|  |
| --- |
| Neusoft |
| CentOS & WebLogic & Oracle & Nginx |
| CentOS 6.4 安装 WebLogic 1036 |

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| --- |
| MattDamon  2014/5/10 |

CentOS6.4安装Weblogic 1036

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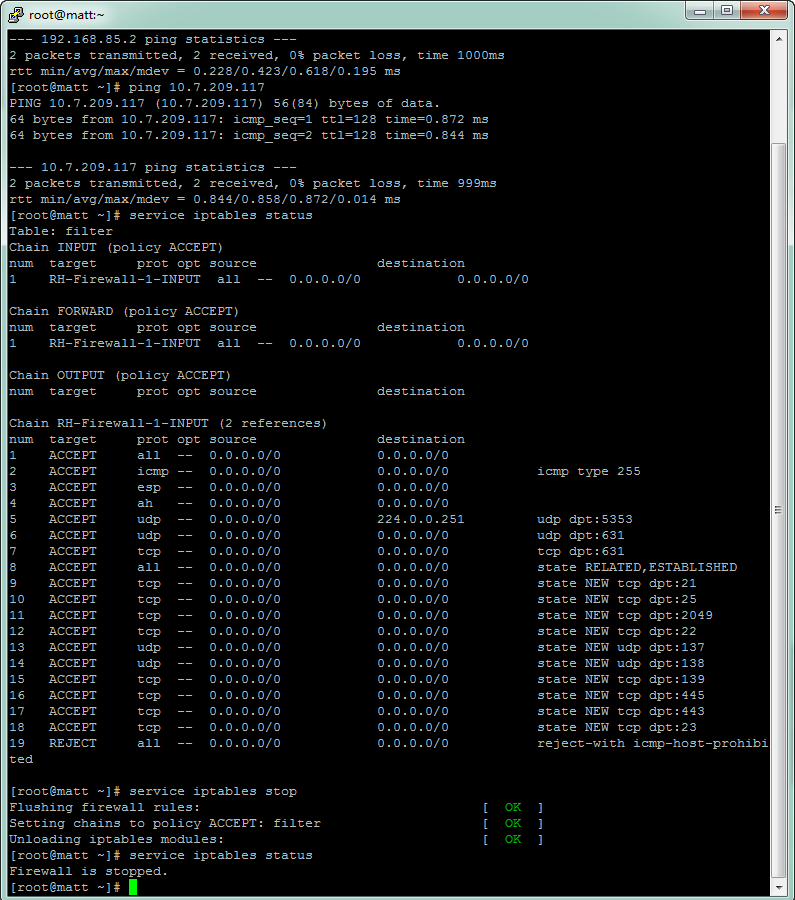
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## 安装前环境检查



检查网络状态 及 关闭防火墙

安装文件上传

利用winSCP 将weblogic\oralce\java jdk等安装程序上传到centOS系统中,

JDK

jdk-6u38-ea-bin-b04-linux-amd64-31\_oct\_2012.bin

WebLogic

wls1036\_generic.jar

Oracle

p10404530\_112030\_Linux-x86-64\_1of7.zip

p10404530\_112030\_Linux-x86-64\_2of7.zip

p10404530\_112030\_Linux-x86-64\_3of7.zip

Oracle依赖库

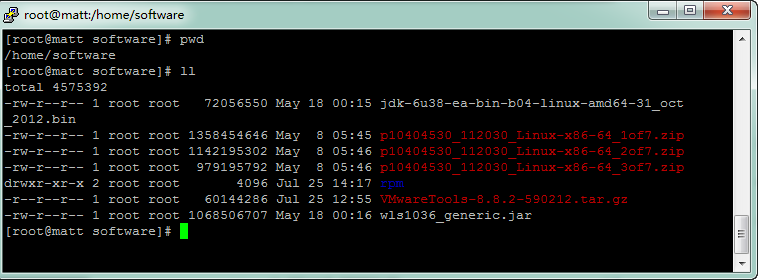
compat-libstdc++-33-3.2.3-61.x86\_64.rpm

