

# 安装配置教程

# Tomcat

授课机构:六星教育

授课老师: 北斗老师

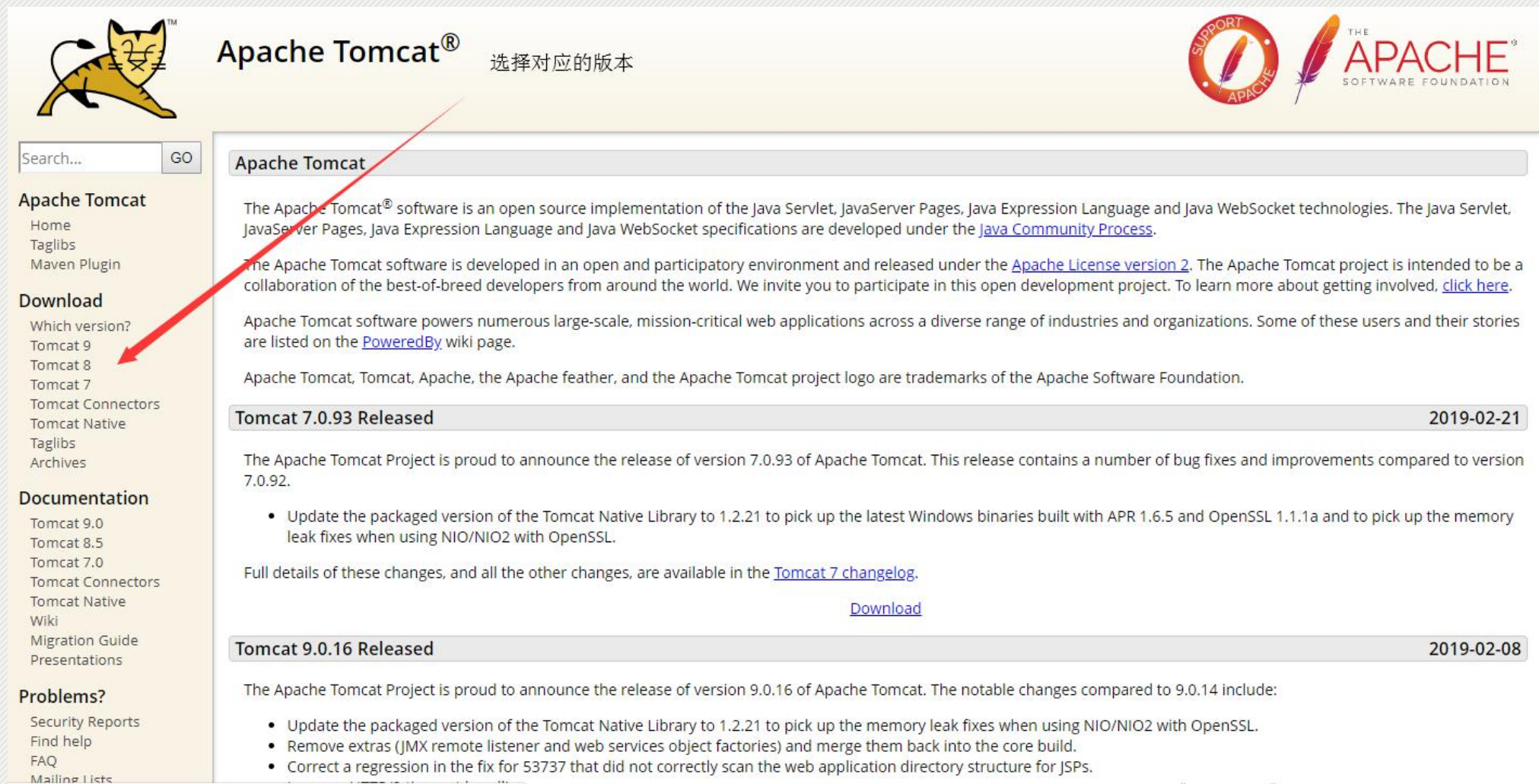
# 目录

CONTENTS



第一步：下载tomcat，并解压到目标目录。

下载链接：<http://tomcat.apache.org/>



The screenshot shows the Apache Tomcat website. At the top, there is a navigation bar with the Apache Tomcat logo, the text "Apache Tomcat®", and a link "选择对应的版本". To the right are logos for "SUPPORT APACHE" and "THE APACHE SOFTWARE FOUNDATION". Below the navigation bar is a search bar with "Search..." and a "GO" button. The left sidebar contains several sections: "Apache Tomcat" with links to Home, Taglibs, and Maven Plugin; "Download" with links to Which version?, Tomcat 9, Tomcat 8, Tomcat 7, Tomcat Connectors, Tomcat Native, Taglibs, and Archives; "Documentation" with links to Tomcat 9.0, Tomcat 8.5, Tomcat 7.0, Tomcat Connectors, Tomcat Native, Wiki, Migration Guide, and Presentations; and "Problems?" with links to Security Reports, Find help, FAQ, and Mailing Lists. The main content area has a heading "Apache Tomcat" and a paragraph describing the software. Below this is a section titled "Tomcat 7.0.93 Released" dated "2019-02-21", which includes a list of updates and a link to the "Tomcat 7 changelog". At the bottom is a section titled "Tomcat 9.0.16 Released" dated "2019-02-08", which includes a list of updates. A red arrow points from the "Tomcat 8" link in the Download section to the main content area.

Apache Tomcat® 选择对应的版本

Search... GO

**Apache Tomcat**  
Home  
Taglibs  
Maven Plugin

**Download**  
Which version?  
Tomcat 9  
Tomcat 8  
Tomcat 7  
Tomcat Connectors  
Tomcat Native  
Taglibs  
Archives

**Documentation**  
Tomcat 9.0  
Tomcat 8.5  
Tomcat 7.0  
Tomcat Connectors  
Tomcat Native  
Wiki  
Migration Guide  
Presentations

**Problems?**  
Security Reports  
Find help  
FAQ  
Mailing Lists

**Apache Tomcat**

The Apache Tomcat® software is an open source implementation of the Java Servlet, JavaServer Pages, Java Expression Language and Java WebSocket technologies. The Java Servlet, JavaServer Pages, Java Expression Language and Java WebSocket specifications are developed under the [Java Community Process](#).

