

# ***STARCCM+ V3.04 安装手册***

***Linux 版***

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## 概述

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- 本手册详细描述了**STARCCM+3.04 (Linux版)** 的安装流程。
- 本手册的安装流程适用于**Linux 32-bit**版本和**64-bit**版本。

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## 第一部分 软件安装

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- 解压缩文件准备安装
- 指定安装路径选择安装组件
- 安装**Java SDK**

## 1.1. 解压缩文件准备安装

```
[cdtest@localhost STAR-CCM]$ ls
STAR-CCM3.04.008_linux-x86.tar.gz
[cdtest@localhost STAR-CCM]$ su
Password:
[root@localhost STAR-CCM]# gunzip STAR-CCM3.04.008_linux-x86.tar.gz
[root@localhost STAR-CCM]# ls
STAR-CCM3.04.008_linux-x86.tar
[root@localhost STAR-CCM]# tar xf STAR-CCM3.04.008_linux-x86.tar
[root@localhost STAR-CCM]# ls
STAR-CCM3.04.008 STAR-CCM3.04.008_linux-x86.tar
[root@localhost STAR-CCM]# cd STAR-CCM3.04.008
[root@localhost STAR-CCM3.04.008]# ls
gzip-1.2.4 images InstallationGuide_3.04.008.html Packages ReleaseNotes_3.04.008.html setup
[root@localhost STAR-CCM3.04.008]# ./setup
```

1. 键入命令“gunzip”解压STAR-CCM+3.04.008\_linux-86.tar.gz;
2. 键入命令“tar”解压STAR-CCM+3.04.008\_linux-86.tar;
3. 进入新创建的文件夹并运行“setup”;

## 1.2. 指定安装路径并选择组件

4. 选择安装路径;
5. 选择安装组件;

```

Please enter the path of the installation directory, you can use relative direct
ories (X=Exit):
/opt
*****
* SOFTWARE SELECTION      (Stage 2/6) *
*****

The following options can be toggled on or off by entering their numbers.
A keyword can be used to toggle any option that contains the keyword.
You may enter more than one option on the same line separated by a space.
In order to continue to the next stage you must select at least one option:

1. [ ] FLEXlm Utilities 10.8
2. [ ] JavaSDK
3. [ ] STAR-CCM+ 3.04.008
4. [ ] STAR-Design 3.04.003
A.   Select all options
U.   Unselect all options

Please enter your selection (X=Exit B=Back N=Next): a
  
```

包含的组件

## 1.3. 开始安装

The next stage will start the installation process (X=Exit B=Back N=Next): **n** **6**

```
*****
* INSTALLATION PROCESS (Stage 5/6) *
*****
```

Please wait. The installation process can take a few minutes...

winrun.sh...

0.00% completed in 0min 0sec. Estimated Time Left: ? min ? sec (updated after

starccm+3.04.008\_doc.tar.gz...

0.00% completed in 0min 0sec. Estimated Time Left: ? min ? sec (updated after

flexlm-linux-x86\_32-10.8.tar.gz...

29% completed in 0 min 19 sec. Estimated Time Left: 1min 46sec. (updated after

jdk-6u6-linux-i586.bin...

29% completed in 0 min 19 sec. Estimated Time Left: 1min 45sec. (updated after

starccm+3.04.008\_linux-x86-2.2.5\_gnu4.2.tar.gz...

44% completed in 1 min 32 sec. Estimated Time Left: 1min 40sec. (updated after

STARDESIGN\_3.04.003-linux\_2.4-x86-glibc\_2.3.2.tgz...

82% completed in 1 min 22 sec. Estimated Time Left: 0min 17sec. (updated after

100.00% completed in 2 min 36 sec.

