oracle安装手册

具体操作:

安装oracle数据库所需要的软件包

yum install -y gcc* gcc-* gcc-c++-* glibc-devel-* glibc-headers-* compat-libstdc* libstdc* elfutils-libelf-devel* libaio-devel* sysstat* unixODBC-* pdksh-*

一、在Linux服务器操上安装图形界面X Window (本地安装已有桌面的可忽略)

1、在Linux上安装图形界面服务端程序X Window

yum groupinstall "X Window System" #安装X Window

2、vi /etc/gdm/custom.conf #配置,修改添加以下代码

[security] AllowRemoteRoot=true [xdmcp] Port=177 Enable=1

[security] AllowRoot=true AllowRemoteRoot=true [xdmcp] Port=177 Enable=1 :wq! #保存退出 3、vi /etc/inittab #编辑 Default runlevel. The runlevels u 0 - halt (Do NOT set initdefaul 1 - Single user mode 2 - Multiuser, without NFS (The 3 - Full multiuser mode # # 4 - unused # 5 - X11 6 - reboot (Do NOT set initdefa # id:5:initdefault:

id:5:initdefault: #修改3为5 id:5:respawn:/usr/sbin/gdm #新加

说明:这里作用是让系统启动内默认用户界面还是命令行界面,3为命令界面,5为图形界面。

4、vi /etc/sysconfig/iptables #编辑, 添加以下代码, 开启防火墙UDP 177端口 /sbin/iptables -I INPUT -p tcp --dport 177 -j ACCEPT /sbin/iptables -I INPUT -p udp --dport 177 -j ACCEPT /etc/rc.d/init.d/iptables save service iptables restart #重启 shutdown -r now #重启系统

二、在Windows客户端系统上安装Xmanager

1、下载安装Xmanager Enterprise

本地测试机192.168.0.100 F:\www盘内有相关包XmanagerV5.0Build6280.rar

2、下载安装软件之后,打开Xmanager Enterprise

3, 再打开Xbrowser, 如下图所示:

新建一个会话:



确定后双击图标连接:输入用户名,再输入密码,点Ok,会出现上面界面



三、在Linux服务器操作系统上准备Oracle数据库安装前的工作

1、在Linux服务器上使用root用户创建oracle数据库的系统用户和用户组: mkdir -p/data/oracle #oracle数据库安装目录

mkdir -p /data/oraInventory #oracle数据库配置文件目录 mkdir -p /data/database #oracle数据库软件包解压目录

groupadd oinstall #创建用户组oinstall groupadd dba #创建用户组dba useradd -g oinstall -g dba -m oracle #创建用户oracle,并加入oinstall和dba用户组 passwd oracle #设置用户oracle的登录密码,根据提示输入两次密码 chown -R oracle:oinstall /data/ #设置目录所有者为oinstall用户组的oracle用户

2、下载Oracle 11g R2 Linux版本 (oracle用户) 本世机器192.168.0.18 F:\www内有相关包:

jre-windows-i588. exe
 linux. x64_11gR2_database_1of2. zip
 linux. x64_11gR2_database_2of2. zip
 mosfas-Viruscen rer

cd /data/database wget <u>http://192.168.0.18/linux.x64_11gR2_database_1of2.zip</u> wget <u>http://192.168.0.18/linux.x64_11gR2_database_2of2.zip</u> unzip linux_11gR2_database_1of2.zip #解压 unzip linux_11gR2_database_2of2.zip #解压 注意: Oracle 11g R2 Linux版本有两个压缩文件包,都需要下载这里以本地为例,远程请将文件上传到服务器中。

3、修改操作系统标识 (oracle默认不支持CentOS系统安装)

vi /etc/redhat-release #編輯 把: CentOS release 6.6 (Final) #其他版本修改方法也一样,后面还要修改回来。 修改为: redhat-4 #保存退出 4. 设置系统内核条约

4、设置系统内核参数 vi /etc/sysctl.conf #编辑,在最后添加以下代码 net.ipv4.icmp_echo_ignore_broadcasts = 1 net.ipv4.conf.all.rp_filter = 1 fs.file-max = 6815744 #设置最大打开文件数 fs.aio-max-nr = 1048576 kernel.shmall = 2097152 #共享内存的总量, 8G内存设置: 2097152*4k/1024/1024 kernel.shmmax = 2147483648 #最大共享内存的段大小 kernel.shmmni = 4096 #整个系统共享内存端的最大数 kernel.sem = 250 32000 100 128 net.ipv4.ip_local_port_range = 9000 65500 #可使用的IPv4端口范围 net.core.rmem_default = 262144 net.core.rmem_max= 4194304 net.core.wmem_default= 262144 net.core.wmem_max= 1048576 :wq! #保存退出 sysctl -p #使配置立即生效 5、设置oracle用户限制,提高软件运行性能 vi /etc/security/limits.conf #在末尾添加以下代码 oracle soft nproc 2047 oracle hard nproc 16384 oracle soft nofile 1024 oracle hard nofile 65536

