

JDK and JRE File Structure

JDK 目录和文件的概述介绍

This page provides an introductory overview of the JDK directories and the files they contain. **Note** that the file structure of the JRE is identical to that of the JDK's `jre` directory.

注意：JRE 位于 `jre` 目录

Development Files and Directories

本节介绍开发Java应用最重要的文件和目录

This section describes the most important files and directories required to develop applications for the Java platform.

(Note that some of the directories that are not required include Java source code and C header files. These are mentioned in the [Additional Files and Directories](#) section.)

Assuming the JDK software is installed at `/jdk1.7.0`, here are some of the most important directories:

`/jdk1.7.0`

JDK根目录

版权、许可和自述文件

Root directory of the JDK software installation. Contains copyright, license, and README files. Also contains `src.zip`, the archive of source code for the Java platform.

Java平台源代码归档文件

`/jdk1.7.0/bin`

用于开发工具的可执行文件

Executables for all the development tools contained in the JDK. The `PATH` environment variable should contain an entry for this directory. For more information on the tools, see the [JDK Tools](#).

JDK 工具集

`/jdk1.7.0/lib`

开发工具，包括支持工具集的非核心的类

Files used by the development tools. Includes `tools.jar`, which contains non-core classes for support of the tools and utilities in the JDK. Also includes `dt.jar`, the DesignTime archive of BeanInfo files that tell interactive development environments (IDE's) how to display the Java components and how to let the developer customize them for an application.

`/jdk1.7.0/jre`

Java运行环境的根目录

运行环境是Java平台的一个实现

Root directory of the Java runtime environment used by the JDK development tools. The runtime environment is an implementation of the Java platform. This is the directory referred to by the `java.home` system property.

`/jdk1.7.0/jre/bin`

Executable files for tools and libraries used by the Java platform. The executable files are identical to files in `/jdk1.7.0/bin`. The `java` launcher tool serves as an application launcher (and replaced the old `jre` tool that shipped with 1.1 versions of the JDK). This directory does not need to be in the `PATH` environment variable.

`/jdk1.7.0/jre/lib`

用于“Java运行环境”的代码包、属性设置和资源文件

该目录无需添加到PATH环境变量中

Code libraries, property settings, and resource files used by the Java runtime environment. For example:

- `rt.jar` -- the *bootstrap* classes (the `RunTime` classes that comprise the Java platform's core API).
- `charsets.jar` -- character-conversion classes.

Aside from the `ext` subdirectory (described below) there are several additional resource subdirectories not described here.

`/jdk1.7.0/jre/lib/ext`

Default installation directory for [Extensions](#) to the Java platform. This is where the `JavaHelp` jar file goes when it is installed, for example.

- `localedata.jar` -- locale data for `java.text` and `java.util`.

`/jdk1.7.0/jre/lib/security`

安全管理：包括 安全策略和安全属性 文件

Contains files used for security management. These include the security policy (`java.policy`) and security properties (`java.security`) files.

`/jdk1.7.0/jre/lib/i386/client`

HotSpot 虚拟机客户端

Contains the `.so` file used by the Java HotSpot™ Client Virtual Machine, which is implemented with Java HotSpot™ technology. This is the default VM.

`/jdk1.7.0/jre/lib/i386/server`

HotSpot 虚拟机服务端

Contains the `.so` file used by the Java HotSpot™ Server Virtual Machine.

`/jdk1.7.0/jre/lib/applet`

Jar files containing support classes for applets can be placed in the `lib/applet/` directory. This reduces startup time for large applets by allowing applet classes to be pre-loaded from the local file system by the applet class loader, providing the same protections as if they had been downloaded over the net.

/jdk1.7.0/jre/lib/fonts

Font files for use by platform.

Additional Files and Directories 其他文件和目录

This section describes additional files and directories.

/jdk1.7.0/**src.zip** Java平台的源代码

Archive containing source code for the Java platform.

/jdk1.7.0/db

Contains Java DB.

/jdk1.7.0/**include** 支持 native 编程的 C 语言头文件 (JNI)

C-language header files that support native-code programming using the Java Native Interface and the Java Virtual Machine Debugger Interface.

/jdk1.7.0/**man** JDK工具集的手册页

Contains man pages for the JDK tools.

Note: Demos and samples that show you how to program for the Java platform are available as a separate download at Java SE Downloads. These are available as separate .rpm installers or tar.gz compressed binaries. Like other 64-bit bundles on Linux, the 64-bit demos and samples bundles on Linux expect the 32-bit demos and samples bundles to also be installed.