Installation completed!

```
*****
* POST INSTALLATION (Stage 6/6) *
*****
```

==== LICENSING =====

Your license file location is defined by /root/.flexlmrc and contains:

@

Would you like to keep this setting? (Y=Yes N=No): **y** **7**

6. 键入“n”开始安装;
7. 保持license文件位置的指定方式, 键入“y”继续安装;

## 1.4. 安装Java SDK

```
==== LICENSING =====
Your license file location is defined by /root/.flexlmrc and contains:
@
Would you like to keep this setting? (Y=Yes N=No): y
Keeping the existing file.

==== JAVA INSTALLATION CONFIGURATION =====
Do you want to run the Java Software Development Kit (SDK) installer for Linux_x86_3
2? (Y=Yes N=No) y
```

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弹出的窗口

```
winrun: ./jdk-6u6-linux-i586.bin

Sun Microsystems, Inc. Binary Code License Agreement
for the JAVA SE DEVELOPMENT KIT (JDK), VERSION 6

SUN MICROSYSTEMS, INC. ("SUN") IS WILLING TO LICENSE THE
SOFTWARE IDENTIFIED BELOW TO YOU ONLY UPON THE CONDITION
THAT YOU ACCEPT ALL OF THE TERMS CONTAINED IN THIS BINARY
CODE LICENSE AGREEMENT AND SUPPLEMENTAL LICENSE TERMS
(COLLECTIVELY "AGREEMENT"). PLEASE READ THE AGREEMENT
CAREFULLY. BY DOWNLOADING OR INSTALLING THIS SOFTWARE, YOU
ACCEPT THE TERMS OF THE AGREEMENT. INDICATE ACCEPTANCE BY
SELECTING THE "ACCEPT" BUTTON AT THE BOTTOM OF THE
AGREEMENT. IF YOU ARE NOT WILLING TO BE BOUND BY ALL THE
TERMS, SELECT THE "DECLINE" BUTTON AT THE BOTTOM OF THE
AGREEMENT AND THE DOWNLOAD OR INSTALL PROCESS WILL NOT
CONTINUE.

1. DEFINITIONS. "Software" means the identified above in
binary form, any other machine readable materials
(including, but not limited to, libraries, source files,
header files, and data files), any updates or error
corrections provided by Sun, and any user manuals,
--More--
```

8. 键入“y”后回车，安装Java SDK，弹出安装窗口，如左下图所示。
9. 在安装窗口按“enter”键快速浏览，直到看到如右下图高亮显示的语句，键入“y”进行安装。

```
winrun: ./jdk-6u6-linux-i586.bin

amount of data to Sun (or its service provider) about those
specific processes to help Sun understand and optimize
them. Sun does not associate the data with personally
identifiable information. You can find more information
about the data Sun collects at http://java.com/data/.

For inquiries please contact: Sun Microsystems, Inc., 4150
Network Circle, Santa Clara, California 95054, U.S.A.

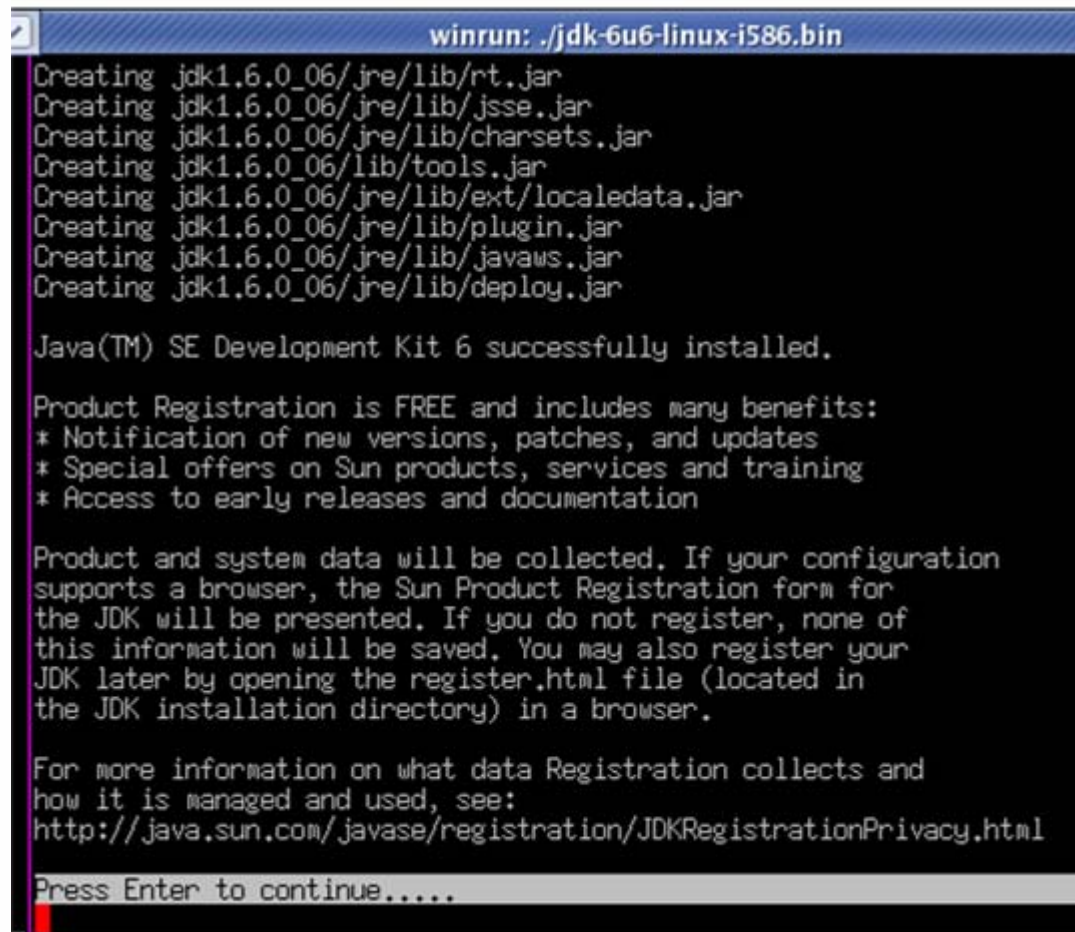
Do you agree to the above license terms? [yes or no]
```