The Apache Tomcat software is developed in an open and participatory environment and released under the [Apache License version 2](#). The Apache Tomcat project is intended to be a collaboration of the best-of-breed developers from around the world. We invite you to participate in this open development project. To learn more about getting involved, [click here](#).

Apache Tomcat software powers numerous large-scale, mission-critical web applications across a diverse range of industries and organizations. Some of these users and their stories are listed on the [PoweredBy](#) wiki page.

Apache Tomcat, Tomcat, Apache, the Apache feather, and the Apache Tomcat project logo are trademarks of the Apache Software Foundation.

**Tomcat 7.0.93 Released** 2019-02-21

The Apache Tomcat Project is proud to announce the release of version 7.0.93 of Apache Tomcat. This release contains a number of bug fixes and improvements compared to version 7.0.92.

- Update the packaged version of the Tomcat Native Library to 1.2.21 to pick up the latest Windows binaries built with APR 1.6.5 and OpenSSL 1.1.1a and to pick up the memory leak fixes when using NIO/NIO2 with OpenSSL.

Full details of these changes, and all the other changes, are available in the [Tomcat 7 changelog](#).

[Download](#)

**Tomcat 9.0.16 Released** 2019-02-08

The Apache Tomcat Project is proud to announce the release of version 9.0.16 of Apache Tomcat. The notable changes compared to 9.0.14 include:

- Update the packaged version of the Tomcat Native Library to 1.2.21 to pick up the memory leak fixes when using NIO/NIO2 with OpenSSL.
- Remove extras (JMX remote listener and web services object factories) and merge them back into the core build.
- Correct a regression in the fix for 53737 that did not correctly scan the web application directory structure for JSPs.

## 第二步：下载,并且解压到目标文件夹.

Tomcat 9

Tomcat 8

Tomcat 7

Tomcat Connectors

Tomcat Native

Taglibs

Archives

Documentation

Tomcat 9.0

Tomcat 8.5

Tomcat 7.0

Tomcat Connectors

Tomcat Native

Wiki

Migration Guide

Presentations

Problems?