elfutils-libelf-devel-0.125-3.el5.x86\_64.rpm

libaio-devel-0.3.106-3.2.x86\_64.rpm

sysstat-7.0.2-1.el5.x86\_64.rpm

文件路径 /home/software



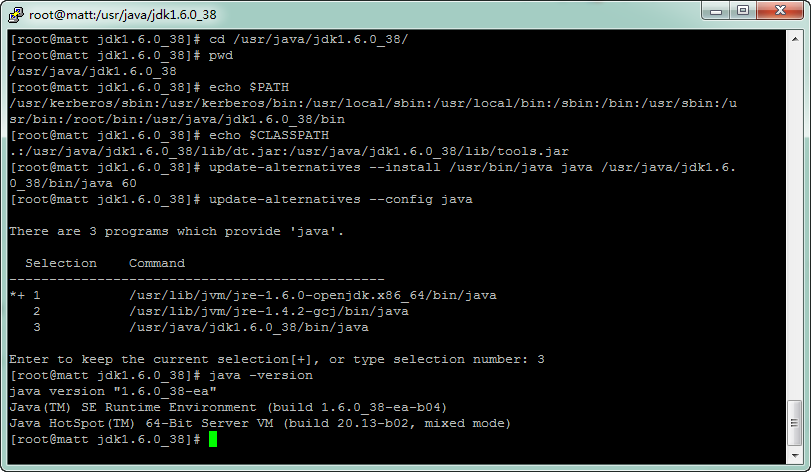
## 安装JAVA JDK

系统中自带的Java 版本为 1.6.0\_24

更新为 1.6.0\_38

|  |
| --- |
| **#建立/usr/java**  **mkdir usr/java**  **cd usr/java**  **#将jdk安装文件拷贝到java目录下，如：**  **cp /home/software/jdk-6u38-ea-bin-b04-linux-amd64-31\_oct\_2012.bin .**  **#给文件添加可执行权限：**  **chmod 755 jdk-6u38-ea-bin-b04-linux-amd64-31\_oct\_2012.bin**  **#解压安装**  **./jdk-6u38-ea-bin-b04-linux-amd64-31\_oct\_2012.bin**  **#按照提示安装完毕后，jdk环境安装到了/usr/java/jdk1.6.0\_38目录下，可用pwd命令查看全路径**  **pwd /usr/java/jdk1.6.0\_38**  **#配置环境变量**  **vi /etc/profile**  **#添加下面内容**  **export JAVA\_HOME=/usr/local/java/jdk1.8.0\_91**  **export JAVA\_BIN=$JAVA\_HOME/bin**  **export CLASSPATH=.:$JAVA\_HOME/lib/dt.jar:$JAVA\_HOME/lib/tools.jar**  **export PATH=$PATH:$JAVA\_BIN**  **export JAVA\_HOME JAVA\_BIN CLASSPATH**  **#更新环境变量**  **source /etc/profile** |

