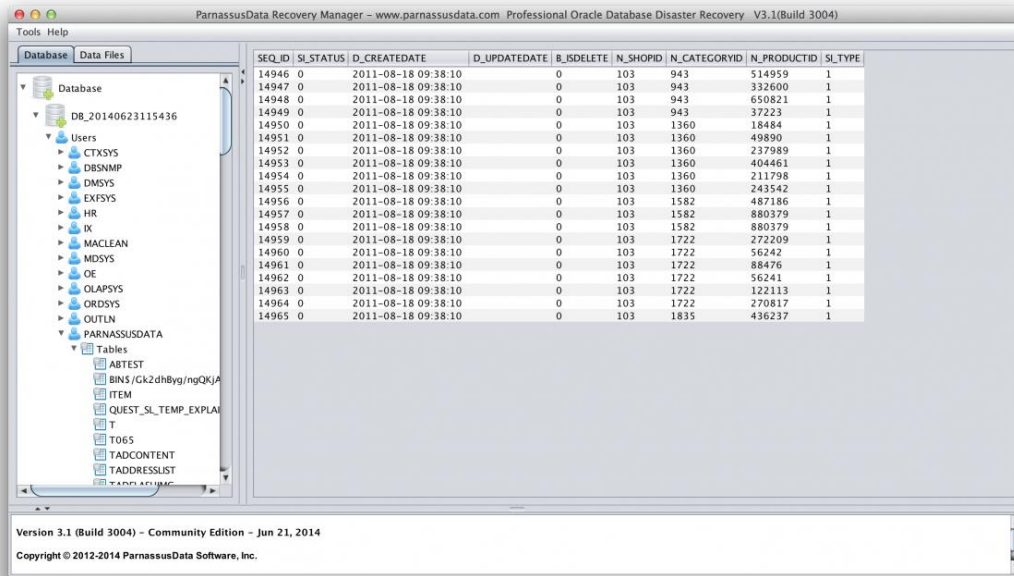


## How to run PRM DUL For Oracle Database on AIX?

PRM is designed for Enterprise Database Recovery, which includes all Oracle DUL data recovery functionalities, and also easy-to-use GUI.

### PRM For Oracle Database 3.1 GUI:



PRM almost can recovery Oracle database on all operating system, including:

Linux (RedHat, Centos, Oracle Linux, Suse), AIX, Solaris, HPUX, Windows 2003 Server/XP/2000/NT.

PRM Support Oracle database which starts from 9i, 10g, 11g to 12c.

Since ParnassusData Recovery Manager PRM DUL for Oracle Database is JAVA developed tools, and can be ran on different operating system, including: AIX、Solaris、HPUX、Linux and Windows.

On AIX, the Prerequisite is:

- 1、 AIX had installed JDK 1.6 or above
- 2、 If the database has Chinese or non-English character, please install Chinese language package or related language packages. Or PRM can not display correctly.

Type lsllp to list all installed Java package, lsllp -l | grep Java with capitalize J

```
bash-4.2# lsllp -l | grep Java
```

```
Java5.sdk 5.0.0.430 COMMITTED Java SDK 32-bit
```

Java5_64.sdk	5.0.0.430	COMMITTED	Java SDK 64-bit
Java6.sdk	6.0.0.280	COMMITTED	Java SDK 32-bit
Java6_64.sdk	6.0.0.385	COMMITTED	Java SDK 64-bit
Java5.sdk	5.0.0.430	COMMITTED	Java SDK 32-bit
Java5_64.sdk	5.0.0.430	COMMITTED	Java SDK 64-bit
Java6.sdk	6.0.0.280	COMMITTED	Java SDK 32-bit
Java6_64.sdk	6.0.0.385	COMMITTED	Java SDK 64-bit

If there is no Java 6 information, it means no Java 6 installed.

