

# sbt

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# Preface

## sbt

sbt , :

- sbt
- [hello world](#)
- 
- 
- [sbt](#) sbt
- [.sbt](#)

, Jar Shell , [Mac,Windows,Linux](#),

sbt , ,HTTP ,JVM

## Mac sbt

: ,

## Macports

```
$ port install sbt
```

## Homebrew

```
$ brew install sbt
```

ZIP TGZ

**Windows** sbt

**Windows**

msi

ZIP TGZ

**Linux** sbt

ZIP TGZ

RPM DEB

:

- [RPM](#)
- [DEB](#)

: [sbt-launcher-package](#)

Gentoo

sbt ebuild sbt [ebuilds](#) ebuilds sbt:

```
$ mkdir -p /usr/local/portage && cd /usr/local/portage
$ git clone git://github.com/whiter4bbit/overlays.git
$ echo "PORTDIR_OVERLAY=$PORTDIR_OVERLAY /usr/local/portage/overlays" >> /etc/make.conf
$ emerge sbt-bin
```

: ebuild

sbt

[sbt-launch.jar](#),

Unix

[sbt-launch.jar](#) ~/bin

jar, ~/bin/sbt :

```
SBT_OPTS="-Xms512M -Xmx1536M -Xss1M -XX:+CMSClassUnloadingEnabled -XX:MaxPermSize=256M"
java $SBT_OPTS -jar ` $0`/sbt-launch.jar "$@"
```

:

```
$ chmod u+x ~/bin/sbt
```

## Windows

Windows Cygwin , batch path , sbt  
sbt , , JVM

**Non-Cygwin** Windows Cygwin , sbt.bat batch :

```
set SCRIPT_DIR=%~dp0
java -Xms512M -Xmx1536M -Xss1M -XX:+CMSClassUnloadingEnabled -XX:MaxPermSize=256M -jar "%SCRIPT_DIR\sbt-launch.jar" sbt.bat
```

**Cygwin** Windows Cygwin Windows , bash ~/bin/sbt:

```
SBT_OPTS="-Xms512M -Xmx1536M -Xss1M -XX:+CMSClassUnloadingEnabled -XX:MaxPermSize=256M"
java $SBT_OPTS -jar sbt-launch.jar "$@"
```

sbt-launch.jar sbt-launch.jar, cygpath :

```
$ chmod u+x ~/bin/sbt
```

**Cygwin** **Ansi** Cygwin **Ansi** ( **Ansi** stty ), bash  
~/bin/sbt:

```
SBT_OPTS="-Xms512M -Xmx1536M -Xss1M -XX:+CMSClassUnloadingEnabled -XX:MaxPermSize=256M"
stty -icanon min 1 -echo > /dev/null 2>&1
java -Djline.terminal=jline.UnixTerminal -Dsbt.cygwin=true $SBT_OPTS -jar sbt-launch.jar "$@"
stty icanon echo > /dev/null 2>&1
```

sbt-launch.jar sbt-launch.jar, cygpath :

```
$ chmod u+x ~/bin/sbt
```

(backspace) scala , (erase character), stty cygwin  
(mintty), -> ,“ ^H” cygwin ^H

: [pull request](#)

## Hello, World

**.sbt**

**Scopes**

**.scala**