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Find help

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Bug Database

IRC

Get Involved

Overview

Source code

Buildbot

Tools

Media

Twitter

YouTube

Blog

Misc

Who We Are

Swag

Quick Navigation

[KEYS](#) | [8.5.38](#) | [Browse](#) | [Archives](#)

Release Integrity

You **must** [verify](#) the integrity of the downloaded files. We provide OpenPGP signatures for every release file. This signature should be matched against the [KEYS](#) file which contains the OpenPGP keys of Tomcat's Release Managers. We also provide [SHA-512](#) checksums for every release file. After you download the file, you should calculate a checksum for your download, and make sure it is the same as ours.

Mirrors

You are currently using <http://mirror.bit.edu.cn/apache/>. If you encounter a problem with this mirror, please select another mirror. If all mirrors are failing, there are *backup* mirrors (at the end of the mirrors list) that should be available.


Other mirrors:

8.5.38

Please see the [README](#) file for packaging information. It explains what every distribution contains.

Binary Distributions

- Core:
  - [zip \(pgp, sha512\)](#)
  - [tar.gz \(pgp, sha512\)](#)
  - [32-bit Windows zip \(pgp, sha512\)](#)
  - [64-bit Windows zip \(pgp, sha512\)](#)
  - [32-bit/64-bit Windows Service Installer \(pgp, sha512\)](#)
- Full documentation:
  - [tar.gz \(pgp, sha512\)](#)
- Deployer:
  - [zip \(pgp, sha512\)](#)
  - [tar.gz \(pgp, sha512\)](#)
- Extras:
  - [JMX Remote jar \(pgp, sha512\)](#)
  - [Web services jar \(pgp, sha512\)](#)
- Embedded:
  - [tar.gz \(pgp, sha512\)](#)



根据系统选择对应版本

### 第三步：下载JDK地址

http://www.oracle.com/technetwork/java/javase/downloads/index.html

ORACLE

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Oracle Technology Network > Java > Java SE > Downloads

Java SE

Java EE

Java ME

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Java SE Advanced & Suite

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Java TV


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Java Magazine


Overview Downloads Documentation Community Technologies Training

Java SE Downloads



DOWNLOAD

Java Platform (JDK) 8u121



DOWNLOAD

NetBeans with JDK 8

Java Platform, Standard Edition

Java SE 8u121

Java SE 8u121 includes important security fixes. Oracle strongly recommends that all Java SE 8 users upgrade to this release.  
[Learn more](#)

Important planned change for MD5-signed JARs

Starting with the April Critical Patch Update releases, planned for April 18 2017, all JRE versions will treat JARs signed with MD5 as unsigned. [Learn more and view testing instructions.](#)  
For more information on cryptographic algorithm support, please check the JRE and JDK Crypto Roadmap.

Installation Instructions

Release Notes

Oracle License

Java SE Products

Third Party Licenses

Certified System Configurations

Readme Files

- JDK ReadMe
- JRE ReadMe

JDK

DOWNLOAD

Server JRE

DOWNLOAD

JRE

DOWNLOAD

Which Java package do I need?

- Software Developers:** JDK (Java SE Development Kit). For Java Developers. Includes a complete JRE plus tools for developing, debugging, and monitoring Java applications.

Java SDKs and Tools

Java SE

Java EE and Glassfish

Java ME

Java Card

NetBeans IDE

Java Mission Control

Java Resources

Java APIs

Technical Articles

Demos and Videos

Forums

Java Magazine

Java.net

Developer Training

Tutorials

Java.com

www.java.net



## 第四步:点击java之后, 在第一个框中, 点选Accept License Agreement

Oracle Technology Network > Java > Java SE > Downloads

Sign In/Register Help Country Communities I am a... I want to... Search

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Overview Downloads Documentation Community Technologies Training

### Java SE Development Kit 8 Downloads

Thank you for downloading this release of the Java™ Platform, Standard Edition Development Kit (JDK™). The JDK is a development environment for building applications, applets, and components using the Java programming language.

The JDK includes tools useful for developing and testing programs written in the Java programming language and running on the Java platform.

See also:

- Java Developer Newsletter: From your Oracle account, select **Subscriptions**, expand **Technology**, and subscribe to **Java**.
- Java Developer Day hands-on workshops (free) and other events
- Java Magazine

JDK 8u121 checksum

### Java SE Development Kit 8u121

You must accept the Oracle Binary Code License Agreement for Java SE to download this software.