:wq! #保存退出

End of file

oracle soft nproc 2047 oracle hard nproc 16384 oracle soft nofile 1024 oracle hard nofile 6553<mark>6</mark>

6、配置用户环境

su - oracle

cd

vi .bash_profile #在最后参加以下代码 export ORACLE_BASE=/data/oracle #oracle数据库安装目录 export ORACLE_HOME=\$ORACLE_BASE/product/11.2.0/db_1 #oracle数据库路径 export ORACLE_SID=orcl #oracle启动数据库实例名 export ORACLE_SID=orcl #oracle启动数据库实例名 export ORACLE_TERM=xterm #xterm窗口模式安装 export PATH=\$ORACLE_HOME/bin:/usr/sbin:\$PATH #添加系统环境变量 export LD_LIBRARY_PATH=\$ORACLE_HOME/lib:/lib:/usr/lib #添加系统环境变量 export LANG=C #防止安装过程出现周码 export NLS_LANG=AMERICAN_AMERICAZHS16GBK #设置Oracle客户端字符集,必须与Oracle安装时设置的字符集保持一致,如: ZHS16GBK,否则出现数据导入导出中文乱码问题

export PATH

export ORACLE_BASE=/data/oracle export ORACLE_HOME=\$ORACLE_BASE/product/11.2.0/db_1 export ORACLE_SID=orcl export ORACLE_TERM=xterm export ORACLE_TERM=xterm export PATH=\$ORACLE_HOME/bin:/usr/sbin:\$PATH export LD_LIBRARY_PATH=\$ORACLE_HOME/lib:/lib:/usr/lib export LANG=C export NLS_LANG=AMERICAN_AMERICA.ZHS16GBK -- INSERT --

:wq! #保存退出 source .bash_profile #使设置立刻生效 7、关闭SELINX vi /etc/selinux/config #编輯配置文件 #SELINUX=enforcing #注释掉 #SELINUXTYPE=targeted #注释掉 SELINUX=disabled #增加

permissive - SELinux pr # disabled - No SELinux pr #SELINUX=enforcing # SELINUXTYPE= can take one of # targeted - Targeted prod # mls - Multi Level Securi #SELINUXTYPE=targeted SELINUX=disabled

:wq! #保存退出

8、配置防火墙开启1521端口

vi /etc/sysconfig/iptables #编辑防火墙配置文件,添加以下内容

/sbin/iptables -I INPUT -p tcp --dport 1521 -j ACCEPT

/etc/rc.d/init.d/iptables save

service iptables restart #重启防火墙使配置生效

四、安装oracle

1、在Windows客户端运行Xmanager,登录到Linux服务器的Xwindow界面,如下图所示:



```
耐心等待一会,出现下面的界面
```





Select Installation Option	
Configure Security Updates	Select any of the following install options.
Installation Option	○ <u>C</u> reate and configure a database
Grid Options	Install database software only
Product Languages	O Ungrade an existing database
A Database Edition	
Installation Location	
O Prerequisite Checks	
ý Summary	
Install Product	
- Finish	
Help	< <u>B</u> ack <u>N</u> ext > Einish Cancel
边往来——坝,汉女表现店4年以14->	Next
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Oracle Databa	se 11g Release 2 Installer - Installing database - Step 3 of 11 ×
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选择第一项,单实例数据库安装->Next

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lian Portuguese trian dian French an tian h sh sh sh tian sh (United Kingdom) tian sh ch tan sh ch tan k ew garian ndic nesian
Seck Next > Finish Cancel g Release 2 Installer - Installing database - Step 5 of 11 × CRACLE 118 DATABASE 118 hich database edition do you want to install?
Enterprise Edition (4.29GB) Oracle Database 11g Enterprise Edition is a self-managing database that has the scalability, performance, high availability, and security features required to run the most demanding, mission-critical applications. Standard Edition (4.22GB) Oracle Database 11g Standard Edition is ideal for work groups, departments, and small to medium-sized businesses looking for lower-cost solutions. Standard Edition One (4.22GB) Oracle Database 11g Standard Edition One is ideal for work groups, departments, and small to medium-sized businesses looking for lower-cost solutions.
Select Options

选择第一项:企业版->Next

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Help	< <u>Back</u> <u>Next</u> <u>Einish</u> Cancel
Dracle数据库基目录:/data/oracle Dracle软件安装位置:/data/oracle 点击Next	/product/11.2.0/db_1
Oracle Databas	se 11g Release 2 Installer - Installing database - Step 7 of 11 _ $_$ \Box ×