安装java并更新java



## 安装Weblogic

1 创建Weblogic服务管理的系统用户

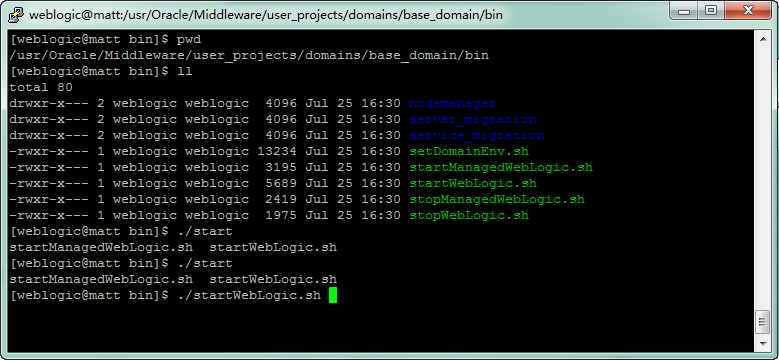
|  |
| --- |
| **#创建weblogic用户组。  [root@admin /]# groupadd weblogic [root@admin /]# useradd -g weblogic -d /home/weblogic -M weblogic [root@admin /]# passwd weblogic**  **#修改weblogic密码**  **#创建/usr/local/weblogic/目录  [root@admin /]# mkdir -p /home/weblogic/**  **#修改目录所有者权限  [root@admin /]# chown -Rf weblogic:weblogic /home/weblogic/**  **#切换weblogic 用户**  **su weblogic**  **安装**  **使用如下命令安装**  **# java -jar wls1036\_generic.jar**  **安装过程全记录如下，说明：**  **中文为注释；**  **一般输入Next的部分，直接回车即可；**  **删除了部分空行；**  **# java -jar wls1036\_generic.jar**  **Unable to instantiate GUI, defaulting to console mode.**  **Extracting 0%....................................................................................................100%**  **<-------------------- Oracle Installer - WebLogic 10.3.6.0 ------------------->**  **Welcome:**  **--------**  **This installer will guide you through the installation of WebLogic 10.3.6.0.**  **Type "Next" or enter to proceed to the next prompt. If you want to change data entered previously, type "Previous". You may quit the installer at any time by typing "Exit".**  **Enter [Exit][Next]> Next**  **<-------------------- Oracle Installer - WebLogic 10.3.6.0 ------------------->**  **Choose Middleware Home Directory:**  **---------------------------------**  **"Middleware Home" = [Enter new value or use default**  **"/root/Oracle/Middleware"]**  **Enter new Middleware Home OR [Exit][Previous][Next]> Next**  **<-------------------- Oracle Installer - WebLogic 10.3.6.0 ------------------->**  **Register for Security Updates:**  **------------------------------**  **Provide your email address for security updates and to initiate configuration manager.**  **1|Email:[]**  **2|Support Password:[]**  **3|Receive Security Update:[Yes]**  **Enter index number to select OR [Exit][Previous][Next]> 3 #修改设置，不接收安全升级通知**  **<-------------------- Oracle Installer - WebLogic 10.3.6.0 ------------------->**  **Register for Security Updates:**  **------------------------------**  **Provide your email address for security updates and to initiate configuration manager.**  **"Receive Security Update:" = [Enter new value or use default "Yes"]**  **Enter [Yes][No]? No**  **<-------------------- Oracle Installer - WebLogic 10.3.6.0 ------------------->**  **Register for Security Updates:**  **------------------------------**  **Provide your email address for security updates and to initiate configuration manager.**  **"Receive Security Update:" = [Enter new value or use default "Yes"]**  **\*\* Do you wish to bypass initiation of the configuration manager and**  **\*\* remain uninformed of critical security issues in your configuration?**  **Enter [Yes][No]? Yes**  **<-------------------- Oracle Installer - WebLogic 10.3.6.0 ------------------->**  **Register for Security Updates:**  **------------------------------**  **Provide your email address for security updates and to initiate configuration manager.**  **1|Email:[]**  **2|Support Password:[]**  **3|Receive Security Update:[No]**  **Enter index number to select OR [Exit][Previous][Next]>**  **<-------------------- Oracle Installer - WebLogic 10.3.6.0 ------------------->**  **Register for Security Updates:**  **------------------------------**  **Provide your email address for security updates and to initiate configuration manager.**  **1|Email:[]**  **2|Support Password:[]**  **3|Receive Security Update:[No]**  **Enter index number to select OR [Exit][Previous][Next]> Next**  **<-------------------- Oracle Installer - WebLogic 10.3.6.0 ------------------->**  **Choose Install Type:**  **--------------------**  **Select the type of installation you wish to perform.**  **->1|Typical**  **| Install the following product(s) and component(s):**  **| - WebLogic Server**  **| - Oracle Coherence**  **2|Custom**  **| Choose software products and components to install and perform optional**  **|configuration.**  **Enter index number to select OR [Exit][Previous][Next]> Next #默认典型安装**  **<-------------------- Oracle Installer - WebLogic 10.3.6.0 ------------------->**  **JDK Selection (Any \* indicates Oracle Supplied VM):**  **---------------------------------------------------**  **JDK(s) chosen will be installed. Defaults will be used in script string-substitution if installed.