



链滴

MySQL 性能监控软件Nagios的安装及配置教程

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<p>Nagios是一款Linux上成熟的监视系统运行状态和网络信息的开原IT基础设施监视系统，Nagios 监视所指定的本地或远程主机及服务，例如HTTP服务、FTP服务等，同时提供异常通知、事件处理等能，当主机或服务出现故障时，Nagios还可以通过邮件、手机短信等形式在第一时间进行通知。Nagios可运行在Linux和Unix平台上，同时提供一个可选的基于浏览器的Web界面，方便系统管理员查看系的运行状态、网络状态、各种系统问题及日志异常等。
环境：192.168.0.201 mysql主机 rhel6.4
 192.186.0.202 nagios主机 rhel6.4
安装相关软件包：</p>

<div class="jb51code">

```
<pre class="brush:bash;"> yum install httpd gcc make perl-ExtUtils-Embed.x86_64 -y
yum localinstall gd-devel-2.0.35-11.el6.x86_64.rpm -y
```

</pre>

</div>

<p>安装nagios: </p>

<div class="jb51code">

```
<pre class="brush:bash;">useradd nagios
```

```
usermod -G nagios apache
```

```
#编译所需软件包
```

```
#运行 nagios 服务的用户
```

```
#使 apache 用户对 nagios 目录具有写权限,不然 web 页面操作失败
```

```
tar jxf nagios-cn-3.2.3.tar.bz2
```

```
#nagios 软件安装
```

```
cd nagios-cn-3.2.3
```

```
./configure --enable-embedded-perl
```

```
make all //根据提示完成安装
```

```
make install
```

```
make install-init
```

```
make install-commandmode
```

```
make install-config
```

```
make install-webconf //在apache下通过这条命令可以快速整合
```

```
</pre>
```

</div>

<p>安装nagios-plugins: </p>

<div class="jb51code">

```
<pre class="brush:bash;">yum install mysql-devel openssl-devel -y
```

```
tar zxf nagios-plugins-1.4.15.tar.gz
```

```
cd nagios-plugins-1.4.15
```

```
./configure --with-nagios-user=nagios --with-nagios-group=nagios --enable-extra-opts --enable-libtap --enable-perl-modules
```

```
make
```

```
make install
```

```
</pre>
```

</div>

<p>配置nagios: </p>

<div class="jb51code">

```
<pre class="brush:bash;">vi /usr/local/nagios/etc/nagios.cfg
```

```
</pre>
```

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<div class="jb51code">

```
<pre class="brush:plain;"> #cfg_file=/usr/local/nagios/etc/objects/localhost.cfg #注释掉localhost.cfg文件
```

```
cfg_file=/usr/local/nagios/etc/objects/services.cfg #新建 services.cfg 文件,存放服务与服务组义
```

```
cfg_file=/usr/local/nagios/etc/objects/hosts.cfg #新建 hosts.cfg 文件,存放主机与主机组定义
```

```

</pre>
</div>
<p>配置hosts.cfg: </p>
<div class="jb51code">
<pre class="brush: bash;">vi /usr/local/nagios/etc/objects/hosts.cfg
</pre>
</div>
<div class="jb51code">
<pre class="brush: plain;">define host{           //主机的管理
use linux-server           //使用默认的主机规则
host_name vm2.example.com //主机名
alias Nagios vm2          //主机别名
address 127.0.0.1         //主机ip地址
icon_image switch.gif     //图标
statusmap_image switch.gd2
2d_coords 100,200         //2D图像坐标
3d_coords 100,200,100     //3D图像坐标
}
define hostgroup{        //主机组的管理
hostgroup_name linux-servers //主机组名字
alias Linux Servers      //别名
members *                // *代表上面所有主机

</pre>
</div>
<p>配置mysql<br />----建立nagdb专用数据库</p>
<div class="jb51code">
<pre class="brush: sql;">mysql> create database nagdb default CHARSET=utf8;
</pre>
</div>
<div class="jb51code">
<pre class="brush: plain;">Query OK, 1 row affected (0.01 sec)

</pre>
</div>
<div class="jb51code">
<pre class="brush: bash;">mysql> grant select on nagdb.* to 'nagios'@'%';
</pre>
</div>
<div class="jb51code">
<pre class="brush: plain;">Query OK, 0 rows affected (0.00 sec)

</pre>
</div>
<div class="jb51code">
<pre class="brush: sql;">mysql> update mysql.user set 'Password' = PASSWORD('nagios') wh
re 'User'='nagios';
</pre>
</div>
<div class="jb51code">
<pre class="brush: plain;">ERROR 1064 (42000): You have an error in your SQL syntax; check t
e manual that corresponds to your MySQL server version for the right syntax to use near "Pas
word' = PASSWORD('nagios') where 'User'='nagios'" at line 1

```

```
mysql> update mysql.user set Password = PASSWORD('nagios') where user='nagios';
Query OK, 1 row affected (0.03 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

```
</pre>
```

```
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```

```
<div class="jb51code">
```

```
<pre class="brush:sql;">mysql> flush privileges;
```

```
</pre>
```

```
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```

```
<div class="jb51code">
```

```
<pre class="brush:plain;">Query OK, 0 rows affected (0.00 sec)
```

```
</pre>
```

```
</div>
```

```
<p>----用以下命令来验证一下: </p>
```

```
<div class="jb51code">
```

```
<pre class="brush:bash;">[root@node2 etc]# /usr/local/nagios/libexec/check_mysql -H 192.68.1.152 -u nagios -d nagdb -p nagios
```

```
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```

```
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```

```
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```

```
<pre class="brush:plain;">Uptime: 3374 Threads: 1 Questions: 11 Slow queries: 0 Opens: 33 Flush tables: 1 Open tables: 26 Queries per second avg: 0.003
```

```
</pre>
```

```
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```

```
<p>备注:如果出现: /usr/local/nagios/libexec/check_mysql: error while loading shared libraries libmysqlclient.so.18: cannot open shared object file: No such file or directory<br />请查看$MYSQL_HOME/lib </p>
```

```
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```

```
<pre class="brush:bash;">[root@node2 lib]# ln -s ./libmysqlclient.so.18.0.0 /usr/lib/libmysqlclient.so.18
```

```
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```

```
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```

```
<p>配置nrpe.cfg</p>
```

```
<div class="jb51code">
```

```
<pre class="brush:bash;">[root@node2 etc]# tail /usr/local/nagios/etc/nrpe.cfg
```

```
</pre>
```

```
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```

```
<div class="jb51code">
```

```
<pre class="brush:plain;">command[check_mysql]=/usr/local/nagios/libexec/check_mysql -H 192.168.1.152 -u nagios -d nagdb -p nagios //加入此行
```

```
</pre>
```

```
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```

```
<p>配置nagios服务端</p>
```

```
<div class="jb51code">
```

```
<pre class="brush:bash;">[root@node1 etc]# cat services.cfg //加入下面内容
```

```
</pre>
```

```
</div>
```

```
<div class="jb51code">
```

```
<pre class="brush:plain;">define service{
    use          local-service
```

```
host_name      node2
service_description  mysql
check_command  check_nrpe!check_mysql
notifications_enabled  1
}
```

</pre>

</div>

<p>最后重启nrpe和服务端的nagios。 </p>