**Monitoring RabbitMQ using Nagios**

Before proceeding with below steps, make sure that you have already RabbitMQ Server installed in your Linux box, if you haven’t found/install yet, then you can install RabbitMQ by using the below command.

$ cd

$ sudo apt-get update

$ sudo apt-get install rabbitmq-server

* Once you have done with RabbitMQ installation, open its configuration file and uncomment #ulimit –n 2-014.

$ sudo vim /etc/default/rabbitmq-server

**\*\* Uncomment #ulimit -n 1024 --> Save and exit**

$ sudo apt-get install aptitude

$ sudo aptitude install libnagios-object-perl libnagios-plugin-perl

$ sudo rabbitmq-plugins enable rabbitmq\_management

$ sudo ufw allow 15672

$ sudo service rabbitmq-server restart

* Logon to RabbitMQ UI --> <http://yourhost(name/ip):15672>

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* Default username and password is: **guest**
* Create the user with admin rights (username=admin, password=admin123)

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* Click on add user button.
* In next screen, you will able to see both guest and admin user, click on admin user to assign the access roles

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* Select the roles as shown in below screenshot, and click on set permissions button

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1. Install the dependencies

$ sudo cpan install Monitoring::Plugin

$ sudo cpan install DateTime::TimeZone

$ sudo cpan install JSON

$ sudo cpan install Math::Calc::Units

$ sudo cpan install Config::Tiny

$ sudo cpan install LWP::UserAgent

$ sudo cpan install Bundle::CPAN (Optional)

1. Download the plugins nagios-rabbitmq plugins:

$ cd

$ cd downloads

$ wget --no-check-certificate <https://github.com/jamesc/nagios-plugins-rabbitmq/archive/master.zip>

1. Extract the download **master.zip** file

$ unzip master.zip

* It will extract the directory named “**nagios-plugins-rabbitmq-master**”

1. Rename the extracted directory.

$ mv nagios-plugins-rabbitmq-master nagios-plugins-rabbitmq

1. Rename the downloaded .zip file to identify in the future directory.

$ mv master.zip rabbitmq-plugins.zip

1. Copy the directory to /usr/local/nagios/libexec

$ sudo cp -r nagios-plugins-rabbitmq /usr/local/nagios/libexec/

1. Set the owner and group along with the permissions.

$ sudo chown -R nagios.nagios /usr/local/nagios/libexec/nagios-plugins-rabbitmq

$ sudo chmod -R 775 /usr/local/nagios/libexec/nagios-plugins-rabbitmq

1. Create the directory “**rabbitmq**” under **“/usr/local/nagios/etc**”

$ sudo mkdir –p /usr/local/nagios/etc/rabbitmq

* Go to newly created directory.

$ cd /usr/local/nagios/etc/rabbitmq

1. Create the “**rabbitmq-services.cfg**” file to define the rabbitmq services.

$ sudo vim rabbitmq-services.cfg

* Add the service definitions to the file, save and exit

1. Create the “**rabbitmq-cmds.cfg**” file to define the rabbitmq command definitions.

$ sudo vim rabbitmq-cmds.cfg

* Add the command definitions to the file, save and exit

1. Add the created rabbitmq directory to nagios.cfg file.

$ cd /usr/local/nagios/etc

$ sudo vim nagios.cfg

Now add below line.

cfg\_dir=/usr/local/nagios/etc/rabbitmq

1. Check the configuration is fine or not?

sudo /usr/local/nagios/bin/nagios -v /usr/local/nagios/etc/nagios.cfg

1. Restart the nagios server

$ sudo service nagios restart