

环境：CentOS6.5 minimal  
目标：安装Ganglia核心组件（gmond, gmetad, gmetric, gstat, libganglia）、Ganglia web

## 准备

yum加入 epel 源  
rpm -Uvh [http://dl.fedoraproject.org/pub/epel/6/x86\\_64/epel-release-6-8.noarch.rpm](http://dl.fedoraproject.org/pub/epel/6/x86_64/epel-release-6-8.noarch.rpm)

yum加入 remi 源  
rpm -Uvh <http://rpms.famillecollet.com/enterprise/remi-release-6.rpm>

下载  
<http://ganglia.info/>

## 安装依赖包

```
yum install gcc apr apr-devel libconfuse libconfuse-devel expat-devel pcre pcre-devel -y
如果需安装gmetad
yum install rrdtool rrdtool-devel -y
如果需安装gweb
yum install rsync -y
```

## 安装gmond

```
tar -zxvf ganglia-3.6.0.tar.gz
cd ganglia-3.6.0/
./configure
make && make install
```

## 安装gmetad

```
./configure --with-gmetad
make && make install
```

## 配置gmond、gmetad服务

```
cp gmetad/gmetad.init /etc/init.d/gmetad
chkconfig --add gmetad
```

```
cp gmond/gmond.init /etc/init.d/gmond
chkconfig --add gmond
```

```
vim /etc/init.d/gmond
修改如下（find / =name 'gmond' 搜索之）：
GMOND=/usr/local/sbin/gmond
```

```
vim /etc/init.d/gmetad
修改如下（find / =name 'gmetad' 搜索之）：
GMETAD=/usr/local/sbin/gmetad
```

为维护方便，修改配置路径：  
mkdir -p /etc/ganglia  
ln -s /usr/local/etc/gmetad.conf /etc/ganglia/gmetad.conf  
gmond -t > /usr/local/etc/gmond.conf  
ln -s /usr/local/etc/gmond.conf /etc/ganglia/gmond.conf

## 安装PHP

```
PHP5.3
yum install php-fpm php-common php-devel php-mysqlnd php-mbstring php-mcrypt -y
```

```
PHP5.5
yum --enablerepo=remi,remi-php55 install php-fpm php-common php-devel php-mysqlnd php-mbstring php-mcrypt
```

安装一个即可

```
chkconfig php-fpm on
```

## 安装Nginx

```
yum install nginx -y
chkconfig nginx on
```

## Nginx配置php

```
cd /etc/nginx/conf.d/
mv default.conf defalut.conf.orig
vim /etc/nginx/conf.d/defalut.conf
```

新增如下代码：

```
location ~ \.php$ {
    root           /var/www;
    fastcgi_pass   127.0.0.1:9000;
    fastcgi_index  index.php;
    fastcgi_param  SCRIPT_FILENAME  $document_root/$fastcgi_script_name;
    include        fastcgi_params;
}
```

## 启动服务

```
service gmond start
service gmetad start
service php-fpm start
service nginx start
```

## 测试PHP+Nginx

```
cd /var/www
vim test.php
```

```
<?php
phpinfo();
?>
```

访问：<http://<php server ip>/test.php>，出现如下界面即为调试成功



## 安装Ganglia Web

```
tar -zxvf ganglia-web-3.5.12.tar.gz
cd ganglia-web-3.5.12/
vim Makefile
```

```
GDESTDIR = /var/www/ganglia
APACHE_USER = apache # 与 /etc/php-fpm.d/www.conf 中user保持一致
```

```
make install
```

Nginx新增ganglia文件目录访问配置  
vim /etc/nginx/conf.d/defalut.conf

```
location /ganglia {
    root /var/www;
    index index.html index.htm index.php;
}
```

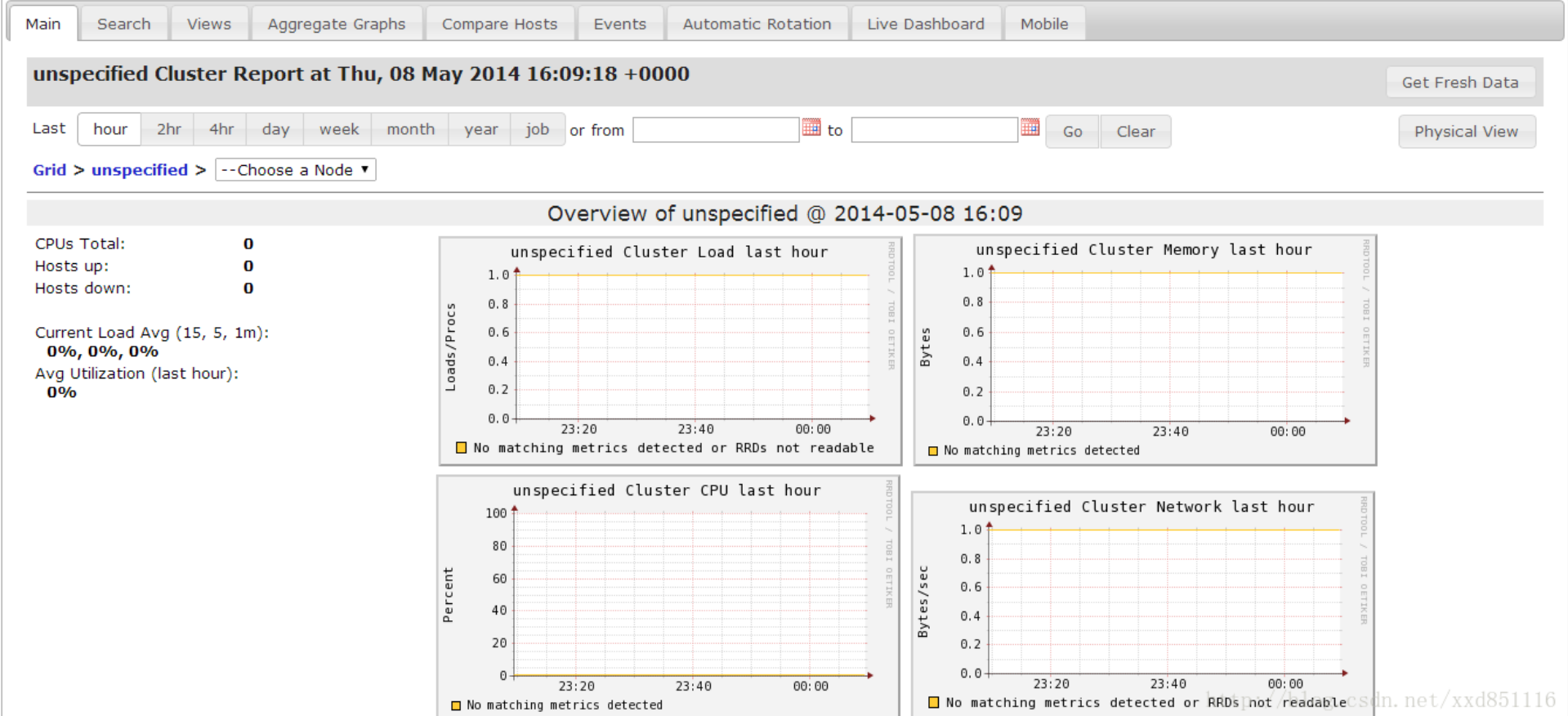
```
cd /var/www
chown apache:apache ganglia/

mkdir -p /var/lib/ganglia/rrds
chown nobody:nobody /var/lib/ganglia/rrds
```

## 访问Ganglia Web

<http://<ganglia server ip >/ganglia>

呈现如下界面：



(完)