

CentOS7.9-Zabbix 镜像使用帮助文档

1、镜像环境说明

镜像版本说明 操作系统： CentOS7.9 64 位
PHP 运行环境 (CentOS 7.9 64 位 | nginx 1.14 | MariaDB 10.5 | zabbix 4.0.2)

1.1 zabbix 介绍

(1) Zabbix 是一个企业级分布式开源监控解决方案。

(2) Zabbix 软件能够监控众多网络参数和服务器的健康度、完整性。Zabbix 使用灵活的告警机制，允许用户为几乎任何事件配置基于邮件的告警。这样用户可以快速响应服务器问题。Zabbix 基于存储的数据提供出色的报表和数据可视化功能。这些功能使得 Zabbix 成为容量规划的理想选择。

1.2 镜像安装说明

镜像环境里相应软件的安装，是基于 CentOS 7 纯净版版的官方软件包安装配置，系统安全策略配置，系统调优、优化了相应功能。

在镜像环境中，所有软件包都是使用源码手工安装完成，您可以自由根据需求在 CentOS 7.9 系统中做自定义服务配置，安装后的环境跟全部属于默认配置。

1.3 软件默认配置：

Mariadb 数据文件： /var/lib/mysql

Nginx 配置文件： /usr/local/nginx/conf/nginx.conf

Zabbix 配置文件： /usr/local/zabbix/etc/zabbix_server.conf

2、MySQL 密码

服务器 SSH 账户 root 默认密码为新购 ECS 或者初始化系统盘时所设置；

2.1、mysql 账号： root 密码： abc.123

Zabbix 账号： zabbix 密码： zabbix 数据库： zabbix

修改 mysql 的密码：

```
mysqladmin -uroot -p 旧密码 password 新密码
```

注意： -p 和旧密码之间没有空格， password 和新密码之间有空格

3、软件目录及配置列表

所有软件都采用源码方式安装

Nginx 端口 80,
MySQL 端口 3306
Zabbix 端口 10051

4、软件操作命令汇总

Nginx: `systemctl start|stop|restart nginx`

```
[root@waoqi123 local]# systemctl status nginx
● nginx.service - The nginx HTTP and reverse proxy server
   Loaded: loaded (/usr/lib/systemd/system/nginx.service; disabled; vendor preset: disabled)
   Active: active (running) since Wed 2021-03-03 11:10:34 CST; 18min ago
     Process: 11887 ExecStart=/usr/sbin/nginx (code=exited, status=0/SUCCESS)
     Process: 11883 ExecStartPre=/usr/sbin/nginx -t (code=exited, status=0/SUCCESS)
     Process: 11881 ExecStartPre=/usr/bin/rm -f /run/nginx.pid (code=exited, status=0/SUCCESS)
    Main PID: 11890 (nginx)
      CGroup: /system.slice/nginx.service
             └─11890 nginx: master process /usr/sbin/nginx
                 └─11891 nginx: worker process
                   └─11892 nginx: worker process

Mar 03 11:10:34 waoqi123 systemd[1]: Starting The nginx HTTP and reverse proxy server...
Mar 03 11:10:34 waoqi123 nginx[11883]: nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
Mar 03 11:10:34 waoqi123 nginx[11883]: nginx: configuration file /etc/nginx/nginx.conf test is successful
Mar 03 11:10:34 waoqi123 systemd[1]: Started The nginx HTTP and reverse proxy server.
[root@waoqi123 local]#
```

mysql: `systemctl start|stop|restart mariadb`

```
[root@waoqi123 /]# systemctl status mariadb
● mariadb.service - MariaDB database server
   Loaded: loaded (/usr/lib/systemd/system/mariadb.service; disabled; vendor preset: disabled)
   Active: active (running) since Fri 2021-03-05 11:58:08 CST; 20min ago
     Main PID: 26383 (mysqld_safe)
      CGroup: /system.slice/mariadb.service
             └─26383 /bin/sh /usr/bin/mysqld_safe --basedir=/usr
                 └─26548 /usr/libexec/mysqld --basedir=/usr --datadir=/var/lib/mysql --plugin-dir=/usr/lib64/mysql/plugin ...

Mar 05 11:58:06 waoqi123 mariadb-prepare-db-dir[26299]: MySQL manual for more instructions.
Mar 05 11:58:06 waoqi123 mariadb-prepare-db-dir[26299]: Please report any problems at http://mariadb.org/jira
Mar 05 11:58:06 waoqi123 mariadb-prepare-db-dir[26299]: The latest information about MariaDB is available at http...rg/.
Mar 05 11:58:06 waoqi123 mariadb-prepare-db-dir[26299]: You can find additional information about the MySQL part at:
Mar 05 11:58:06 waoqi123 mariadb-prepare-db-dir[26299]: http://dev.mysql.com
Mar 05 11:58:06 waoqi123 mariadb-prepare-db-dir[26299]: Consider joining MariaDB's strong and vibrant community:
Mar 05 11:58:06 waoqi123 mariadb-prepare-db-dir[26299]: https://mariadb.org/get-involved/
Mar 05 11:58:06 waoqi123 mysqld_safe[26383]: 210305 11:58:06 mysqld_safe Logging to '/var/log/mariadb/mariadb.log'.
Mar 05 11:58:06 waoqi123 mysqld_safe[26383]: 210305 11:58:06 mysqld_safe Starting mysqld daemon with databases f...mysql
Mar 05 11:58:08 waoqi123 systemd[1]: Started MariaDB database server.
[root@waoqi123 /]#
```