Oracle配置文件目录:/data/oraInventory

Oracle Databa	se 11g Release 2 Installer - Installing database - Step 8 of 12 $_$ $_$ \square \times
Privileged Operating Syste	m Groups ORACLE 118
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Help	<u>Back</u> <u>Mext</u> <u>Finish</u> Cancel

Oracle数据库运行组,默认即可(oracle或dba)

Next



进行安装前系统环境监测。

注意:根据网上教程如果有某一项未监测通过,则根据提示做相应修改,直到监测全部通过为止,否则不能进行下一步安装。但实际操作中之前因为 上面已安装相关依赖包,所以我们这里可以点击忽略所有,如上图。

点击"next" Oracle Database 11g Release 2 Installer - Installing database - Step 10 of 12 **n** x ORACLE 118 Summary Configure Security Updates ⊡…Oracle Database 11g Release 2 Installer A Installation Option Global settings ----Disk space: required 4.29 GB available 37.79 GB ----Source location: /data/database/database/install/../stage/products.xml Product Languages ---Install method: Typical installation ---Database edition: Enterprise Edition (Install database software only) --Oracle base: /data/oracle ---Software location: /data/oracle/product/11.2.0/db_1 Create Inventory -----OSDBA group: oracle **Operating System Groups** inventory information Prerequisite Checks -Inventory location: /data/oralnventory Summary ---orainventory group: oracle Save Response File... <u>F</u>inish Cancel Help < <u>B</u>ack 点击"finish"完成,出现下面界面: Oracle Database 11g Release 2 Installer - Installing database - Step 11 of 12 n × ORACLE g Install Product DATABASE -Progress 34% Extracting files to '/data/oracle/product/11.2.0/db_1'. Product Languages A Database Edition Status Installation Location 🔶 Oracle Database installation In Proaress 🛷 🔹 🔹 Prepare Succeeded Create Inventory Copy files In Progress цò Operating System Groups Link binaries Pending Setup files Pending Execute Root Scripts for Oracle Database installation Pending Summary Install Product <u>D</u>etails ORACLE Integrating Spatial, DATABASE XML, Information and SecureFiles Management Cancel <u>H</u>elp

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出现以上界面点"OK"



直到安装完成,点Close,完成安装。

五、配置监听程序(创建数据库之前必须要先配置)

继续在Windows客户端运行Xmanager,登录到Linux服务器的X window界面

切换到oracle用户

cd /data/oracle/product/11.2.0/db_1/bin

./netca #配置监听程序命令、出现下面界面

🐝 Applications Places System 🍓 🖟 🗾	
Computer oracle@localhost:/data/oracle/product/11.2.	0/db_1/bin
Oracle Net Configuration Assistant: Welcome	×
tit View or unzi urce pa ch file dlocalh dlocalh glocalh glocalh glocalh glocalh glocalh glocalh glocalh glocalh glocalh glocalh	do:
g swap g monit Pas na to launch Orl	
ng to launch Or	

M. Please wait 选择第一项:监听程序配置->Next

Oracle Net Configuration	n Assistant: Listener Configuration, Listener $$ $ imes$
	For remote connections to be made to your Oracle database, you must configure a Oracle Net listener. The Oracle Net Configuration Assistant allows you to add, reconfigure, rename or delete a listener.
	Select what you want to do:
	@ Add
	C Reconfigure
	C Delete
	CRename
Cancel Help	
选择第一项 : add ->Next	
Oracle Net Configuration A	Assistant: Listener Configuration, Listener Nar $ imes$
	For remote connections to be made to your Oracle database you must have at least one Oracle Net listener. Enter the name of the listener you want to create:
	Listener name: LISTENER
Cancel Help	G Back Next >>

监听程序名,默认即可->Next->协议配置,默认TCP即可->Next





Oracl	e Net Configuration Assistant: Welcome ×
	Welcome to the Oracle Net Configuration Assistant. This tool will take you through the common configuration steps, listed below. Choose the configuration you would like to do: © Listener configuration © Naming Methods configuration © Local Net Service Name configuration © Directory Usage Configuration
Cancel Help	Sext Next S Finish

Finish完成

六、创建Oracle数据库实例orcl

继续在Windows客户端运行Xmanager,登录到Linux服务器的X window界面切换到oracle用户

cd /data/oracle/product/11.2.0/db_1/bin

./dbca #启动oracle实例安装界面,如下图所示

1	Database Configuration Assistant : Welcome _ \Box ×
	Welcome to Database Configuration Assistant for Oracle database. The Database Configuration Assistant enables you to create a database, configure database options in an existing database, delete a database, and manage database templates.
Cancel Help) (< Back Next >)