**  **1|Add Local Jdk**  **2|/tpdata/java/jdk1.6.0\_38[x]**  **\*Estimated size of installation: 690.2 MB**  **Enter 1 to add or >= 2 to toggle selection OR [Exit][Previous][Next]> Next #使用上一步安装的JDK**  **<-------------------- Oracle Installer - WebLogic 10.3.6.0 ------------------->**  **Choose Product Installation Directories:**  **----------------------------------------**  **Middleware Home Directory: [/root/Oracle/Middleware]**  **Product Installation Directories:**  **1|WebLogic Server: [/root/Oracle/Middleware/wlserver\_10.3]**  **2|Oracle Coherence: [/root/Oracle/Middleware/coherence\_3.7]**  **Enter index number to select OR [Exit][Previous][Next]>**  **<-------------------- Oracle Installer - WebLogic 10.3.6.0 ------------------->**  **The following Products and JDKs will be installed:**  **--------------------------------------------------**  **WebLogic Platform 10.3.6.0**  **|\_\_\_\_\_WebLogic Server**  **| |\_\_\_\_\_Core Application Server**  **| |\_\_\_\_\_Administration Console**  **| |\_\_\_\_\_Configuration Wizard and Upgrade Framework**  **| |\_\_\_\_\_Web 2.0 HTTP Pub-Sub Server**  **| |\_\_\_\_\_WebLogic SCA**  **| |\_\_\_\_\_WebLogic JDBC Drivers**  **| |\_\_\_\_\_Third Party JDBC Drivers**  **| |\_\_\_\_\_WebLogic Server Clients**  **| |\_\_\_\_\_WebLogic Web Server Plugins**  **| |\_\_\_\_\_UDDI and Xquery Support**  **| |\_\_\_\_\_Evaluation Database**  **|\_\_\_\_\_Oracle Coherence**  **|\_\_\_\_\_Coherence Product Files**  **\*Estimated size of installation: 690.3 MB**  **Enter [Exit][Previous][Next]>**  **May 22, 2013 8:01:02 AM java.util.prefs.FileSystemPreferences$2 run**  **INFO: Created user preferences directory.**  **<-------------------- Oracle Installer - WebLogic 10.3.6.0 ------------------->**  **Installing files..**  **0% 25% 50% 75% 100%**  **[------------|------------|------------|------------]**  **[\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*]**  **Performing String Substitutions...**  **<-------------------- Oracle Installer - WebLogic 10.3.6.0 ------------------->**  **Configuring OCM...**  **0% 25% 50% 75% 100%**  **[------------|------------|------------|------------]**  **[\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*]**  **Creating Domains...**  **<-------------------- Oracle Installer - WebLogic 10.3.6.0 ------------------->**  **Installation Complete**  **Congratulations! Installation is complete.**  **Press [Enter] to continue or type [Exit]> # 显示安装成功，回车退出。**  **<-------------------- Oracle Installer - WebLogic 10.3.6.0 ------------------->**  **Clean up process in progress ...**  **新建Domain**  **启动Configuration Wizard，wizard位置在指定安装目录下的如下位置：**  **/root/Oracle/Middleware/wlserver\_10.3/common/bin**  **进入目录，运行shell脚本config.sh，也可以带参数直接选择命令行方式./config.sh -mode=console**  **中文均为注释**  **[root@localhost bin]# ./config.sh**  **Unable to instantiate GUI, defaulting to console mode.**  **# 创建新的Domain**  **<------------------- Fusion Middleware Configuration Wizard ------------------>**  **Welcome:**  **--------**  **Choose between creating and extending a domain. Based on your selection,**  **the Configuration Wizard guides you through the steps to generate a new or**  **extend an existing domain.**  **->1|Create a new WebLogic domain**  **| Create a WebLogic domain in your projects directory.**  **2|Extend an existing WebLogic domain**  **| Use this option to add new components to an existing domain and modify |configuration settings.**  **Enter index number to select OR [Exit][Next]>**  **# Select Domain Source选择默认**  **<------------------- Fusion Middleware Configuration Wizard ------------------>**  **Select Domain Source:**  **---------------------**  **Select the source from which the domain will be created. You can create the**  **domain by selecting from the required components or by selecting from a**  **list of existing domain templates.**  **->1|Choose Weblogic Platform components**  **| You can choose the Weblogic component(s) that you want supported in**  **|your domain.**  **2|Choose custom template**  **| Choose this option if you want to use an existing template. This**  **|could be a custom created template using the Template Builder.**  **Enter index number to select OR [Exit][Previous][Next]>**  **# Application Template Selection选择默认**  **<------------------- Fusion Middleware Configuration Wizard ------------------>**  **Application Template Selection:**  **-------------------------------**  **Available Templates**  **|\_\_\_\_\_Basic WebLogic Server Domain - 10.3.6.0 [wlserver\_10.3]x**  **|\_\_\_\_\_Basic WebLogic SIP Server Domain - 10.3.6.0 [wlserver\_10.3] [2]**  **|\_\_\_\_\_WebLogic Advanced Web Services for JAX-RPC Extension - 10.3.6.0 [wlserver\_10.3] [3]**  **|\_\_\_\_\_WebLogic Advanced Web Services for JAX-WS Extension - 10.3.6.0 [wlserver\_10.3] [4]**  **Enter number exactly as it appears in brackets to toggle selection OR [Exit][Previous][Next]>**  **# Domain名称选择默认**  **<------------------- Fusion Middleware Configuration Wizard ------------------>**  **Edit Domain Information:**  **------------------------**  **| Name | Value |**  **\_|\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_|**  **1| \*Name: | base\_domain |**  **Enter value for "Name" OR [Exit][Previous][Next]>**  **# 目标domain的目录，选择默认**  **<------------------- Fusion Middleware Configuration Wizard ------------------>**  **Select the target domain directory for this domain:**  **---------------------------------------------------**  **"Target Location" = [Enter new value or use default**  **"/root/Oracle/Middleware/user\_projects/domains"]**  **Enter new Target Location OR [Exit][Previous][Next]>**  **# 按照提示设置管理员用户名和密码，这里用户名保持了默认，请按照实际设置需要的密码（红色部分）**  **<------------------- Fusion Middleware Configuration Wizard ------------------>**  **Configure Administrator User Name and Password:**  **-----------------------------------------------**  **Create a user to be assigned to the Administrator role. This user is the**  **default administrator used to start development mode servers.