☒ Accept License Agreement ☐ Decline License Agreement

| Product / File Description  | File Size | Download  |
|-----------------------------|-----------|---|
| Linux ARM 32 Hard Float ABI | 77.86 MB  | <a href="#">jdk-8u121-linux-arm32-vfp-hflt.tar.gz</a> |
| Linux ARM 64 Hard Float ABI | 74.83 MB  | <a href="#">jdk-8u121-linux-arm64-vfp-hflt.tar.gz</a> |
| Linux x86                   | 162.41 MB | <a href="#">jdk-8u121-linux-i586.rpm</a>              |
| Linux x86                   | 177.13 MB | <a href="#">jdk-8u121-linux-i586.tar.gz</a>           |
| Linux x64                   | 159.96 MB | <a href="#">jdk-8u121-linux-x64.rpm</a>               |
| Linux x64                   | 174.76 MB | <a href="#">jdk-8u121-linux-x64.tar.gz</a>            |
| Mac OS X                    | 223.21 MB | <a href="#">jdk-8u121-macosx-x64.dmg</a>              |
| Solaris SPARC 64-bit        | 139.64 MB | <a href="#">jdk-8u121-solaris-sparcv9.tar.Z</a>       |
| Solaris SPARC 64-bit        | 99.07 MB  | <a href="#">jdk-8u121-solaris-sparcv9.tar.gz</a>      |
| Solaris x64                 | 140.42 MB | <a href="#">jdk-8u121-solaris-x64.tar.Z</a>           |
| Solaris x64                 | 96.9 MB   | <a href="#">jdk-8u121-solaris-x64.tar.gz</a>          |
| Windows x86                 | 189.36 MB | <a href="#">jdk-8u121-windows-i586.exe</a>            |
| Windows x64                 | 195.51 MB | <a href="#">jdk-8u121-windows-x64.exe</a>             |

### Java SE Development Kit 8u121 Demos and Samples Downloads

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| Product / File Description  | File Size | Download  |
|-----------------------------|-----------|---|
| Linux ARM 32 Hard Float ABI | 9.92 MB   | <a href="#">jdk-8u121-linux-arm32-vfp-hflt-demos.tar.gz</a> |
| Linux ARM 64 Hard Float ABI | 9.94 MB   | <a href="#">jdk-8u121-linux-arm64-vfp-hflt-demos.tar.gz</a> |
| Linux x86                   | 52.66 MB  | <a href="#">jdk-8u121-linux-i586-demos.rpm</a>              |

Java SDKs and Tools

- [Java SE](#)
- [Java EE and Glassfish](#)
- [Java ME](#)
- [Java Card](#)
- [NetBeans IDE](#)
- [Java Mission Control](#)

Java Resources














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- [Java Magazine](#)
- [Java.net](#)
- [Developer Training](#)
- [Tutorials](#)
- [Java.com](#)

第五步:根据自己的系统选择, x86代表32位, x64代表64位。点击相应的jdk下载。

## Java SE Development Kit 8u121

You must accept the [Oracle Binary Code License Agreement for Java SE](#) to download this software.

Thank you for accepting the Oracle Binary Code License Agreement for Java SE; you may now download this software.

| Product / File Description  | File Size | Download  |
|-----------------------------|-----------|---|
| Linux ARM 32 Hard Float ABI | 77.86 MB  |  <a href="#">jdk-8u121-linux-arm32-vfp-hflt.tar.gz</a> |
| Linux ARM 64 Hard Float ABI | 74.83 MB  |  <a href="#">jdk-8u121-linux-arm64-vfp-hflt.tar.gz</a> |
| Linux x86                   | 162.41 MB |  <a href="#">jdk-8u121-linux-i586.rpm</a>              |
| Linux x86                   | 177.13 MB |  <a href="#">jdk-8u121-linux-i586.tar.gz</a>           |
| Linux x64                   | 159.96 MB |  <a href="#">jdk-8u121-linux-x64.rpm</a>               |
| Linux x64                   | 174.76 MB |  <a href="#">jdk-8u121-linux-x64.tar.gz</a>            |
| Mac OS X                    | 223.21 MB |  <a href="#">jdk-8u121-macosx-x64.dmg</a>              |
| Solaris SPARC 64-bit        | 139.64 MB |  <a href="#">jdk-8u121-solaris-sparcv9.tar.Z</a>     |
| Solaris SPARC 64-bit        | 99.07 MB  |  <a href="#">jdk-8u121-solaris-sparcv9.tar.gz</a>    |
| Solaris x64                 | 140.42 MB |  <a href="#">jdk-8u121-solaris-x64.tar.Z</a>         |
| Solaris x64                 | 96.9 MB   |  <a href="#">jdk-8u121-solaris-x64.tar.gz</a>        |
| Windows x86                 | 189.36 MB |  <a href="#">jdk-8u121-windows-i586.exe</a>          |
| Windows x64                 | 195.51 MB |  <a href="#">jdk-8u121-windows-x64.exe</a>           |