Next->选择第一项

Databas	e Config	uration Assistant, Step 1 of 12 : Operations	×
	Select the © Creation © Dela © Mar 1 AS Ma	operation that you want to perform: ate a Database figure Database Options ete a Database mage Templates M configuration operations must be performed using Automa anagement Configuration Assistant (ASMCA) from Oracle Grid	tic Storage Infrastructure home.
Cancel Help		S Back Nex	<u>t)</u>
」使星致/店车->Next->黙ル人近年年	一项:一般 figuration Templates new datab only when	研感以事务处理风口下图): on Assistant, Step 2 of 12 : Database Template: : that include datafiles contain pre-created databases. They a lase in minutes, as opposed to an hour or more. Use template necessary, such as when you need to change attributes like b observed of an advance creation	s _ C X
	Cannot be	altered alter database creation.	
	Select	Template	Includes Datafiles
		Custom Database	No
			Yes
Hardenskansen Hardenskansen Hardenskansen Hardenskansen Hardenskansen Hardenskansen Hardenskansen Hardenskansen Hardenskansen Hardenskansen			
			Show Details
Cancel Help		G Back Next	»)

Next-》全局数据库名:orcl-》SID:orcl

	Global Database Name: To	orcl		
	A database is referenced to any other instance on this of	iy at least one Oracle ins computer by an Oracle S	stance which is unit System Identifier (SI	quely identified from ID).
	SID:	orcl		
Cancel Help Database Con	figuration Assistant,	Step 4 of 12 : Man	Back N agement Optic	ext »)
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默认即可, Next(如上图)

		Commin Lassword
SVS		
SYSTEM		
DBSNMP		
SYSMAN		
	I	
Confirm Password:	*****	
	SYSTEM DBSNMP SYSMAN © Use the Same Adm Password: Confirm Password:	SYSTEM DBSNMP SYSMAN © Use the Same Administrative Password for All , Password: ****** Confirm Password: *****

口令配置,可以为每个账户设置不同的口令,也可以为所有账户设置一个相同的口令

选择第二项:所有账户使用同一管理口令-》Next

如果口令设置的太简单,不满足Oracle口令的复杂性要求,会弹出上面的界面,可以选择是,或者选择否,然后返回口令设置,重新设置一个复杂的口令。

Database Conf	iguration Assistant, Ste	ep 6 of 12 : Database File Locations	_ = ×
	Specify storage type and loca	ations for database files.	
	Storage Type:	File System +	
	Storage Locations:		
	Use Database File Location	ons from Template	
	O Use Common Location fo	r All Database Files	
Napatetta and Anno 1990 Napatetta and Anno 1990 Napatetta and Anno 1990	Database Files Location:		Browse
1 May 20 Million fam.	O Use Oracle-Managed File	25	
Multice Malantian Multice Malantian	Database Area:		Browse
Ny RESA Ny RESA Ny RESA	Multiplex Redo Logs an	d Control Files)	
Nggaragalansan Nggaragalansan Nggaragalansan Nggaragalansan	If you want to specify options except Oracle each file location. If yo the names for databa	different locations for any database files, pick any o Managed Files and use the Storage page later to co ou use Oracle-Managed Files, Oracle automatically g use files, which can not be changed on the Storage pa	f the above ustomize enerates age.
		File Location V	Variables)
Cancel Help		<u>G</u> Back <u>N</u> ext >	Einish
存储类型:文件系统			

存储位置:使用模版中的数据库文件位置 Next

 Chose the recovery options for the database: ✓ Specify Flash Recovery Area This is used as the default for all disk based backup using Enterprise Manager. Or data protection and performance. Mash Recovery Area Size: Mash Recovery Ar	Database Confi	guration Assistant, Step 7 o	f 12 : Recovery Configuration 🛛 💶 🗙
Edit Archive Mode Parameters	Database Confi	guration Assistant, Step 7 o Choose the recovery options for the o Specify Flash Recovery Area This is used as the default for all also required for automatic disk l recommends that the database fi disks for data protection and per Flash Recovery Area Flash Recovery Area Size:	f 12 : Recovery Configuration _ C × database: disk based backup and recovery operations, and is based backup using Enterprise Manager. Oracle iles and recovery files be located on physically different formance. (ORACLE_BASE)/flash_recovery. Browse) 3882
File Location Variables) Cancel Help Gancel Help	Cancel Help	Enable Archiving	Edit Archive Mode Parameters) File Location Variables) G Back Next > Einish