**  **| Name | Value |**  **\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|**  **1| \*Name: | weblogic |**  **2| \*User password: | |**  **3| \*Confirm user password: | |**  **4| Description: | This user is the default administrator. |**  **Use above value or select another option:**  **1 - Modify "Name"**  **2 - Modify "User password"**  **3 - Modify "Confirm user password"**  **4 - Modify "Description"**  **Enter option number to select OR [Exit][Previous][Next]> 2**  **<------------------- Fusion Middleware Configuration Wizard ------------------>**  **Configure Administrator User Name and Password:**  **-----------------------------------------------**  **Create a user to be assigned to the Administrator role. This user is the**  **default administrator used to start development mode servers.**  **"\*User password:" = []**  **Enter new \*User password: OR [Exit][Reset][Accept]> 12345678**  **<------------------- Fusion Middleware Configuration Wizard ------------------>**  **Configure Administrator User Name and Password:**  **-----------------------------------------------**  **Create a user to be assigned to the Administrator role. This user is the**  **default administrator used to start development mode servers.**  **| Name | Value |**  **\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|**  **1| \*Name: | weblogic |**  **2| \*User password: | \*\*\*\*\*\*\*\*\*\*\* |**  **3| \*Confirm user password: | |**  **4| Description: | This user is the default administrator. |**  **Use above value or select another option:**  **1 - Modify "Name"**  **2 - Modify "User password"**  **3 - Modify "Confirm user password"**  **4 - Modify "Description"**  **5 - Discard Changes**  **Enter option number to select OR [Exit][Previous][Next]> 3**  **<------------------- Fusion Middleware Configuration Wizard ------------------>**  **Configure Administrator User Name and Password:**  **-----------------------------------------------**  **Create a user to be assigned to the Administrator role. This user is the**  **default administrator used to start development mode servers.**  **"\*Confirm user password:" = []**  **Enter new \*Confirm user password: OR [Exit][Reset][Accept]> 12345678**  **#设置完成，下一步**  **<------------------- Fusion Middleware Configuration Wizard ------------------>**  **Configure Administrator User Name and Password:**  **-----------------------------------------------**  **Create a user to be assigned to the Administrator role. This user is the**  **default administrator used to start development mode servers.**  **| Name | Value |**  **\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_|**  **1| \*Name: | weblogic |**  **2| \*User password: | \*\*\*\*\*\*\*\*\*\*\* |**  **3| \*Confirm user password: | \*\*\*\*\*\*\*\*\*\*\* |**  **4| Description: | This user is the default administrator. |**  **Use above value or select another option:**  **1 - Modify "Name"**  **2 - Modify "User password"**  **3 - Modify "Confirm user password"**  **4 - Modify "Description"**  **5 - Discard Changes**  **Enter option number to select OR [Exit][Previous][Next]>**  **#开发时选择1 Development Mode， 实际生产环境需要选择 2|Production Mode**  **<------------------- Fusion Middleware Configuration Wizard ------------------>**  **Domain Mode Configuration:**  **--------------------------**  **Enable Development or Production Mode for this domain.**  **->1|Development Mode**  **2|Production Mode**  **Enter index number to select OR [Exit][Previous][Next]>2**  **#选择安装的JDK，默认**  **<------------------- Fusion Middleware Configuration Wizard ------------------>**  **Java SDK Selection:**  **-------------------**  **->1|Sun SDK 1.6.0\_38-ea @ /tpdata/java/jdk1.6.0\_38**  **2|Other Java SDK**  **Enter index number to select OR [Exit][Previous][Next]>**  **#其他可选项，此处没有选择，直接回车**  **<------------------- Fusion Middleware Configuration Wizard ------------------>**  **Select Optional Configuration:**  **------------------------------**  **1|Administration Server [X]**  **2|Managed Servers, Clusters and Machines [ ]**  **#备注： 这里要选择一下administration server 为后面weblogic配置集群做准备**  **3|RDBMS Security Store [ ]**  **Enter index number to select OR [Exit][Previous][Next]>**  **#开始创建Domain**  **<------------------- Fusion Middleware Configuration Wizard ------------------>**  **Creating Domain...**  **0% 25% 50% 75% 100%**  **[------------|------------|------------|------------]**  **[\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*]**  **\*\*\*\* Domain Created Successfully! \*\*\*\***  **#创建完成，自动回到控制台** |