Download Java6\_64.sdk Address: <http://pan.baidu.com/s/1mg7ejxu>

After download, unzip Java SDK via tar and install via smitty installp

If you don't know Java executed file, use below command for it.

```

bash-4.2$ ls -lpp -f Java6.sdk | grep /bin/java
/usr/java6/bin/java -> /usr/java6/jre/bin/java
/usr/java6/jre/bin/javaw
/usr/java6/jre/bin/java
/usr/java6/jre/bin/javaws
/usr/java6/jre/javaws/javaws ->
/usr/java6/jre/bin/javaws
/usr/java6/bin/javadoc
/usr/java6/bin/javac
/usr/java6/bin/javah
/usr/java6/bin/javap
/usr/java6/bin/javaw -> /usr/java6/jre/bin/javaw
/usr/java6/bin/java-rmi.cgi
/usr/java6/jre/bin/java_vm
/usr/java6/bin/javaws -> /usr/java6/jre/bin/javaws

```

```

bash-4.2$ /usr/java6/bin/java -version
java version "1.6.0"
Java(TM) SE Runtime Environment (build pap3260sr9fp2-20110627_03(SR9 FP2))
IBM J9 VM (build 2.4, JRE 1.6.0 IBM J9 2.4 AIX ppc-32 jvmap3260sr9-20110624_85526 (JIT
enabled, AOT enabled)
J9VM - 20110624_085526
JIT - r9_20101028_17488ifx17
GC - 20101027_AA)

```

JCL - 20110530\_01

Add java bin to Path

```
export PATH= /usr/java6/bin:$PATH
```

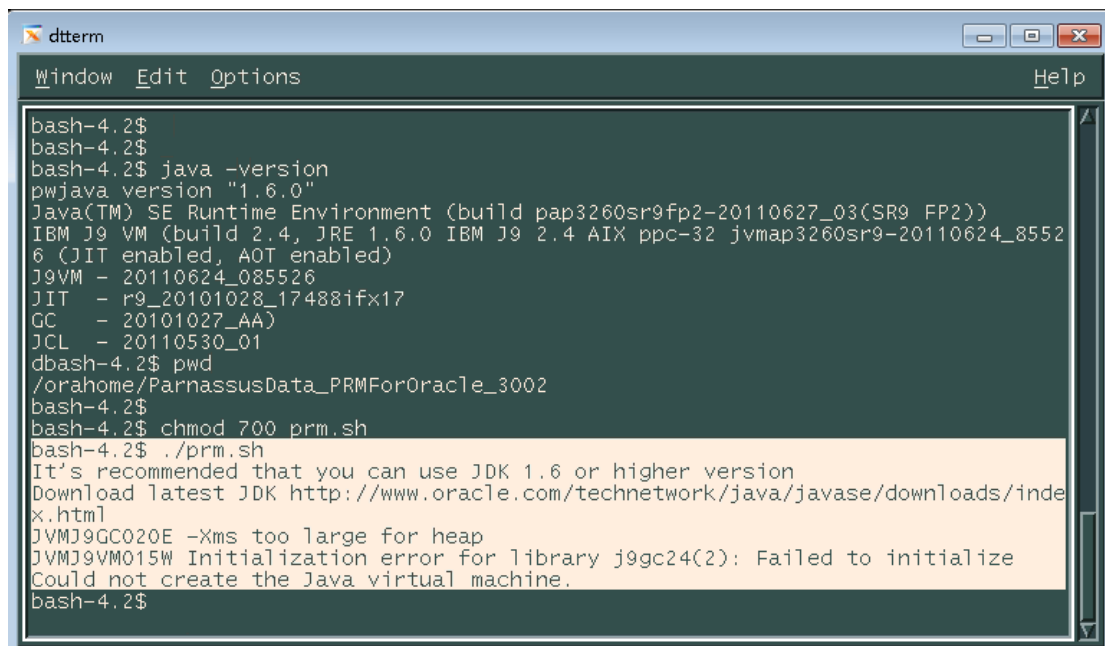
```
bash-4.2$ cd /orahome/ParnassusData_PRMForOracle_3002
```

```
chmod 700 prm.sh
```