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## 1.4. 安装Java SDK (续)

如下图高亮显示，按“enter”继续安装；



```
winrun: ./jdk-6u6-linux-i586.bin
Creating jdk1.6.0_06/jre/lib/rt.jar
Creating jdk1.6.0_06/jre/lib/jsse.jar
Creating jdk1.6.0_06/jre/lib/charsets.jar
Creating jdk1.6.0_06/lib/tools.jar
Creating jdk1.6.0_06/jre/lib/ext/localedata.jar
Creating jdk1.6.0_06/jre/lib/plugin.jar
Creating jdk1.6.0_06/jre/lib/javaws.jar
Creating jdk1.6.0_06/jre/lib/deploy.jar

Java(TM) SE Development Kit 6 successfully installed.

Product Registration is FREE and includes many benefits:
* Notification of new versions, patches, and updates
* Special offers on Sun products, services and training
* Access to early releases and documentation

Product and system data will be collected. If your configuration
supports a browser, the Sun Product Registration form for
the JDK will be presented. If you do not register, none of
this information will be saved. You may also register your
JDK later by opening the register.html file (located in
the JDK installation directory) in a browser.

For more information on what data Registration collects and
how it is managed and used, see:
http://java.sun.com/javase/registration/JDKRegistrationPrivacy.html

Press Enter to continue.....
```

## 1.5. 完成安装

成功安装后，出现如下图黑色高亮部分显示的信息。然后可根据提示选择重新启动安装(按R)还是离开安装界面(按C)。

```
==== SOFTWARE CONFIGURATION =====  
Setting up the STAR-Design config.xml file... DONE!  
  
==== RUNNING THE SOFTWARE =====  
  
To run STAR-Design:  
  /opt/STARDESIGN/3.04.003/bin/stardesign  
  
To run STAR-CCM+:  
  /opt/starccm+3.04.008/star/bin/starccm+  
  
DONE!  
Please enter your selection (R=Restart C=Close): █
```

## 第二部分 *License*配置

---

- 拷贝**License**文件
- 启动**License**并确认**License**
- 设置环境变量和路径

## 2.1. 拷贝License文件

1. 将license.dat文件拷贝到：  
“/opt/FLEXlm\_10.8/linux-x86-2.2.5/bin/”;

```
[cdtest@localhost Desktop]$ ls
0          Screenshot-14.png Screenshot-5.png Screenshot-Setup-1.png
license.dat Screenshot-15.png Screenshot-6.png Screenshot-Setup-2.png
Screenshot-10.png Screenshot-1.png Screenshot-7.png Screenshot-Setup-3.png
Screenshot-11.png Screenshot-2.png Screenshot-8.png Screenshot-Setup.png
Screenshot-12.png Screenshot-3.png Screenshot-9.png
Screenshot-13.png Screenshot-4.png Screenshot.png
[cdtest@localhost Desktop]$ cp license.dat /opt/FLEXlm_10.8/linux-x86-2.2.5/bin/
```