注: weblogic提供两种启动模式（开发模式、生产模式）。这里会涉及到一些细节。

如果是开发模式，启动domain是不需要输入管理账号、密码的，并且轮训部署的应用程序，如果有文件更新，会自动更新（传说中的热部署）。

如果是生产模式，启动domain必须输入管理账号、密码。为了提高性能，不会对应用程序进行轮训，而且建议使用原先bea自带的jrockit jdk作为运行的jdk（不过自从被oracle收购之后，安装目录下未提供jrockit jdk了（需要自行下载）。

## 控制台方式启动



注意： 在启动时配置用户密码：

在 domains/XXX\_domain/servers/AdminServer/下创建security文件夹

并创建文件boot.properties，添加下面内容

|  |
| --- |
| **username=weblogic**  **password=Sa123456** |

## 后台服务方式启动

编辑 startWeblogic.sh文件，加入下面的内容

注意： 加入的位置

|  |
| --- |
| **WLS\_USER="weblogic" #用户名**  **WLS\_PW="12345678" #密码**  **export WLS\_USER WLS\_PW #这一行不是必要的** |

启动命令

nohup ./startWeblogic.sh &

控制台方式查看启动日志

tail -f nohup.out

停止服务

#第一种方式：运行weblogic脚本停止

.stopWeblogic.sh

#第二种方式：强制杀死进程

#查看weblogic的pid

ps -ef|grep weblogic

#杀掉进程

kill -9 【pid】

运行确认

在客户端上打开浏览器，输入<http://ip:7001/console>，可以打开weblogic管理控制台。

如果访问不了，可能是防火墙启动，停止服务器上的防火墙

# service iptables stop

查看iptables的运行状态

# service iptables status

Firewall is stopped.

启动页面如下图：



## Windows 下安装weblogic

安装步骤

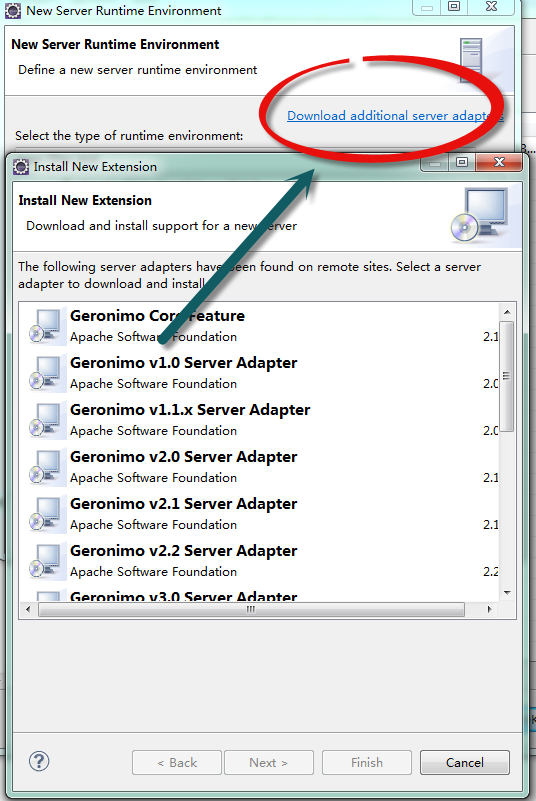
安装步骤基本与linux基本相同

安装前准备：

安装jdk 并配置环境变量

创建boot.properties

可以在eclipse配置集成Weblogic， 在eclipse中选项中找到server runtime选项



在dialog中选择 Oracle weblogic 下载安装

常见问题

1在eclipse中启动weblogic时，控制台乱码

修改 setDomanEnv.cmd

set JAVA\_OPTIONS=%JAVA\_OPTIONS% -Dfile.encoding=utf-8