

centos 软件安装 -oracle

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原文链接: <https://ld246.com/article/1604654360385>

来源网站: [链滴](#)

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<p>1.准备工作</p>
<p>1.1.修改 DNS</p>
<p>vi /etc/resolv.conf</p>
<p>nameserver 114.114.114.114</p>
<p>1.2.安装 wget</p>
<p>curl <a href="https://ld246.com/forward?goto=http%3A%2F%2Fmirrors.aliyun.com%2Frepo%2FCentos-7.repo" target="_blank" rel="nofollow ugc">http://mirrors.aliyun.com/repo/Centos-7.repo</a> &gt;&gt; /etc/yum.repos.d/CentOS-Base.repo</p>
<p>yum clean all</p>
<p>yum makecache</p>
<p>yum install wget</p>
<p>1.3.下载 oracle</p>
<p>mkdir -p /home/soft/oracle</p>
<p>cd /home/soft<br>
下载文件到这</p>
<p>下载地址去官网点下载后查看, 因为 <a href="https://ld246.com/forward?goto=https%3A%2F%2Fdownload.oracle.com%2Fotn%2Flinux%2Foracle11g%2FR2%2Flinux.x64_11gR2_database_1of2.zip%3FAuthParam%3D1564022768_ea88d208bc292327a1218af0de65371a" target="_blank" rel="nofollow ugc">AuthParam</a> 的值会失效, 得用最新的链接</p>
<p>wget -b -c --http-user=<a href="https://ld246.com/forward?goto=mailto%3A76707076%40qq.com" target="_blank" rel="nofollow ugc">X</a>XX --http-password=XXX --output-document=linux.x64_11gR2_database_1of2.zip " <a href="https://ld246.com/forward?goto=https%3A%2F%2Fdownload.oracle.com%2Fotn%2Flinux%2Foracle11g%2FR2%2Flinux.x64_11gR2_database_1of2.zip%3FAuthParam%3D1564022768_ea88d208bc292327a1218af0de65371a" target="_blank" rel="nofollow ugc">https://download.oracle.com/otn/linux/oracle11g/R2/linux.64_11gR2_database_1of2.zip?AuthParam=1564022768_ea88d208bc292327a1218af0de65371</a>"</p>
<p>wget -b -c --http-user=<a href="https://ld246.com/forward?goto=mailto%3A76707076%40qq.com" target="_blank" rel="nofollow ugc">X</a>XX --http-password=XXX --output-document=linux.x64_11gR2_database_2of2.zip " <a href="https://ld246.com/forward?goto=https%3A%2F%2Fdownload.oracle.com%2Fotn%2Flinux%2Foracle11g%2FR2%2Flinux.x64_11gR2_database_2of2.zip%3FAuthParam%3D1564016926_ab61e9a6581154e7c522f0c89affb295" target="_blank" rel="nofollow ugc">http://download.oracle.com/otn/linux/oracle11g/R2/linux.x64_11gR2_database_2of2.zip?AuthParam=1564016926_ab61e9a6581154e7c522f0c89affb295</a></p>
<p>2.安装依赖</p>
<p>yum -y install elfutils-libelf expat glibc glibc-common glibc-devel glibc-headers libgcc libtdc++ libstdc++-devel pdksh gcc make binutils gcc-c++ compat-libstdc++-33 elfutils-libelf-devel elfutils-libelf-devel-static ksh libaio libaio-devel numactl-devel sysstat unixODBC unixODBC-devel pcre-devel libXext.i686 libXext</p>
<p>3.修改 hosts</p>
<p>vi /etc/hosts</p>
<p>添加本地 ip(XXX.XXX.XXX.XXX 改为你服务器的 ip)</p>
<p>XXX.XXX.XXX.XXX centos-oracle</p>
<p>4.关闭防火墙及 SELinux</p>
<p>systemctl stop firewalld.service</p>
<p>systemctl disable firewalld.service</p>
<p>setenforce 0</p>
<p>5.新建 oracle 用户</p>
<p>groupadd oinstall;groupadd dba;useradd -g oinstall -G dba oracle</p>
<p>passwd oracle</p>
<p>6.修改内核参数</p>
<p>vi /etc/sysctl.conf</p>
<p>添加</p>
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<p>fs.aio-max-nr = 1048576</p>
<p>fs.file-max = 6815744</p>
<p>kernel.shmall = 2097152</p>
<p>kernel.shmmax = 1073741824</p>
<p>kernel.shmmni = 4096</p>
<p>kernel.sem = 250 32000 100 128</p>
<p>net.ipv4.ip_local_port_range = 9000 65500</p>
<p>net.core.rmem_default = 262144</p>
<p>net.core.rmem_max = 4194304</p>
<p>net.core.wmem_default = 262144</p>
<p>net.core.wmem_max = 1048576</p>
<p>保存后执行</p>
<p>sysctl -p</p>
<p>7.修改用户限制文件</p>
<p>vi /etc/security/limits.conf</p>
<p>添加</p>
<p>oracle      soft  nproc      2047</p>
<p>oracle      hard  nproc      16384</p>
<p>oracle      soft  nofile     1024</p>
<p>oracle      hard  nofile     65536</p>
<p>oracle      soft  stack     10240</p>
<p>8.修改登陆验证配置文件</p>
<p>vi /etc/pam.d/login</p>
<p>添加</p>
<p>session required /lib64/security/pam_limits.so</p>
<p>session required pam_limits.so</p>
<p>9.修改 profile</p>
<p>vi /etc/profile</p>
<p>添加</p>
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">if [ $USER = "oracle" ]; then
</span></span><span class="highlight-line"><span class="highlight-cl">if [ $SHELL = "/bin
ksh" ]; then
</span></span><span class="highlight-line"><span class="highlight-cl">    ulimit -p 1638