①

## 2.2. 启动license

2. 进入文件夹“/opt/FLEXlm\_10.8/linux-x86-2.2.5/bin/”，键入命令“./lmgrd -c license.dat”；

```
[root@localhost bin]# ls  
cdlm license.dat lmgrd lmstat starid  
getnid license.dat~ lmhostid lmutil  
[root@localhost bin]# ./lmgrd -c license.dat
```

②

注：每次机器重启后，  
须重新启动license。

## 2.2. 确认license

```
[cdtest@localhost bin]$ ls
cdlnd  getnid  license.dat  lngrd  lmhostid  lmstat  lmutil  starid
[cdtest@localhost bin]$ ./lngrd -c license.dat
[cdtest@localhost bin]$ 16:45:46 (lngrd) -----
16:45:46 (lngrd) Please Note:
16:45:46 (lngrd)
16:45:46 (lngrd) This log is intended for debug purposes only.
16:45:46 (lngrd) In order to capture accurate license
16:45:46 (lngrd) usage data into an organized repository,
16:45:46 (lngrd) please enable report logging. Use Microvision's
16:45:46 (lngrd) software license administration solution,
16:45:46 (lngrd) FLEXnet Manager, to readily gain visibility
16:45:46 (lngrd) into license usage data and to create
16:45:46 (lngrd) insightful reports on critical information like
16:45:46 (lngrd) license availability and usage. FLEXnet Manager
16:45:46 (lngrd) can be fully automated to run these reports on
16:45:46 (lngrd) schedule and can be used to track license
16:45:46 (lngrd) servers and usage across a heterogeneous
16:45:46 (lngrd) network of servers including Windows NT, Linux
16:45:46 (lngrd) and UNIX. Contact Microvision at
16:45:46 (lngrd) www.microvision.com for more details on how to
16:45:46 (lngrd) obtain an evaluation copy of FLEXnet Manager
16:45:46 (lngrd) for your enterprise.
16:45:46 (lngrd) -----
16:45:46 (lngrd)
16:45:46 (lngrd) FLEXnet Licensing (v10.8.0.7 build 26147) started on localhost (linux) (7/22/2008)
16:45:46 (lngrd) Copyright (c) 1988-2006 Microvision Europe Ltd. and/or Microvision Corporation. All Rights Reserved.
16:45:46 (lngrd) US Patents 5,390,297 and 5,671,412.
16:45:46 (lngrd) World Wide Web: http://www.microvision.com
16:45:46 (lngrd) License file(s): license.dat
16:45:46 (lngrd) lngrd tcp_port 1999
16:45:46 (lngrd) Starting vendor daemons ...
16:45:46 (lngrd) Started cdlnd (internet tcp_port 32771 pid 3592)
16:45:46 (cdlnd) FLEXnet Licensing version v10.8.0.7 build 26147
16:45:46 (cdlnd) Server started on localhost for: ERCmodels
16:45:46 (cdlnd) EZaero EZturbo EZuhood
16:45:46 (cdlnd) ambatch ercdrop esvtm
16:45:46 (cdlnd) proam profe proice
16:45:46 (cdlnd) prostar stardesign starpar
16:45:46 (cdlnd) starsuite v2f
16:45:46 (lngrd) cdlnd using TCP port 32771
```

若license启动成功，  
可看到各license feature。

## 2.3. 设置环境变量和路径

在用户根目录下键入“gedit”或其它相应命令编辑文件  
.bash\_profile，添加路径①和环境变量②，如下图所示：

```
# User specific environment and startup programs

PATH=./:$PATH
PATH=$PATH:$HOME/bin
PATH=/opt/starccm+3.04.008/star/bin:$PATH

export PATH
export CDLMD_LICENSE_FILE=1999@localhost

unset USERNAME
```

①

②