# 第六步:java环境变量配置。

系统

控制面板 > 系统和安全 > 系统

文件(F) 编辑(E) 查看(V) 工具(T) 帮助(H)

控制面板主页

设备管理器

远程设置

系统保护

高级系统设置

查看有关计算机的基本信息

Windows 版本

Windows 10 家庭中文版

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Windows 10

系统属性

计算机名 硬件 高级 系统保护 远程

要进行大多数更改，你必须作为管理员登录。

性能

视觉效果，处理器计划，内存使用，以及虚拟内存

设置(S)...

用户配置文件

与登录帐户相关的桌面设置

设置(E)...

启动和故障恢复

系统启动、系统故障和调试信息

设置(T)...

环境变量(N)...

确定 取消 应用(A)

环境变量

FatCrystal 的用户变量(U)

| 变量       | 值   |
|----------|---|
| OneDrive | C:\Users\DELL\OneDrive                                  |
| Path     | %USERPROFILE%\AppData\Local\Microsoft\WindowsApps;C:... |
| TEMP     | %USERPROFILE%\AppData\Local\Temp                        |
| TMP      | %USERPROFILE%\AppData\Local\Temp                        |

新建(N)... 编辑(E)... 删除(D)

系统变量(S)

| 变量                   | 值   |
|----------------------|---|
| classpath            | C:\Program Files\Java\jdk1.8.0_121\jre\lib\rt.jar               |
| ComSpec              | C:\Windows\system32\cmd.exe                                     |
| MSMPI_BIN            | C:\Program Files\Microsoft MPI\Bin\                             |
| NUMBER_OF_PROCESSORS | 4   |
| OS                   | Windows_NT  |
| path                 | C:\Program Files\Microsoft MPI\Bin\;C:\Program Files\Java\jd... |
| PATHEXT              | .COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;.JSE;.WSF;.WSH;.MSC           |

新建(W)... 编辑(I)... 删除(L)

