

Linux如何查看JDK的安装路径 - 潇湘隐者 - 博客园

如何在一台Linux服务器上查找JDK的安装路径呢？有那些方法可以查找定位JDK的安装路径？是否有一些局限性呢？下面总结了一下如何查找JDK安装路径的方法。

1: echo \$JAVA_HOME

使用\$JAVA_HOME的话能定位JDK的安装路径的前提是配置了环境变量\$JAVA_HOME，否则如下所示，根本定位不到JDK的安装路径

```
[root@localhost ~]# java -version
java version "1.7.0_65"
OpenJDK Runtime Environment (rhel-2.5.1.2.el6_5-x86_64 u65-b17)
OpenJDK 64-Bit Server VM (build 24.65-b04, mixed mode)
[root@localhost ~]# echo $JAVA_HOME
```

```
[root@localhost ~]#
[root@localhost ~]#
[root@localhost ~]# echo $JAVA_HOME

[root@localhost ~]# java -version
java version "1.7.0_65"
OpenJDK Runtime Environment (rhel-2.5.1.2.el6_5-x86_64 u65-b17)
OpenJDK 64-Bit Server VM (build 24.65-b04, mixed mode)
[root@localhost ~]# echo $JAVA_HOME
```

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dip_image001

2: which java

首先要申明一下which java是定位不到安装路径的。which java定位到的是java程序的执行路径。网上的资料都是人云亦云，完全不去思考。那么怎么定位到java的安装路径呢？下面我们来看看例子吧,如下所示：

```
[root@localhost ~]# java -version
java version "1.7.0_65"
OpenJDK Runtime Environment (rhel-2.5.1.2.el6_5-x86_64 u65-b17)
OpenJDK 64-Bit Server VM (build 24.65-b04, mixed mode)
[root@localhost ~]# which java
/usr/bin/java
[root@localhost ~]# ls -lrt /usr/bin/java
lrwxrwxrwx. 1 root root 22 Aug 17 15:12 /usr/bin/java ->
/etc/alternatives/java
[root@localhost ~]# ls -lrt /etc/alternatives/java
lrwxrwxrwx. 1 root root 46 Aug 17 15:12 /etc/alternatives/java ->
/usr/lib/jvm/jre-1.7.0-openjdk.x86_64/bin/java
[root@localhost ~]#
[root@localhost ~]# cd /usr/lib/jvm
[root@localhost jvm]# ls
java-1.6.0-openjdk-1.6.0.0.x86_64 java-1.7.0-openjdk-1.7.0.65.x86_64 jre
jre-1.6.0 jre-1.6.0-openjdk.x86_64 jre-1.7.0 jre-1.7.0-openjdk.x86_64 jre-
openjdk
[root@localhost jvm]#
```

```

[root@localhost ~]# java -version
java version "1.7.0_65"
OpenJDK Runtime Environment (rhel-2.5.1.2.el6_5-x86_64 u65-b17)
OpenJDK 64-Bit Server VM (build 24.65-b04, mixed mode)
[root@localhost ~]# which java
/usr/bin/java
[root@localhost ~]# ls -lrt /usr/bin/java
lrwxrwxrwx. 1 root root 22 Aug 17 15:12 /usr/bin/java -> /etc/alternatives/java
[root@localhost ~]# ls -lrt /etc/alternatives/java
lrwxrwxrwx. 1 root root 46 Aug 17 15:12 /etc/alternatives/java -> /usr/lib/jvm/jre-1.7.0-openjdk.x86_64/bin/java
[root@localhost ~]#

```

dip_image002

whereis java 也是如此，它本身不能定位到安装路径。可以通过上面例子去定位安装路径

```

[root@localhost ~]#
[root@localhost ~]#
[root@localhost ~]# java -version
java version "1.7.0_65"
OpenJDK Runtime Environment (rhel-2.5.1.2.el6_5-x86_64 u65-b17)
OpenJDK 64-Bit Server VM (build 24.65-b04, mixed mode)
[root@localhost ~]# which java
/usr/bin/java
[root@localhost ~]# whereis java
java: /usr/bin/java /etc/java /usr/lib/java /usr/share/java /usr/share/java-1.7.0-openjdk.x86_64
[root@localhost ~]#

```

dip_image003

3: rpm -ql packagename

如果JDK是源码安装的话，那么这个方法也是行不通的。也就是说rpm -ql packagename也是有一定局限性的。

```

[root@localhost ~]# java -version
java version "1.7.0_65"
OpenJDK Runtime Environment (rhel-2.5.1.2.el6_5-x86_64 u65-b17)
OpenJDK 64-Bit Server VM (build 24.65-b04, mixed mode)
[root@localhost ~]# rpm -qa | grep java
tzdata-java-2014g-1.el6.noarch
java-1.6.0-openjdk-1.6.0.0-11.1.13.4.el6.x86_64
java-1.7.0-openjdk-1.7.0.65-2.5.1.2.el6_5.x86_64
[root@localhost ~]# rpm -ql java-1.7.0-openjdk-1.7.0.65-2.5.1.2.el6_5.x86_64
| more
/etc/.java
/etc/.java/.systemPrefs
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jaas-1.7.0.65.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jaas-1.7.0.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jaas.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jce-1.7.0.65.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jce-1.7.0.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jce.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jdbc-stdext-
1.7.0.65.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jdbc-stdext-
1.7.0.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jdbc-stdext-3.0.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jdbc-stdext.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jndi-1.7.0.65.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jndi-1.7.0.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jndi-cos-

