**Zabbix服务端安装**

**说明:**

本次zabbix的安装模式为单节点(10.25.23.127、10.25.23.128),集群模式有些问题，分配的vip为10.25.23.241。

存储监控数据的数据库相关信息:

|  |  |  |
| --- | --- | --- |
| 数据库类型 | mysql | 命令 |
| 数据库名 | zabbix | create database zabbix character set utf8; |
| 用户名/密码 | zabbix/ Pass1234 | grant all privileges on zabbix.\* to 'zabbix'@'%' identified by 'Pass1234';  flush privileges; |

1. 准备安装所需rpm包，rpm包如下，可从<http://repo.zabbix.com/zabbix/2.2>下载

|  |
| --- |
| fping-2.4b2-16.el6.x86\_64.rpm zabbix-agent-2.2.10-1.el6.x86\_64.rpm  iksemel-1.4-2.el6.x86\_64.rpm zabbix-java-gateway-2.2.10-1.el6.x86\_64.rpm  iksemel-devel-1.4-2.el6.x86\_64.rpm zabbix-server-2.2.10-1.el6.x86\_64.rpm  iksemel-utils-1.4-2.el6.x86\_64.rpm zabbix-server-mysql-2.2.10-1.el6.x86\_64.rpm  zabbix-2.2.10-1.el6.x86\_64.rpm zabbix-web-2.2.10-1.el6.noarch.rpm  zabbix-web-mysql-2.2.10-1.el6.noarch.rpm |

1. 安装依赖包

|  |
| --- |
| yum -y install java gnutls-devel OpenIPMI-libs apr apr-util apr-util-ldap httpd httpd-tools libXpm php php-bcmath php-cli php-common php-gd php-mbstring php-mysql php-pdo php-xml unixODBC |

1. 安装zabbix相关包

|  |
| --- |
| rpm -ivh fping-2.4b2-16.el6.x86\_64.rpm iksemel-devel-1.4-2.el6.x86\_64.rpm zabbix-2.2.10-1.el6.x86\_64.rpm zabbix-agent-2.2.10-1.el6.x86\_64.rpm zabbix-server-2.2.10-1.el6.x86\_64.rpm zabbix-web-2.2.10-1.el6.noarch.rpm iksemel-1.4-2.el6.x86\_64.rpm iksemel-utils-1.4-2.el6.x86\_64.rpm zabbix-2.2.5.tar.gz zabbix-java-gateway-2.2.10-1.el6.x86\_64.rpm zabbix-server-mysql-2.2.10-1.el6.x86\_64.rpm zabbix-web-mysql-2.2.10-1.el6.noarch.rpm |

1. 修改/etc/httpd/conf.d/zabbix.conf中的时区配置

|  |
| --- |
| php\_value date.timezone Asia/Shanghai |

1. 启动apache

|  |
| --- |
| service httpd restart |

1. 配置数据库（自行安装mysql）

|  |
| --- |
| mysql> create database zabbix character set utf8;  mysql> grant all privileges on zabbix.\* to 'zabbix'@'%' identified by 'Pass1234';  mysql> flush privileges; |

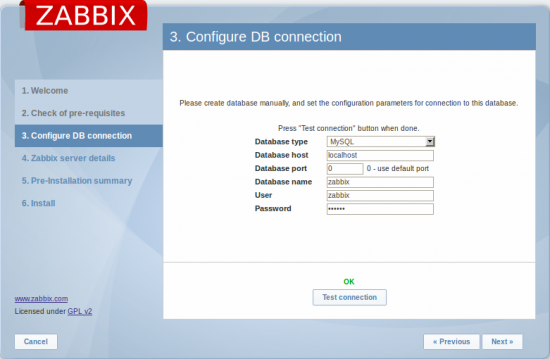
1. 配置zabbix Java gateway，配置文件为/etc/zabbix/zabbix\_server.conf

