Kubernetes integration

[How to setup integration of Kubernetes with Newrelic: install and configure? - DevOpsSchool.com](https://www.devopsschool.com/blog/how-to-setup-integration-of-kubernetes-with-newrelic-install-and-configure/)

What we want from kunernetes

* Kube state metrics – pods
* Promothesus metrics
* Events
* Log data

Before integrating Kubernetes to newrelic , helm should be installed in Kubernetes master server.

Helm is package manager

From newrelic select Kubernetes and fill the clustername and name space, follow the commands and paste in kub master. Data will be received in newrelic cloud.

Mysql integration with newrelic

Step1 – install mysql

Step2 – install infra agent

Step3 - install integration agent

Step4 – enable and config mysql with all need full

[How to monitor mysql using NewRelic with integration in Linux? - DevOpsSchool.com](https://www.devopsschool.com/blog/how-to-monitor-mysql-using-newrelic-with-integration-in-linux/)

After installing mysql , follow blow steps

$ sudo yum -q makecache -y --disablerepo='\*' --enablerepo='newrelic-infra'

$ sudo yum install nri-mysql

$ sudo systemctl restart newrelic-infra

# From the command line, create a user newrelic@localhost with a specific password by running:

$ sudo mysql -e "CREATE USER 'newrelic'@'localhost' IDENTIFIED BY $YOUR\_PASSWORD WITH MAX\_USER\_CONNECTIONS 5;"

# Grant replication privileges to newrelic@localhost, with a maximum of 5 connections, by running:

$ sudo mysql -e "GRANT REPLICATION CLIENT ON \*.\* TO 'newrelic'@'localhost' WITH MAX\_USER\_CONNECTIONS 5;"

# Grant privileges to newrelic@localhost, with a maximum of 5 connections, by running: $ sudo mysql -e "GRANT SELECT ON \*.\* TO 'newrelic'@'localhost' WITH MAX\_USER\_CONNECTIONS 5;"

# Change the directory to the integration's folder.

$ cd /etc/newrelic-infra/integrations.d

$ sudo cp mysql-config.yml.sample mysql-config.yml

# Edit the configuration file mysql-config.yml as explained in the next section.

$ vi mysql-config.yml

$ Restart the infrastructure agent.

**Nginx integration with newrelic**

Step1 – install nginx

## 

$ vi /etc/yum.repos.d/nginx.repo

Append following for CentOS 7.x:

[nginx]

name=nginx repo

baseurl=http://nginx.org/packages/mainline/centos/7/$basearch/

gpgcheck=0

enabled=1

To install latest stable nginx server, run the following yum command:

$ sudo yum update

$ sudo yum install nginx

## Start/stop/restart nginx server

$ sudo systemctl enable nginx

$ sudo systemctl start nginx

$ sudo systemctl stop nginx

$ sudo systemctl restart nginx

$ sudo systemctl status nginx

## Open port 80 and 443 using firewall-cmd

You must open and enable port 80 and 443 using the firewall-cmd command:

$ sudo firewall-cmd --permanent --zone=public --add-service=http

$ sudo firewall-cmd --permanent --zone=public --add-service=https

$ sudo firewall-cmd --reload

Step2- Configure nginx integration

$ sudo yum -q makecache -y --disablerepo='\*' --enablerepo='newrelic-infra'

$ sudo yum install nri-nginx

$ sudo systemctl restart newrelic-infra

Now copy nginx-config.yml.smaple to nginx-config.yml and modify it

Step3 – enable nginx status page

[How to Enable NGINX Status Page (tecmint.com)](https://www.tecmint.com/enable-nginx-status-page/)

Check the status module

# # nginx -V 2>&1 | grep -o with-http\_stub\_status\_module

If not present install module and enable it.