</span></span><span class="highlight-line"><span class="highlight-cl">    ulimit -n 6553

</span></span><span class="highlight-line"><span class="highlight-cl">else
</span></span><span class="highlight-line"><span class="highlight-cl">    ulimit -u 1638
-n 65536
</span></span><span class="highlight-line"><span class="highlight-cl">fi
</span></span><span class="highlight-line"><span class="highlight-cl">fi
</span></span></code></pre>
<p>保存后执行<br>
source /etc/profile</p>
<p>10.创建安装目录</p>
<p>mkdir -p /home/soft/app/oracle/product/11.2.0</p>
<p>mkdir /home/soft/app/oracle/oradata</p>
<p>mkdir /home/soft/app/oracle/inventory</p>
<p>mkdir /home/soft/app/oracle/fast_recovery_area</p>
<p>chown -R oracle:oinstall /home/soft/app/oracle</p>
<p>chmod -R 775 /home/soft/app/oracle</p>
<p>11.设置 oracle 用户环境变量</p>
<p>su - oracle</p>

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<p>vi .bash_profile</p>
<p>添加</p>
<p>ORACLE_BASE=/home/soft/app/oracle</p>
<p>ORACLE_HOME=$ORACLE_BASE/product/11.2.0</p>
<p>ORACLE_SID=orcl</p>
<p>PATH= <span class="language-math">PATH:</span>ORACLE_HOME/bin</p>
<p>export ORACLE_BASE ORACLE_HOME ORACLE_SID PATH</p>
<p>保存后执行</p>
<p>source .bash_profile</p>
<p>12.解压安装包</p>
<p>su - root</p>
<p>cd /home/soft</p>
<p>unzip linux.x64_11gR2_database_1of2.zip -d /home/soft/oracle/</p>
<p>unzip linux.x64_11gR2_database_2of2.zip -d /home/soft/oracle/</p>
<p>13.编辑安装响应文件</p>
<p>cd /home/soft/oracle/database/response/</p>
<p>cp -a db_install.rsp db_install.rsp.bak</p>
<p>vi db_install.rsp</p>
<p>14.修改相应位置配置</p>
<p>oracle.install.option=INSTALL_DB_SWONLY</p>
<p>ORACLE_HOSTNAME=centos-oracle</p>
<p>UNIX_GROUP_NAME=oinstall</p>
<p>INVENTORY_LOCATION=/home/soft/app/oracle/inventory</p>
<p>SELECTED_LANGUAGES=en,zh_CN</p>
<p>ORACLE_HOME=/home/soft/app/oracle/product/11.2.0</p>
<p>ORACLE_BASE=/home/soft/app/oracle</p>
<p>oracle.install.db.InstallEdition=EE</p>
<p>oracle.install.db.DBA_GROUP=dba</p>
<p>oracle.install.db.OPER_GROUP=dba</p>
<p>DECLINE_SECURITY_UPDATES=true</p>
<p>15.静默安装</p>
<p>su - oracle</p>
<p>cd /home/soft/oracle/database</p>
<p>./runInstaller -silent -ignorePrereq -ignoreSysPrereqs -responseFile /home/soft/oracle/database/response/db_install.rsp</p>