Enter below to run

```
./prm.sh
```

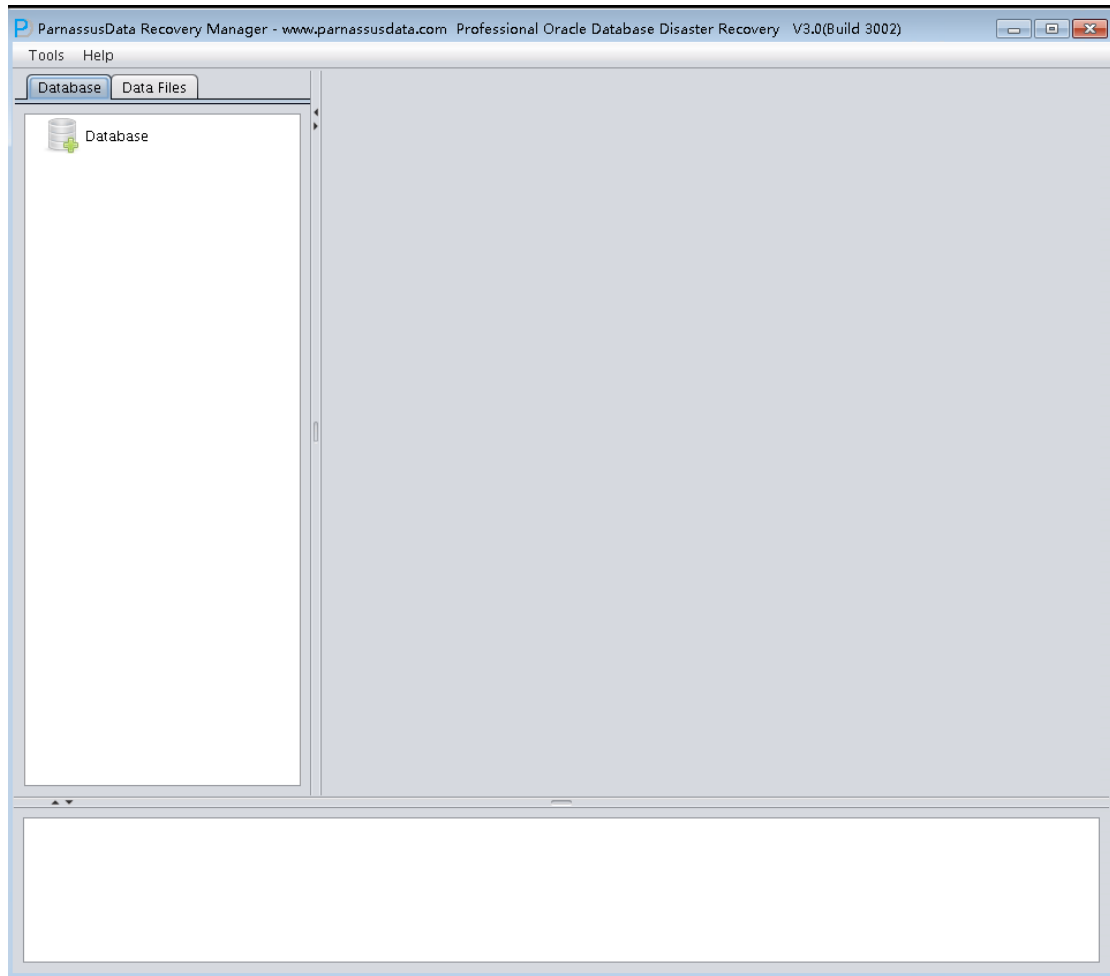
If there is an error, and the application does not start GUI, like below:



```
dtterm
Window Edit Options Help
bash-4.2$
bash-4.2$
bash-4.2$ java -version
pwjava version "1.6.0"
Java(TM) SE Runtime Environment (build pap3260sr9fp2-20110627_03(SR9 FP2))
IBM J9 VM (build 2.4, JRE 1.6.0 IBM J9 2.4 AIX ppc-32 jvmap3260sr9-20110624_8552
6 (JIT enabled, AOT enabled)
J9VM - 20110624_085526
JIT - r9_20101028_17488ifx17
GC - 20101027_AA)
JCL - 20110530_01
dbash-4.2$ pwd
/orahome/ParnassusData_PRMForOracle_3002
bash-4.2$
bash-4.2$ chmod 700 prm.sh
bash-4.2$ ./prm.sh
It's recommended that you can use JDK 1.6 or higher version
Download latest JDK http://www.oracle.com/technetwork/java/javase/downloads/index.html
JVMJ9GC020E -Xms too large for heap
JVMJ9VM015W Initialization error for library j9gc24(2): Failed to initialize
Could not create the Java virtual machine.
bash-4.2$
```