```

1.7.0.65.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jndi-cos-1.7.0.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jndi-cos.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jndi-ldap-
1.7.0.65.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jndi-ldap-1.7.0.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jndi-ldap.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jndi-rmi-
1.7.0.65.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jndi-rmi-1.7.0.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jndi-rmi.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jndi.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jsse-1.7.0.65.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jsse-1.7.0.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jsse.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/sasl-1.7.0.65.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/sasl-1.7.0.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/sasl.jar
/usr/lib/jvm-exports/jre-1.7.0-openjdk.x86_64
/usr/lib/jvm-private/java-1.7.0-openjdk.x86_64
/usr/lib/jvm-private/java-1.7.0-openjdk.x86_64/jce
/usr/lib/jvm-private/java-1.7.0-openjdk.x86_64/jce/vanilla
/usr/lib/jvm/java-1.7.0-openjdk-1.7.0.65.x86_64
/usr/lib/jvm/java-1.7.0-openjdk-1.7.0.65.x86_64/ASSEMBLY_EXCEPTION
/usr/lib/jvm/java-1.7.0-openjdk-1.7.0.65.x86_64/LICENSE
/usr/lib/jvm/java-1.7.0-openjdk-1.7.0.65.x86_64/THIRD_PARTY_README
/usr/lib/jvm/java-1.7.0-openjdk-1.7.0.65.x86_64/jre
/usr/lib/jvm/java-1.7.0-openjdk-1.7.0.65.x86_64/jre/bin
/usr/lib/jvm/java-1.7.0-openjdk-1.7.0.65.x86_64/jre/bin/java
/usr/lib/jvm/java-1.7.0-openjdk-1.7.0.65.x86_64/jre/bin/keytool
/usr/lib/jvm/java-1.7.0-openjdk-1.7.0.65.x86_64/jre/bin/orbd
/usr/lib/jvm/java-1.7.0-openjdk-1.7.0.65.x86_64/jre/bin/pack200
/usr/lib/jvm/java-1.7.0-openjdk-1.7.0.65.x86_64/jre/bin/policytool
/usr/lib/jvm/java-1.7.0-openjdk-1.7.0.65.x86_64/jre/bin/rmid
/usr/lib/jvm/java-1.7.0-openjdk-1.7.0.65.x86_64/jre/bin/rmiregistry
--More--

```
[root@localhost ~]# rpm -qa | grep java
tzdata-java-2014g-1.el6.noarch
java-1.6.0-openjdk-1.6.0.0-11.1.13.4.el6.x86_64
java-1.7.0-openjdk-1.7.0.65-2.5.1.2.el6_5.x86_64
[root@localhost ~]# rpm -ql java-1.7.0-openjdk-1.7.0.65-2.5.1.2.el6_5.x86_64 | more
/etc/.java
/etc/.java/.systemPrefs
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jaas-1.7.0.65.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jaas-1.7.0.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jaas.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jce-1.7.0.65.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jce-1.7.0.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jce.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jdbc-stdext-1.7.0.65.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jdbc-stdext-1.7.0.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jdbc-stdext-3.0.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jdbc-stdext.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jndi-1.7.0.65.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jndi-1.7.0.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jndi-cos-1.7.0.65.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jndi-cos-1.7.0.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jndi-cos.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jndi-ldap-1.7.0.65.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jndi-ldap-1.7.0.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jndi-ldap.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jndi-rmi-1.7.0.65.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jndi-rmi-1.7.0.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jndi-rmi.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jndi.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jsse-1.7.0.65.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jsse-1.7.0.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/jsse.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/sasl-1.7.0.65.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/sasl-1.7.0.jar
/usr/lib/jvm-exports/java-1.7.0-openjdk-1.7.0.65.x86_64/sasl.jar
/usr/lib/jvm-exports/jre-1.7.0-openjdk.x86_64
/usr/lib/jvm-private/java-1.7.0-openjdk.x86_64
/usr/lib/jvm-private/java-1.7.0-openjdk.x86_64/jce
/usr/lib/jvm-private/java-1.7.0-openjdk.x86_64/jce/vanilla
/usr/lib/jvm/java-1.7.0-openjdk-1.7.0.65.x86_64
/usr/lib/jvm/java-1.7.0-openjdk-1.7.0.65.x86_64/ASSEMBLY_EXCEPTION
/usr/lib/jvm/java-1.7.0-openjdk-1.7.0.65.x86_64/LICENSE
/usr/lib/jvm/java-1.7.0-openjdk-1.7.0.65.x86_64/THIRD_PARTY_README
/usr/lib/jvm/java-1.7.0-openjdk-1.7.0.65.x86_64/inv
```

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