Zabbix : `systemctl start|stop|restart zabbix_server`

```
[root@waoqi123 /]# systemctl status zabbix_server
● zabbix_server.service - SYSV: Zabbix Monitoring Server
   Loaded: loaded (/etc/rc.d/init.d/zabbix_server; bad; vendor preset: disabled)
   Active: active (running) since Fri 2021-03-05 11:59:24 CST; 18min ago
     Docs: man:systemd-sysv-generator(8)
     Process: 4365 ExecStart=/etc/rc.d/init.d/zabbix_server start (code=exited, status=0/SUCCESS)
    Main PID: 4373 (zabbix_server)
      CGroup: /system.slice/zabbix_server.service
             └─4373 /usr/local/zabbix/sbin/zabbix_server
                 └─4384 /usr/local/zabbix/sbin/zabbix_server: configuration syncer [synced configuration in 0.005574 sec, i
                   └─4385 /usr/local/zabbix/sbin/zabbix_server: alerter #1 started
                     └─4386 /usr/local/zabbix/sbin/zabbix_server: alerter #2 started
                       └─4387 /usr/local/zabbix/sbin/zabbix_server: alerter #3 started
                         └─4388 /usr/local/zabbix/sbin/zabbix_server: housekeeper [startup idle for 30 minutes]
                           └─4389 /usr/local/zabbix/sbin/zabbix_server: timer #1 [updated 0 hosts, suppressed 0 events in 0.000176 se
                             └─4390 /usr/local/zabbix/sbin/zabbix_server: http poller #1 [got 0 values in 0.000370 sec, idle 5 sec]
                               └─4391 /usr/local/zabbix/sbin/zabbix_server: discoverer #1 [processed 0 rules in 0.000254 sec, idle 60 sec
                                 └─4392 /usr/local/zabbix/sbin/zabbix_server: history syncer #1 [processed 0 values, 0 triggers in 0.000009
                                   └─4393 /usr/local/zabbix/sbin/zabbix_server: history syncer #2 [processed 0 values, 0 triggers in 0.000013
                                     └─4394 /usr/local/zabbix/sbin/zabbix_server: history syncer #3 [processed 0 values, 0 triggers in 0.000016
                                       └─4396 /usr/local/zabbix/sbin/zabbix_server: history syncer #4 [processed 0 values, 0 triggers in 0.000009
                                         └─4397 /usr/local/zabbix/sbin/zabbix_server: escalator #1 [processed 0 escalations in 0.000570 sec, idle 3
                                           └─4398 /usr/local/zabbix/sbin/zabbix_server: proxy poller #1 [exchanged data with 0 proxies in 0.000022 se
                                             └─4400 /usr/local/zabbix/sbin/zabbix_server: self-monitoring [processed data in 0.000009 sec, idle 1 sec]

```

5、验证

Nginx 版本

```
[root@waoqi123 ~]# /usr/local/nginx/sbin/nginx -v
nginx version: nginx/1.14.2
[root@waoqi123 ~]# █
```

Mysql 版本验证:

```
[root@waoqi123 ~]# mysql -V
mysql Ver 15.1 Distrib 5.5.68-MariaDB, for Linux (x86_64) using readline 5.1
[root@waoqi123 ~]# █
```

