

# Orabbix Oracle monitoring with Zabbix

<http://www.smartmarmot.com/product/orabbix/>

## To be done on Oracle side

```
CREATE USER zabbix
  IDENTIFIED BY zabbix
  DEFAULT TABLESPACE SYSTEM
  TEMPORARY TABLESPACE TEMP
  PROFILE DEFAULT
  ACCOUNT UNLOCK;
GRANT CONNECT TO zabbix;
GRANT RESOURCE TO zabbix;
ALTER USER zabbix DEFAULT ROLE ALL;
GRANT SELECT ANY TABLE TO zabbix;
GRANT CREATE SESSION TO zabbix;
GRANT SELECT ANY DICTIONARY TO zabbix;
GRANT UNLIMITED TABLESPACE TO zabbix;
GRANT SELECT ANY DICTIONARY TO zabbix;

exec dbms_network_acl_admin.create_acl(acl => 'resolve.xml',description => 'resolve acl', principal =>'ZABBIX',
is_grant => true, privilege => 'resolve');
exec dbms_network_acl_admin.assign_acl(acl => 'resolve.xml', host => '*');
commit;
```

## To be done on Zabbix side

### Install orabbix

```
mkdir /opt/orabbix
cd /opt/orabbix
wget "http://downloads.sourceforge.net/project/orabbix/orabbix-1.2.3.zip?r=http%3A%2F%2Fwww.smartmarmot.com%2Fproduct%2Forabbix%2Fdownload%2F&ts=1451480795&use_mirror=skylink"
mv orabbix-1.2.3.zip\?r\=http\:%2F%2Fwww.smartmarmot.com%2Fproduct%2Forabbix%2Fdownload%2F&ts\=1451480795\&use_mirror\=skylink orabbix-1.2.3.zip
chmod +x init.d/orabbix
chmod +x run.sh

cat ./template/Orabbix_export_full.xml
mv /opt/orabbix/conf/config.props.sample /opt/orabbix/conf/config.props
vi /opt/orabbix/conf/config.props
cp init.d/orabbix /etc/init.d/orabbix
/sbin/chkconfig orabbix on
/etc/init.d/orabbix start
```

### Configure orabbix

## **/opt/orabbix/conf/config.props**

```
#comma separed list of Zabbix servers
ZabbixServerList=ZabbixServer
ZabbixServer.Address=zabbix-server.example.com
ZabbixServer.Port=10051

#pidFile
OrabbixDaemon.PidFile=./logs/orabbix.pid
#frequency of item's refresh
OrabbixDaemon.Sleep=300
#MaxThreadNumber should be >= than the number of your databases
OrabbixDaemon.MaxThreadNumber=10

#put here your databases in a comma separated list
DatabaseList=DEV,QA,PROD

#Configuration of Connection pool
#if not specified Orabbis is going to use default values (hardcoded)
#Maximum number of active connection inside pool
DatabaseList.MaxActive=10
#The maximum number of milliseconds that the pool will wait
#(when there are no available connections) for a connection to be returned
#before throwing an exception, or <= 0 to wait indefinitely.
DatabaseList.MaxWait=100
DatabaseList.MaxIdle=1
DefaultUser = zabbix
DefaultPassword = zabbix

#define here your connection string for each database
DEV.Url=jdbc:oracle:thin:@db-dev.example.com:1521:DEV
DEV.QueryListFile=./conf/query.props

QA.Url=jdbc:oracle:thin:@db-qa.example.com:1521:QA
QA.QueryListFile=./conf/query.props

PROD.Url=jdbc:oracle:thin:@db-prod.example.com:1521:PROD
PROD.QueryListFile=./conf/query.props
```

## **Import template**

```
vi ./template/Orabbix_export_full.xml
```

Configuration / Templates / Import

## **Configure databases on Zabbix**

1. Import oracle template for Zabbix (see sections below)
2. Add host with name that is match orrabbix config (PROD, QA, DEV)
3. Add oracle template to host.
4. Configure screens and other.

## **Orabbix triggers tuning**

## Configuration -> Templates -> Oracle -> Triggers

### Reduce Lock alert level

```
Locks on {HOSTNAME} exist for at least 10 minutes  
{Template_Oracle:locks.str(none,#5)}=0
```

### Reduce Active sessions warning level

```
Active Session {HOSTNAME} more than 50 for last 6 min  
{Template_Oracle:session_active.avg(#3)}>50
```