默认选择:指定快速恢复区

Next

快速恢复区大小设置,如果系统剩余空间小于设置值会出现上面的提示一个窗口,如果空间够用一般不会提示。 Next

Database Co	onfiguration Assistant, Step 8 of 12 : Database Content $_$ \Box \times
	Sample Schemas Custom Scripts Sample Schemas illustrate the use of a layered approach to complexity, and are used by some demonstration programs. Installing this will give you the following schemas in your database: Human Resources, Order Entry, Online Catalog, Product Media, Information Exchange, Sales History. It will also create a tablespace called EXAMPLE. The tablespace will be about 130 MB. Specify whether or not to add the Sample Schemas to your database. Sample Schemas
Cancel Help	<u> </u>



		izing Chara	acter Sets Connection Mode	
	Typical			
	Memory Size (SGA and	PGA): 934 MB		
and a start of the	Percentage:	40 %	250 MB	2336 N
	Use Automatic Memo	ory Management	Show Memory Distribution)	
	O Custom			
	Memory Management	Automatic Share	od Memory Monogement	
	Mentory Management		eu memory Management	
	SGA SIZE:	[700	M Bytes ~	
2	PGA Size:	233	🔺 M Bytes 🤝	
	Total Memory for Orac	le: 934 M Bytes		
	All Initialization Parameters	5)		
) Help)			– 🦪 🛛 🖉 🚽 🛞 🖉 🖉 🖉 🖉 🖉 🖉 🖉 🛞 🖉	Einish
Database Confi	guration Assistant, Ste	ep 9 of 11 : Init	ialization Parameters	_ ⊏
Database Confi	guration Assistant, Ste	ep 9 of 11 : Init	ialization Parameters	_ 0
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Database Confi	Memory S	izing Char	acter Sets Connection Mode	_ 🗆
Database Confi	Memory S A block is the smallest uni once the database is crea	izing Char t of storage for allo	acter Sets Connection Mode	_ 🗆
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切换到字符集设置(如下图):

Database Config	juration Assistant, St	ep 9 of 11 : Initialization Parameters _ 🗆 🗙	
	Memory 5	Sizing Character Sets Connection Mode	
	O Use the default The default character set for this database is based on the language setting of this		
	operating system: WE8	3MSWIN1252.	
	O Use Unicode (AL32UTF	8)	
	groups.	o Unicode (AL>20176) enables you to store multiple language	
	Choose from the list of	character sets	
	Database Character Se	et: ZHS16GBK – GBK 16-bit Simplified Chinese 👻	
		Show recommended character sets only	
	National Character Set:	AL16UTF16 - Unicode UTF-16 Universal character set	
	Default Language:	Simplified Chinese	
	Default Territory.	China	
	All Initialization Parameter	s)	
Cancel Help		(
	,		
默认语言:Simplified Chinese 默认地区:China	uration Assistant, Ste	ep 9 of 11 : Initialization Parameters _ 🗆 🗙	
	Memory S	izing Character Sets Connection Mode	
	Select the mode in which	you want your database to operate by default:	
	Dedicated Server Mode For each client connection the database will allocate a resource dedicated to serving only that client. Use this mode when the number of total client connections is expected to be small or when clients will be making persistent, long-running requests to the database.		
	C Shared Server Mode Several client connections share a database-allocated pool of resources. Use this mode when a large number of users need to connect to the database simultaneously while efficiently utilizing system resources. The Oracle shared server feature will be enabled.		
	Shared Servers specifies an instance is started up	: the number of server processes that you want to create when	
	Shared Server:		
		Edit Shared Server Parameters)	
	All Initialization Parameter	5)	
Cancel Help		<u>(Back</u> Next ≫) Einish	