确定 取消



### 第七步:继续配置!!!

系统变量中（第二个框是系统变量）有path和classpath这两个变量，方法是：

点击新建，变量名：path，变量值：刚刚JDK的安装路径，例如我的：C:\Program Files\Java\jdk1.8.0\_121\bin。

继续新建，变量名：classpath，变量值:C:\Program Files\Java\jdk1.8.0\_121\jre\lib\rt.jar

新建系统变量

变量名(N): path

变量值(V): C:\Program Files\Java\jdk1.8.0\_121\bin

浏览目录(D)... 浏览文件(F)... 确定 取消

## 第八步:测试是否安装成功,打开DOS命令

(开始菜单右键, 运行: CMD) 输入javac, 显示如下图一样就可以了。



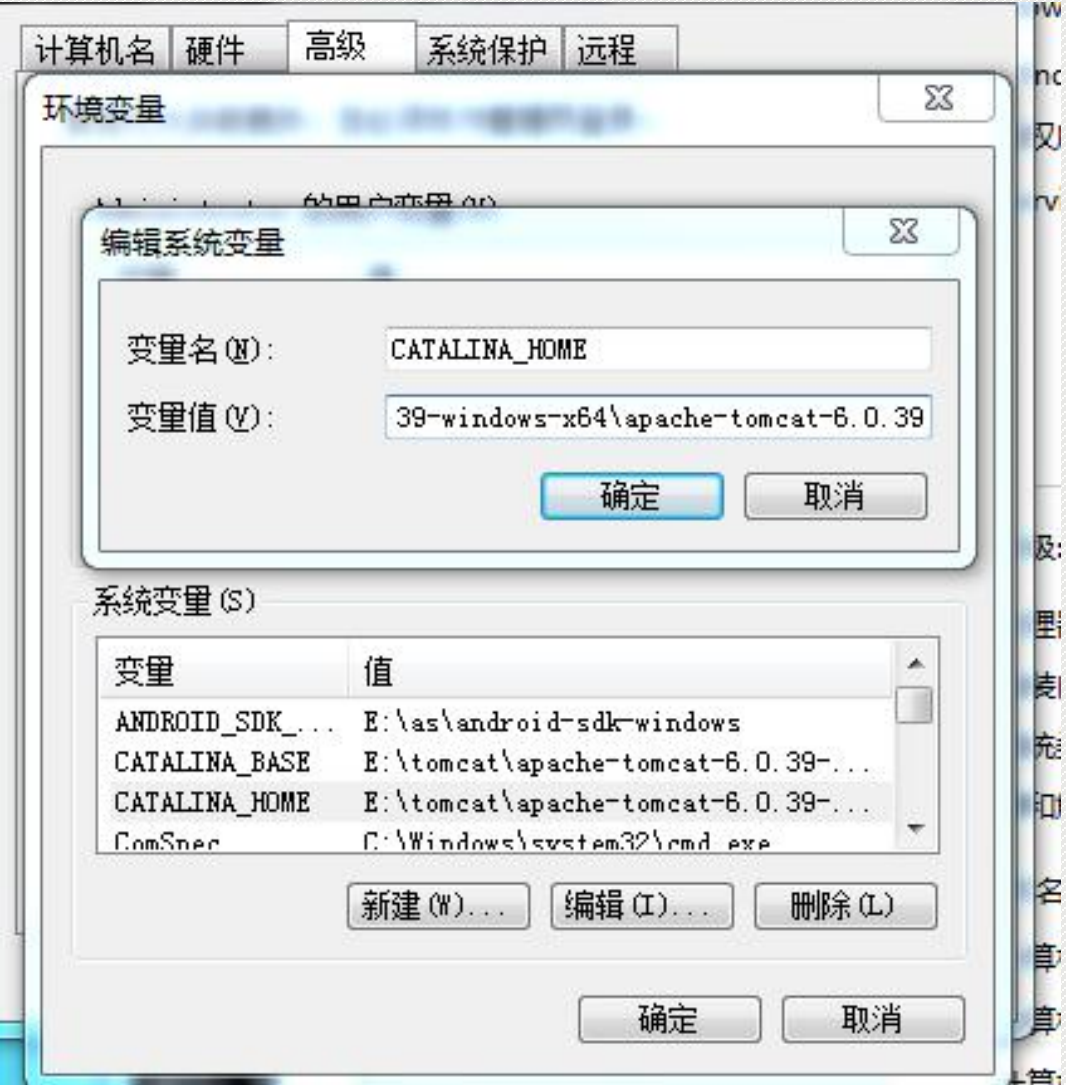
```
C:\Windows\system32\CMD.exe
Microsoft Windows [版本 10.0.14393]
(c) 2016 Microsoft Corporation。保留所有权利。

C:\Users\DELL>javac
用法: javac <options> <source files>
其中, 可能的选项包括:
-g 生成所有调试信息
-g:none 不生成任何调试信息
-g:{lines, vars, source} 只生成某些调试信息
-nowarn 不生成任何警告
-verbose 输出有关编译器正在执行的操作的消息
-deprecation 输出使用已过时的 API 的源位置
-classpath <路径> 指定查找用户类文件和注释处理程序的位置
-cp <路径> 指定查找用户类文件和注释处理程序的位置
-sourcepath <路径> 指定查找输入源文件的位置
-bootclasspath <路径> 覆盖引导类文件的位置
-extdirs <目录> 覆盖所安装扩展的位置
-endorseddirs <目录> 覆盖签名的标准路径的位置
-proc:{none, only} 控制是否执行注释处理和/或编译。
-processor <class1>[, <class2>, <class3>...] 要运行的注释处理程序的名称: 绕过默认搜索进程
-processorpath <路径> 指定查找注释处理程序的位置
-parameters 生成元数据以用于方法参数的反射
-d <目录> 指定放置生成的类文件的位置
-s <目录> 指定放置生成的源文件的位置
-h <目录> 指定放置生成的本机标头文件的位置
-implicit:{none, class} 指定是否为隐式引用文件生成类文件
-encoding <编码> 指定源文件使用的字符编码
-source <发行版> 提供与指定发行版的源兼容性
-target <发行版> 生成特定 VM 版本的类文件
-profile <配置文件> 请确保使用的 API 在指定的配置文件中可用
```