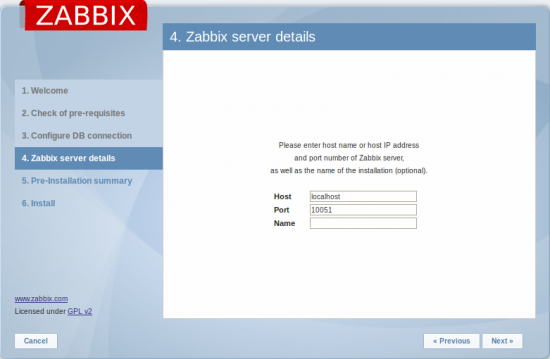
|  |
| --- |
| DBHost=zabbixdb  DBPassword=Pass1234  JavaGateway=10.25.24.241  StartJavaPollers=5 |

1. 启动zabbix-server并配置服务开机启动

|  |
| --- |
| service zabbix-server start  chkconfig zabbix-server on  chkconfig mysqld on  chkconfig httpd on  chkconfig zabbix-java-gateway on |

1. 使用浏览器访问<http://ip/zabbix>进行图形化安装（安装过程需配置数据库服务器连接信息）：





安装完成后可登陆zabbix服务端进行配置，默认用户名admin/zabbix

备注:集群部署待重新验证

**Zabbix集群部署**

1. 安装相关包（两节点分别执行）（pcs包需单独安装，yum安装的pcs存在bug）

|  |
| --- |
| yum -y install pacemaker cman ccs resource-agents corosync  rpm -ivh pcs-0.9.123-9.0.1.el6.centos.x86\_64.rpm |

1. 配置/etc/hosts，内容如下（两节点分别执行）：

|  |
| --- |
| 10.25.23.200 zabbixserver1  10.25.23.201 zabbixserver2  10.25.23.230 zabbixcluster  10.25.23.113 zabbixdb |

1. 配置集群信息（两节点分别执行）

|  |
| --- |
| ccs -f /etc/cluster/cluster.conf --createcluster zabbixcluster  ccs -f /etc/cluster/cluster.conf --addnode zabbixserver1  ccs -f /etc/cluster/cluster.conf --addnode zabbixserver2  ccs -f /etc/cluster/cluster.conf --addfencedev pcmk agent=fence\_pcmk  ccs -f /etc/cluster/cluster.conf --addmethod pcmk-redirect zabbixserver1  ccs -f /etc/cluster/cluster.conf --addmethod pcmk-redirect zabbixserver2  ccs -f /etc/cluster/cluster.conf --addfenceinst pcmk zabbixserver1 pcmk-redirect port=zabbixserver1  ccs -f /etc/cluster/cluster.conf --addfenceinst pcmk zabbixserver2 pcmk-redirect port=zabbixserver2 |

1. 配置cman文件（两节点分别执行）

|  |
| --- |
| echo "CMAN\_QUORUM\_TIMEOUT=0" >> /etc/sysconfig/cman |

1. 启动集群（两节点分别执行）

|  |
| --- |
| ccs\_config\_validate  service cman start  cman\_tool nodes  service pacemaker start  chkconfig cman on  chkconfig pacemaker on |

1. 设置集群配置

|  |
| --- |
| pcs property set stonith-enabled=false  pcs property set no-quorum-policy=ignore  pcs property set default-resource-stickiness="100" |

1. 创建集群ip,绑定zabbix-server和ClusterID

|  |
| --- |
| pcs resource create ClusterIP IPaddr2 ip=10.25.23.230 cidr\_netmask=32 op monitor interval=5s  pcs resource create zabbix-server lsb:zabbix-server op monitor interval=5s  pcs resource create zabbix-java-gateway lsb:zabbix-java-gateway op monitor interval=5s  pcs resource group add zabbix-cluster ClusterIP zabbix-server |

1. 修改zabbix-server配置文件中数据库链接（两节点分别执行）

**zabbix\_agent安装**

1、复制rpm包（以10.25.23.202为例）

|  |
| --- |
| sshpass -p Root1q2w scp zabbix-agent-2.2.10-1.el6.x86\_64.rpm 10.25.23.202:/data/  sshpass -p Root1q2w scp zabbix-2.2.10-1.el6.x86\_64.rpm 10.25.23.202:/data/ |

 2、安装zabbix-agent

|  |
| --- |
| rpm -ivh /data/zabbix\* |

3、修改服务端地址

sed -i 's/Server=127.0.0.1/Server=10.25.23.230/g' /etc/zabbix/zabbix\_agentd.conf

4、启动zabbix-agent

service zabbix-agent start

chkconfig zabbix-agent on