切换到连接模式,选择专用服务器模式(默认) Next

	nfiguration Assistant, Step 10 of 11 : Database Storage $_$ \Box \times
(⊖-Storage -땐) Controlfile	Database Storage
- → Datafiles ⊕ → □ Redo Log Groups	From the Database Storage page, you can specify storage parameters for database creation. This page displays a tree listing and summary view (multi-column lists) to enable you to change and view the following objects:
	 Control files Tablespaces Datafiles Rollback Segments
	Redo Log Groups From any object type folder, click Create to create a new object. To delete an object, colort the specific chiest from within the object type folder and click Delete .
	Important: If you select a database template including data files, then you will not be able to add or remove data files, tablespaces, or rollback segments. Selecting this type of template enables you to change the following:
	 Destination of the datafiles Control files or log groups.
	For more information, refer to the Oracle Database Storage Administrator's Guide.
Create Delete	File Location Variables)
Cancel Help	Einish
勾选:创建数据库	
于凯汉首元加之后,只FINISN	
Database Co	nfiguration Assistant, Step 11 of 11 : Creation Options _ 💷 🗙
Database Co	nfiguration Assistant, Step 11 of 11 : Creation Options _ D X
Database Co	nfiguration Assistant, Step 11 of 11 : Creation Options _ D ×
T Database Co	nfiguration Assistant, Step 11 of 11 : Creation Options _
Database Co	nfiguration Assistant, Step 11 of 11 : Creation Options × Select the database creation options: Create Database Save as a Database Template Name:
Database Co	Infiguration Assistant, Step 11 of 11 : Creation Options _ □ × Select the database creation options: ✓ Create Database Save as a Database Template ✓ Name: Name: Orcl Description: ✓ Orcl
Database Co	Infiguration Assistant, Step 11 of 11 : Creation Options Select the database creation options: Create Database Save as a Database Template Name: Orcl Description:
Database Co	Select the database creation options: Image: Create Database Template Name: Orcl Description: Create Database Creation Scripts
Database Co	Infiguration Assistant, Step 11 of 11 : Creation Options Select the database creation options: Image: Create Database Image: Orcl Description: Image: Orcl Image: Orcl Description: Image: Orcl Image: Orcl Image: Orcl Im
Database Co	Image: stand section options: Select the database creation options: Create Database Save as a Database Template Name: Orci Description: Cenerate Database Creation Scripts Destination Idata/oracle/admin/orcl/scripts Browse
Database Co	Infiguration Assistant, Step 11 of 11 : Creation Options Select the database creation options: Create Database Save as a Database Template Name: Orci Description: Cenerate Database Creation Scripts Destination Directory. Idata/oracle/admin/orcl/scripts Browse

点Finish

Confirmation	×
The following operations will be performed: A database called "orcl" will be created. Database creation scripts will be stored in "/data/oracle/admin/orcl/scripts".	
Database Details:	
Create Database – Summary	
Database Configuration Summary	
Global Database Name: orci	
Database Configuration Type: Single Instance	- 88
SID: orcl	
Management Option Type: Database Control	- 88
Storage Type: File System	
Memory Configuration Type: Automatic Memory Management	
Database Configuration Details	- 11
Database Components	- 88
Component Selected Oracle JVM true Oracle Text true	
l li-	
Save as an HT	ML file
OK Cancel Help	

点击ok

中间所有进度提示框都点击Ok

```
注意:由于使用的oracle用户安装的,部分脚本可能受权限运行,可以等安装完成之后用root账号登录,执行下面两个脚本命令:
/data/oracle/product/11.2.0/db_1/root.sh
[root@localhost ~]# /data/oracle/product/11.2.0/db_1/root.sh
Running Oracle 11g root.sh script...
```

```
The following environment variables are set as:
ORACLE_OWNER= oracle
ORACLE_HOME= /data/oracle/product/11.2.0/db_1
```

Enter the full pathname of the local bin directory: [/usr/local/bin]:

/data/oraInventory/orainstRoot.sh

```
[root@localhost ~]# /data/oraInventory/orainstRoot.sh
Changing permissions of /data/oraInventory.
Adding read,write permissions for group.
Removing read,write,execute permissions for world.
Changing groupname of /data/oraInventory to oracle.
The execution of the script is complete.
[root@localhost ~]#
生成/etc/orata文件正在022数据库
```

Database Configuration Assistant ×	
Database creation complete. For details check the logfiles at: /data/oracle/cfgtoollogs/dbca/orcl.	
Database Information: Global Database Name: orcl System Identifier(SID): orcl Second Response Sile power, (data (credit (credi	Database Configuration Assistant ×
The Database Control IIRL is https://localhost.1158/em	
Management Departmentes has been placed in service pade wherein Enterprise	✓ Copying database files
Management Repository has been placed in secure mode wherein Enterprise Manager data will be encrypted. The encryption key has been placed in the file: /data/oracle/product/11.2.0/db_1/localhost_orcl/sysman/config/emkey.ora. Please ensure this file is backed up as the encrypted data will become unusable if this file is lost.	 ✓ Creating and starting Oracle instance ✓ Completing Database Creation
Note: All database accounts except SYS, SYSTEM, DBSNMP, and SYSMAN are locked. Select the Password Management button to view a complete list of locked accounts or to manage the database accounts (except DBSNMP and SYSMAN). From the Password Management window, unlock only the accounts you will use. Oracle Corporation strongly recommends changing the default passwords immediately after unlocking the account.	Clone database creation in progress 100% Log files for the current operation are located at: /data/oracle/cfgtoollogs/dbca/orcl
(Password Management)	
Exit	
料据库创建字成,占EvitBLY	
た。 合动oracle数据库:	
su - oracle #切换到loracle用户	
salplus / as systha: #以管理员方式登陆。	
[oracle@localhost ~]\$ echo \$0RACLE_BASE /data/oracle	
startup #启动数据库实例	
oracle@localhost ~]\$ sqlplus / as sysdba;	
GQL*Plus: Release 11.2.0.1.0 Production on Fri Oct 14 04	:38:40 2016
Copyright (c) 1982, 2009, Oracle. All rights reserved.	
Connected to: Dracle Database 11g Enterprise Edition Release 11.2.0.1. With the Partitioning, OLAP, Data Mining and Real Applic	0 - 64bit Prc ation Testing
SQL> startup JRA-01081: cannot start already-running ORACLE - shut it SQL> quit	down first
quit ^我 退出	
Isnrctl start #声动监听 [oracle@localhost ~]\$ lsnrctl start	action resting options
LSNRCTL for Linux: Version 11.2.0.1.0 - Production on 14	-OCT-2016 04:39:43
Copyright (c) 1991, 2009, Oracle. All rights reserved.	
TNS-01106: Listener using listener name LISTENER has alr [oracle@localhost ~]\$ ∎	ready been started
startup参数说明:	
startup #不带任何参数,启动数据库实例并打开数据库,一般选择这种启动方式	<u>×</u> v
startup nomount #只启动数据库实例,不打开数据库,一般用于创建新的数据	居年时使用
startup mount #启动数据库实例,并加库泼姆库,但不打开数据库,一般用于	于修改数据库名称等管理时使用
关闭oracle数据库	

