# Zabbix--Oracle监控安装

## 一、Orabbix简介说明

　　 orabbix是一个用来监控oracle数据库性能的zabbix插件工具，通过安装在被监控服务器上客户端上收集数据并传给zabbix服务器端，然后通过调用图形显示。具有以下功能：

        (1)、数据库版本

　　 (2)、归档文件

　　 (3)、等待的事件（如文件的I/O，单块的读，多块的读，直接读，SQLNet消息，控制文件I/O，日志写等）

　　 (4)、HitRatio（监控Hit Ratio的触发，表/存储过程，SQLArea，Body）

　　 (5)、逻辑I/O（当前读操作，持续的读操作，块的更改）

　　 (6)、PGA

　　 (7)、SGA（固定的缓冲，JAVApool，Large Pool，Log Buffer，Shared Pool，Buffer Cache）

　　 (8)、物理I/O（重写操作，数据文件写操作，数据文件读操作）

　　 (9)、SharePool（PoolDictionary Cache, Pool Free Memory, Library Cache,Sql Area ,Misc.）

　　 (10)、Pin Hit Ratio(monitor Hit Ratio on Trigger, Tables/Procedures, SQLArea,Body)

　　 (11)、Session/Processes(monitor Sessions and processes)

　　 (12)、Session (ActiveSession, Inactive Sessions, System Session)

## 二、上传并安装jdk8

上传JDK8安装包到Oracle数据库服务器/data/rpm目录，JDK8安装包在svn上！（自己网上下载也行）

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| cd  /data/rpm  tar  -xvf jdk-8u45-linux-x64. tar .gz -C  /usr/lib/jvm |

## 三、创建oracle监控帐号，在oracle的sqlplus窗口里面执行：

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| CREATE  USER zabbix IDENTIFIED BY  "!QAZ6yhn"  DEFAULT TABLESPACE USERS TEMPORARY TABLESPACE TEMP PROFILE DEFAULT ACCOUNT UNLOCK;  GRANT  ALTER SESSION TO zabbix;  GRANT CREATE SESSION TO zabbix;  GRANT CONNECT TO zabbix;  ALTER USER zabbix DEFAULT ROLE ALL;  GRANT SELECT ON V\_$INSTANCE TO zabbix;  GRANT SELECT ON DBA\_USERS TO zabbix;  GRANT SELECT ON V\_$LOG\_HISTORY TO zabbix;  GRANT SELECT ON V\_$LOG TO zabbix;  GRANT SELECT ON V\_$PARAMETER TO zabbix;  GRANT SELECT ON SYS.DBA\_AUDIT\_SESSION TO zabbix;  GRANT SELECT ON V\_$LOCK TO zabbix;  GRANT SELECT ON DBA\_REGISTRY TO zabbix;  GRANT SELECT ON V\_$LIBRARYCACHE TO zabbix;  GRANT SELECT ON V\_$SYSSTAT TO zabbix;  GRANT SELECT ON V\_$PARAMETER TO zabbix;  GRANT SELECT ON V\_$LATCH TO zabbix;  GRANT SELECT ON V\_$PGASTAT TO zabbix;  GRANT SELECT ON V\_$SGASTAT TO zabbix;  GRANT SELECT ON V\_$LIBRARYCACHE TO zabbix;  GRANT SELECT ON V\_$PROCESS TO zabbix;  GRANT SELECT ON DBA\_DATA\_FILES TO zabbix;  GRANT SELECT ON DBA\_TEMP\_FILES TO zabbix;  GRANT SELECT ON DBA\_FREE\_SPACE TO zabbix;  GRANT SELECT ON V\_$SYSTEM\_EVENT TO zabbix;  GRANT SELECT ON V\_$locked\_object TO zabbix;  GRANT SELECT ON dba\_objects TO zabbix;  GRANT SELECT ON dba\_tablespaces TO zabbix;  GRANT SELECT ON v\_$SESSION 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; |

## 四、安装部署Orabbix

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| mkdir  /usr/local/orabbix  cd  /usr/local/orabbix  wget  http: //nchc .dl.sourceforge.net /project/orabbix/orabbix-1 .2.3.zip  unzip orabbix-1.2.3.zip  chmod  +x run.sh  cp  init.d /orabbix  /etc/init .d/  sed  -i  's#/opt/orabbix#/usr/local/orabbix#g'  /etc/init .d /orabbix  chmod  +x  /etc/init .d /orabbix  sed  -i  's#java#/usr/lib/jvm/jdk1.8.0\_45/bin/java#g'   /usr/local/orabbix/run .sh |

## 五、配置config. Props：

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| cd /usr/local/orabbix/conf  mv config.props.sample config.props  vim config.props  #comma separed list of Zabbix servers  ZabbixServerList=ZabbixServer1  ZabbixServer1.Address=10.30.20.15            #指定zabbix-server  IP地址或者 zabbix-proxy IP地址  ZabbixServer1.Port=10051                     #指定zabbix服务端口  #ZabbixServer2.Address=IP\_ADDRESS\_OF\_ZABBIX\_SERVER  #ZabbixServer2.Port=PORT\_OF\_ZABBIX\_SERVER  #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=100  #put here your databases in a comma separated list  #指定Oracle服务器主机名 跟zabbix监控页面上的主机名必须一致  DatabaseList=DB20-14.lx-idc.net,dbfk  #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  #define here your connection string for each database  DB20-14.lx-idc.net.Url=[jdbc:oracle:thin:@10.30.20.14:1521:orcl](http://jdbcoraclethin:@10.30.20.14:1521:orcl)      #第一个Oracle主机Oracle连接信息  DB20-14.lx-idc.net.User=zabbix  DB20-14.lx-idc.net.Password=!QAZ6yhn  #Those values are optionals if not specified Orabbix is going to use the general values  DB20-14.lx-idc.net.MaxActive=10  DB20-14.lx-idc.net.MaxWait=100  DB20-14.lx-idc.net.MaxIdle=1  DB20-14.lx-idc.net.QueryListFile=. /conf/query .props  dbfk.Url=[jdbc:oracle:thin:@10.20.2.25:1521:ecology](http://jdbcoraclethin:@10.20.2.25:1521:ecology)                 #第二个Oracle主机Oracle连接信息  dbfk.User=zabbix  dbfk.Password=!QAZ6yhn  dbfk.MaxActive=10  dbfk.MaxWait=100  dbfk.MaxIdle=1  dbfk.QueryListFile=. /conf/query .props    #DB3.Url=[jdbc:oracle:thin:@server3.domain.example.com](http://jdbcoraclethin:@server3.domain.example.com):<LISTENER\_PORT>:DB3  #DB3.User=zabbix  #DB3.Password=zabbix\_password  #DB3.QueryListFile=./conf/query.props |

## 六、启动orabbix

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| service orabbix start |

## 附：成都新增oracle数据库需要配置监控无需在本机上安装orabbix了，只需要在数据库中执行第三部，并在第五步中增加新数据库的配置信息然后重启orabbix即可，但zabbix-agent还是需要安装的。