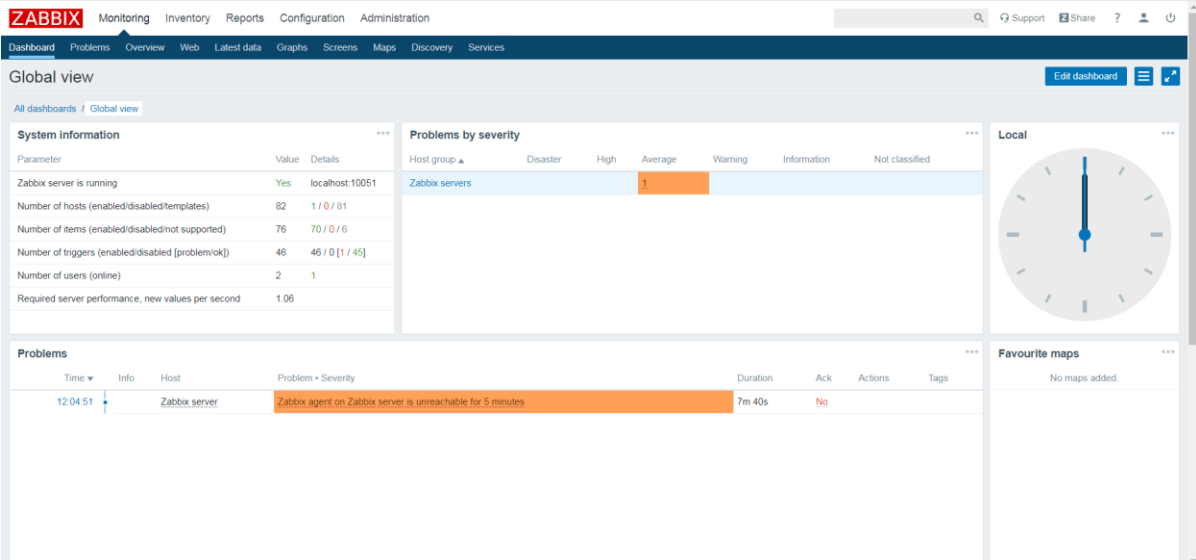
zabbix 版本验证:

```
[root@waoqi123 ~]# /usr/local/zabbix/sbin/zabbix_server -V
zabbix_server (Zabbix) 4.0.2
Revision 87228 26 November 2018, compilation time: Mar  5 2021 11:58:36

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License GPLv2+: GNU GPL version 2 or later <http://gnu.org/licenses/gpl.html>.
This is free software: you are free to change and redistribute it according to
the license. There is NO WARRANTY, to the extent permitted by law.
[root@waoqi123 ~]# █
```

Zabbix 登录:

地址: <http://ip> 账号: admin 密码: zabbix



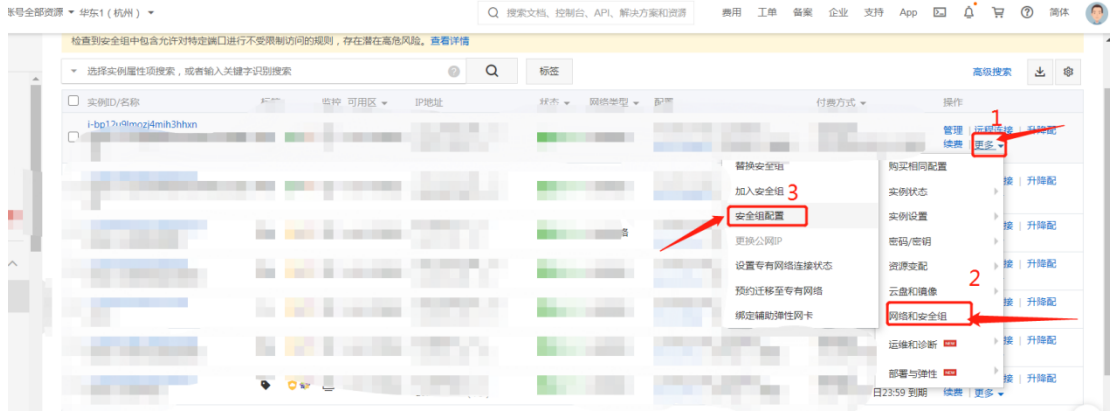
The screenshot shows the Zabbix web interface. The top navigation bar includes 'Monitoring', 'Inventory', 'Reports', 'Configuration', and 'Administration'. The main content area is titled 'Global view' and contains several widgets:

- System information:** A table with columns 'Parameter', 'Value', and 'Details'.