su - oracle #切换到oracle用户 Isnrct1 stop #关闭监听器 sqlplus / as sysdba; #以管理员方式登陆。 shutdown immediate #关闭数据库实例 quit #退出 shutdown参数说明: normal #等待所有的用户断开连接,执行命令后不允许新连接 immediate #等待用户完成当前的语句后,再断开用户连接,不允许新用户连接 transactional #等待用户完成当前的语句后,再断开用户连接,不允许新用户连接 abort #强行断开连接并直接关闭数据库 前面三种方法不会导致数据库出错,最后一种方法目特殊状况不建议使用, 一般使用shutdown immediate关闭数据库 备注:如果执行shutdown immediate出现ORA-01012: not logged on错误 请先执行以下语句 ps -ef[grep ora_dbw0_\$orcl kill -9 pid #pid为进程号 其中orcl 是数据审的SID

八、设置oracle开机启动:

说明:linux下默认安装完Oracle后不会实现开机自启动 1、su - root #切换到root用户操作 执行脚本,生成/etc/oratab文件,前面已用root执行过,这里不再操作,路径如下: /data/oracle/product/11.2.0/db_1/root.sh /data/oraInventory/orainstRoot.sh

2、vi/etc/oratab #編辑 找到:\$ORACLE_SID:\$ORACLE_HOME:<N|Y>: 添加如下信息:

Entries are of the form: # \$ORACLE_SID:\$ORACLE_HOME:<N|Y>: orcl:/data/oracle/product/11.2.0/db_1:Y

orcl:/data/oracle/product/11.2.0/db_1:Y #orcl为oracle数据库实例名称 :wq! #保存退出

3、vi/data/oracle/product/11.2.0/db_1/bin/dbstart #編輯 找到:ORACLE_HOME_LISTNER=\$1 修改为:ORACLE_HOME_LISTNER=\$ORACLE_HOME

T) set -x ;;
esac
Set path if path not set (if called from $/etc/rc$)
SAVE DATH-/bin./usr/bin./otc.\$(DATH) . oxport DATH
SAVE_PAIN-/DIN:/USI/DIN:/etc:;{PAIN} ; export PAIN
SAVE_LLP=\$LD_LIBRARI_PATH
First argument is used to bring up Oracle Net Listene
#ORACLE_HOME_LISTNER=\$1
ORACLE_HOME_LISTNER=\$ORACLE_HOME
if [! \$ORACLE_HOME_LISTNER] ; then
echo "ORACLE HOME LISTNER is not SET, unable to auto-
echo "Usage: \$0 ORACLE HOME"
else
LOG=SORACLE HOME LISTNER/listener.log
Los fortroll_non to then, the const tog
Set the OBACLE HOME for the Oracle Net Listener it
a different OPACIE HOME for each entry in the orata
a different ORACLE_HOME for each entry in the oracle
export ORACLE_HOME=\$ORACLE_HOME_LISINER
##STACT OFACLE NOT LISTOPOF 4、vi/data/oracle/product/11.2.0/db_1/bin/dbshut #編目
找到:ORACLE_HOME_LISTNER=\$1
修改为:ORACLE_HOME_LISTNER=\$ORACLE_HOME
F Set path if path not set (if called from /etc
SAVE_PATH=/bin:/usr/bin:/etc:\${PATH} ; export P
SAVE_LLP=\$LD_LIBRARY_PATH
The this to bring down Oracle Net Listener
ORACLE HOME LISTNER=\$1
DRACLE HOME LISTNER=SORACLE HOME
f [I \$ ORACIE HOME IISTNER] • then
ere "ODACIE HOME I ICHNER ja net CEm unchle
echo ORACLE_HOME_LISINER IS NOU SEI, UNable
echo "Usage: \$0 ORACLE_HOME"
else
LOG=\$ORACLE_HOME_LISTNER/listener.log
<pre># Set the ORACLE_HOME for the Oracle Net List</pre>
a different ORACLE HOME for each entry in t
export ORACLE HOME=\$ORACLE HOME LISTNER
Stop Oracle Net Listener
if [_f \$ODACIE HOME IISTUNED/bin/thelene] .
5、创建oracle启动脚本