please RUN:

```
java -jar prm.jar
```



Install AIX 6.1 Chinese language package steps, as below:

AIX 6.1 has two system install CDs, and in order to install Chinese language UTF, GB, it may use both of CDs.

### Step 1

---

To implementation, sometimes, we need check current installed character set and install others:

To install character set:

1. Check OS current character set

```
# locale
```

2. Check OS current installed character set

```
# locale -a
```

3. Install new character set

Insert system CD

4. insert disk2, login system as root, mount CD drive:

```
#mount -rv cdrfs /dev/cd0 /mnt
```

#smit lang

---->Add Additional Language Environments

---->CULTURAL convention to install; LANGUAGE translation to install

To display character set use Esc+4 or F4. Chinese character set is end by ZH\_CN and start by UTF and GB. Click enter to install. If install failed, it shows which are not installed. Usually as below 6:

xlC.msg.ZH\_CN.cpp

bos.loc.utf.ZH\_CN

bos.loc.iso.Zh\_CN

X11.loc.Zh\_CN.base.rte

X11.loc.ZH\_CN.base.rte

Java5.msg.Zh\_CN

\*\*\* Attention to capitalized and no capitalized characters, in AIX, it means different \*\*\*

## Step 2

---

Filesets has dependency inside, and need to install sequentially

First run unmount /mnt, unmount disk2, and insert disk1, mount disk2,mount -rv cdrfs /dev/cd0 /mnt, install below filesets:

installp -ac -d/mnt/installp/ppc X11.fnt.ucs.ttf\_extb

installp -ac -d/mnt/installp/ppc bos.loc.com.utf

installp -ac -d/mnt/installp/ppc bos.iconv

Run unmount /mnt, and take out disk1 and insert disk2, mount drive mount -rv cdrfs /dev/cd0 /mnt. Install below filesets:

installp -ac -d/mnt/installp/ppc X11.fnt.ucs.ttf\_CN

installp -ac -d/mnt/installp/ppc Java5.msg.Zh\_CN

installp -ac -d/mnt/installp/ppc X11.loc.ZH\_CN.base.rte

installp -ac -d/mnt/installp/ppc X11.loc.Zh\_CN.base.rte

installp -ac -d/mnt/installp/ppc bos.loc.com.CN

installp -ac -d/mnt/installp/ppc bos.loc.utf.ZH\_CN

installp -ac -d/mnt/installp/ppc xlC.msg.ZH\_CN.cpp

## Step3

---

Check system characters locale -a, if display as below

C

POSIX

ZH\_CN

ZH\_CN.UTF-8

zh\_CN

zh\_CN.GB\*\*\*

en\_US

en\_US.8859-15  
en\_US.ISO8859-1

They were successfully installed if there are UTF and GB character set

Set up language variables.

Modify system character set

```
vi /etc/environment --> LANG=Zh_CN
```

Modify user character set

```
vi .profile --> EXPORT LANG=xxx
```

**\*\*\*Reboot is not necessary\*\*\***

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Sales: [sales@ParnassusData.com](mailto:sales@ParnassusData.com)  
Download PRM: <http://www.ParnassusData.com/>  
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