<p>tail -f /home/soft/app/oracle/inventory/logs/installActions2019-07-25_12-04-19PM.log</p>
<p>安装完成, 提示 Successfully Setup Software.</p>
<p>su - root</p>
<p>sh /home/soft/app/oracle/inventory/orainstRoot.sh</p>
<p>sh /home/soft/app/oracle/product/11.2.0/root.sh</p>
<p>16.配置监听</p>
<p>su - oracle</p>
<p>export DISPLAY=localhost:0.0</p>
<p>netca -silent -responseFile /home/soft/oracle/database/response/netca.rsp</p>
<p>netstat -tnulp | grep 1521</p>
<p>17.静默创建数据库</p>
<p>su - root</p>
<p>vi /home/soft/oracle/database/response/dbca.rsp</p>
<p>修改相应位置配置</p>
<p>GDBNAME = "orcl"</p>
<p>SID = "orcl"</p>
<p>SYSPASSWORD = "oracle"</p>
<p>SYSTEMPASSWORD = "oracle"</p>
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<p>SYSMANPASSWORD = "oracle" </p>
<p>DBSNMPPASSWORD = "oracle" </p>
<p>DATAFILEDESTINATION = /home/soft/app/oracle/oradata</p>
<p>RECOVERYAREADESTINATION=/home/soft/app/oracle/fast_recovery_area</p>
<p>CHARACTERSET = "ZHS16GBK" </p>
<p>TOTALMEMORY = "1638" </p>
<p>保存后执行</p>
<p>su - oracle</p>
<p>dbca -silent -sysPassword oracle -systemPassword oracle -responseFile /home/soft/oracl
/database/response/dbca.rsp</p>
<p>18.检查安装情况</p>
<p>lsnrctl status</p>
<p>sqlplus / as sysdba</p>
<p>select * from v$database;</p>
<p>19.手动启动</p>
<p>su - oracle</p>
<p>cd $ORACLE_HOME/bin</p>
<p>./lsnrctl</p>
<p>start</p>
<p>ctrl+c</p>
<p>sqlplus / as sysdba</p>
<p>startup</p>
<p>20.常见错误</p>
<p>oracle ORA-12514:TNS:listener does not currently know of service requested in connect
escriptor</p>
<p>问题原因：数据库实例没注册到 listener</p>
<p>解决方法： </p>
<p>su - oracle</p>
<p>cd $ORACLE_HOME/network/admin</p>
<p>vim listener.ora</p>
<p>在 listener.ora 里面添加了一行</p>
<pre> <code class="highlight-chroma"> <span class="highlight-line"> <span class="highlight
cl">SID_LIST_LISTENER =
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> (SID_LIST =
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> (SID_DESC =
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> (GLOBAL_
BNAME = orcl)
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> (SID_NAM
= orcl)
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> )
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> )
</span> </span> </code> </pre>

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