vi /etc/init.d/oracle #编辑, 添加以下代码

```
# chkconfig: 0356 99 10
# description: Startup Script for Oracle Databases
# Script path : /etc/init.d/oracle
# Author : Deng
#
ORACLE_BASE=/data/oracle
ORACLE_HOME=$ORACLE_BASE/product/11.2.0/db_1
ORACLE SID=orcl
PATH=$ORACLE_HOME/bin:/usr/sbin:$PATH
export ORACLE BASE ORACLE HOME ORACLE SID PATH
#
ORA_OWNR="oracle"
#
if [ ! -f $ORACLE_HOME/bin/dbstart -o ! -d $ORACLE_HOME ]
then
echo "Oracle startup: cannot start"
exit 1
fi
#
case "$1" in
start)
su - $ORA OWNR -lc $ORACLE HOME/bin/dbstart
echo "Oracle Start Succesful!"
;;
stop)
#
su - $ORA_OWNR -lc $ORACLE_HOME/bin/dbshut
echo "Oracle Stop Succesful!"
;;
restart)
$0 stop
$0 start
;;
*)
echo $"Usage: `basename $0` {start|stop|restart}"
exit 1
esac
exit 0
:wq! #保存退出
chown oracle.oinstall /etc/init.d/oracle #更改文件所有者
chmod 755 /etc/init.d/oracle #添加执行权限
In -s /etc/init.d/oracle /etc/rc3.d/S99oracle #添加系统启动级别3软连接
In -s /etc/init.d/oracle /etc/rc5.d/S99oracle #添加系统启动级别5软车接
In -s /etc/init.d/oracle /etc/rc0.d/K01oracle #添加系统关机软连接
In -s /etc/init.d/oracle /etc/rc6.d/K01oracle #添加系统重启软连接
chkconfig --add oracle # 添加系统服务
chkconfig oracle on #设置开机启动
备注:# chkconfig: 0356 99 10
0356: 定义运行级别
99:开机启动优先级(数字越大启动越晚)
10:关机停止优先级(数字越小关闭越早)
```

6、恢复操作系统示识 vi/etc/redhat-release #编辑 把:redhat-4 7、更改系统默认启动级别为3 vi /etc/inittab #编辑 id:3:initdefault: #修改5为3 :wq! #保存退出 8、常用命令 reboot #重启系统 重启后数据库一般会自动起来。 以下是常用命令(oracle用户下操作): service oracle start #启动oracle service oracle stop #关闭oracle service oracle restart #重启oracle su - oracle #切换到oracle用户 dbstart #启动oracle dbshut #关闭oracle ps -efw | grep ora #查看oracle进程 ps -efw | grep LISTEN | grep -v gre #查看oracle端口监听 Isnrctl status #查看oracle运行状态 NMP OFF istener Parameter File /data/oracle/product/11.2.0/db 1/network/admi /listener.ora /data/oracle/diag/tnslsnr/localhost/listener/ istener Log File lert/log.xml istening Endpoints Summary... (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST=localhost)(PORT=1521))) ervices Summary... ervice "orcl" has 1 instance(s). Instance "orcl", status READY, has 1 handler(s) for this service... ervice "orclXDB" has 1 instance(s). Instance "orcl", status READY, has 1 handler(s) for this service... he command completed successfully 九,建立数制库和连接用户 #su - oracle sqlplus / as sysdba; #以管理员方式登陆。 create database loanadmin; #创建数据库loanadmin oracle添加用户: create user loanadmin identified by password; 更改用户loanadmin密码为123456 alter user loanadmin identified by 123456; 授权: grant dba to loanadmin; 十,数据库导入导出命令: su - oracle exp loanadmin/123456@orcl file=/home/oracle/160926.dmp su - oracle imp loanadmin/123456@orcl_file=/home/oracle/160926.dmp_full=y ignore=y

修改为: CentOS release 6.6 (Final)