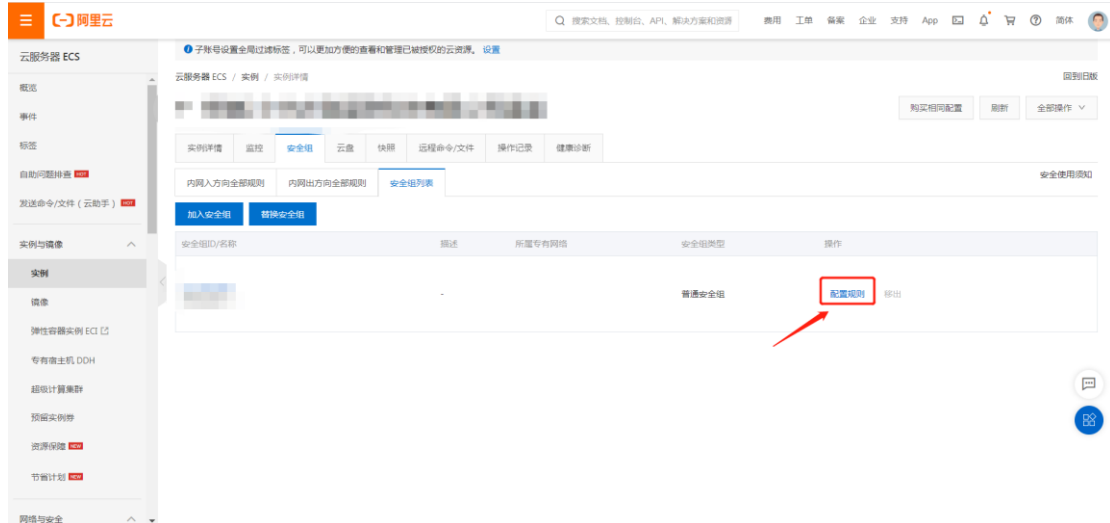
Parameter	Value	Details
Zabbix server is running	Yes	localhost:10051
Number of hosts (enabled/disabled/templates)	82	1 / 0 / 81
Number of items (enabled/disabled/not supported)	76	70 / 0 / 6
Number of triggers (enabled/disabled [problem/ok])	46	46 / 0 [1 / 45]
Number of users (online)	2	1
Required server performance, new values per second	1.06	
- Problems by severity:** A table with columns 'Host group', 'Disaster', 'High', 'Average', 'Warning', 'Information', and 'Not classified'. It shows one problem under 'Zabbix servers' in the 'Average' category.
- Local:** A circular clock widget showing the local time.
- Problems:** A table with columns 'Time', 'Info', 'Host', 'Problem • Severity', 'Duration', 'Ack', 'Actions', and 'Tags'. It shows one problem: 'Zabbix agent on Zabbix server is unreachable for 5 minutes' with a duration of '7m 40s' and 'No' actions.
- Favourite maps:** A section indicating 'No maps added'.

6、阿里云开放安全组

如图步骤依次点击到安全组配置



点击配置规则



点击公网入方向，点击手动添加，输入端口以及授权对象的 ip 点击保存即可



【公司简介】

北京众合云创科技有限公司，以技术服务为核心的技术性服务商，公司技术实力雄厚，企业核心人员，来自于BTA，拥有丰富的行业经验，以及扎实的技术功底，以

及高效的团队管理经验。公司从软件定制开发，到后期安全运维服务，全方位为客户提供解决方案。节约客户成本，提高服务质量。

【声明】

- 1、镜像中如有收费软件，请根据软件官方说明购买使用版权，因版权问题产生的纠纷本公司概不负责。
- 2、 镜像操作系统为公司定制，并经过反复测试验证，请参照商品详情中信息使用，免费镜像为客户体验使用，收费镜像为镜像制作费用，除镜像本身默认环境问题，均不含任何人工技术支持。
- 3、部分付费镜像有安全加固，但不保证服务器绝对安全，互联网中不存在绝对安全的服务器，请做好代码安全，并培养良好的使用习惯。

【售后问题】

- 1、如有软件不能正常使用的情况请联系在线技术支持；
- 2、如需在线技术支持，配置、调试、故障排查等参照本公司服务类商品定价，下单后联系技术支持；

【售后支持范围】

售后服务：初始环境不能正常使用；如有任何配置修改，不在售后支持范围；

售后服务时间：周一至周六 9：00—20：00 。

售后客服联系方式：15810196073 邮箱：hu.tang@waoqi.com

业务范围：服务器环境配置，故障排查（不含程序自身问题），数据库配置更改，数据库权限、账户，数据迁移，程序迁移，数据库故障 排查等；

费用范围：详情参照本公司服务类商品定价，或咨询在线技术支持。