configuration:

```
sudo service apache2 restart
```

Open a webbrowser and go to the url you chose with the ServerName directive. Goto <http://docs.puppetlabs.com/dashboard/manual/1.2/bootstrapping.html#configuring-puppet> and configure PuppetMaster to communicate with Puppet Dashboard.

Note: I had to add a Listen directive to the vHost configuration, as the server would not automatically listen on the configured port and I did not set the Puppet Dashboard on the default port 80.

Resources

- <http://docs.puppetlabs.com/dashboard/manual/1.2/bootstrapping.html>
- <https://wiki.debian.org/PuppetDashboard>

History

#1 - 08/20/2013 07:51 AM - Daniel Curtis

- *Description updated*

#2 - 02/16/2015 02:32 PM - Daniel Curtis

- *Description updated*

#3 - 02/16/2015 02:33 PM - Daniel Curtis

- *Project changed from 30 to GNU/Linux Administration*

- *Category set to Automated Server Management*