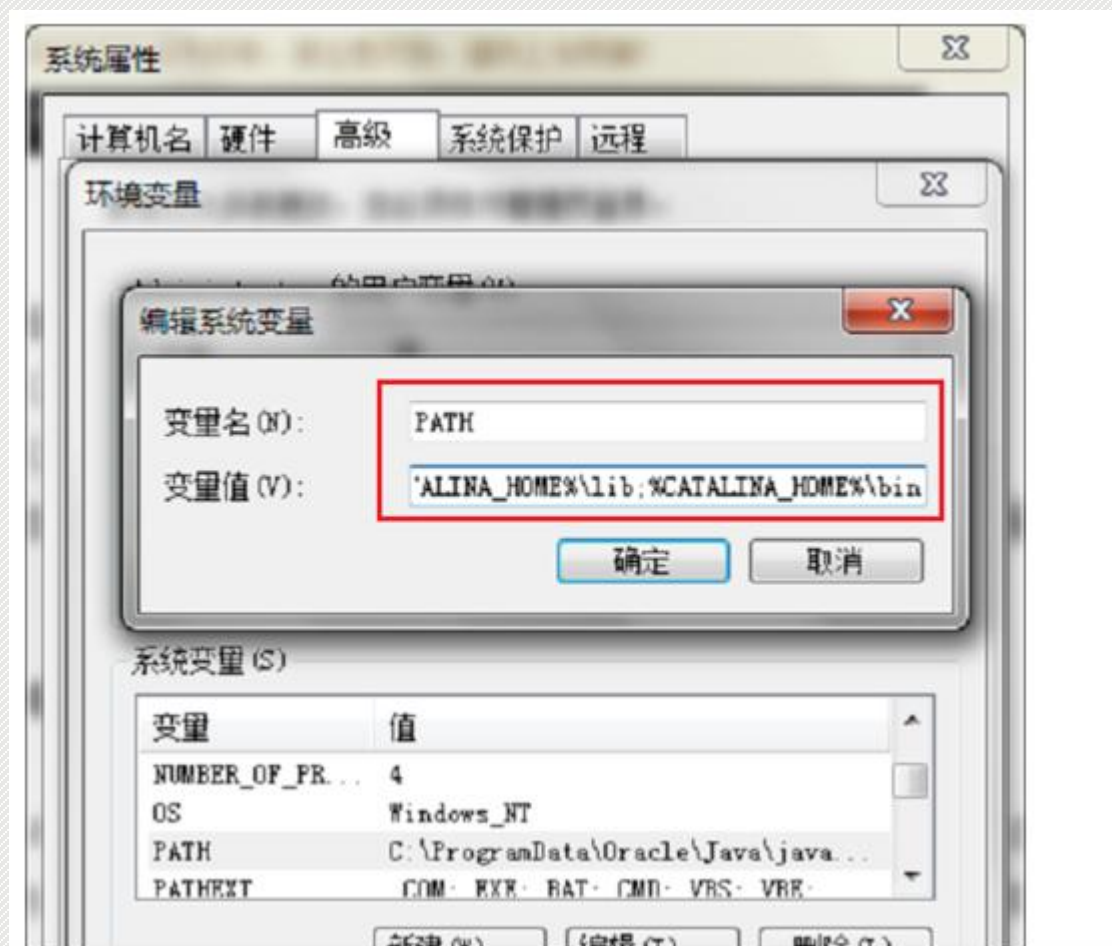
第九步:开始配置tomcat的环境变量，新建系统变量名CATALINA\_BASE，值tomcat的安装路径，如下图所示：



第十步:新建系统变量CATALINA\_HOME, 值tomcat的安装路径, 如下图所示:

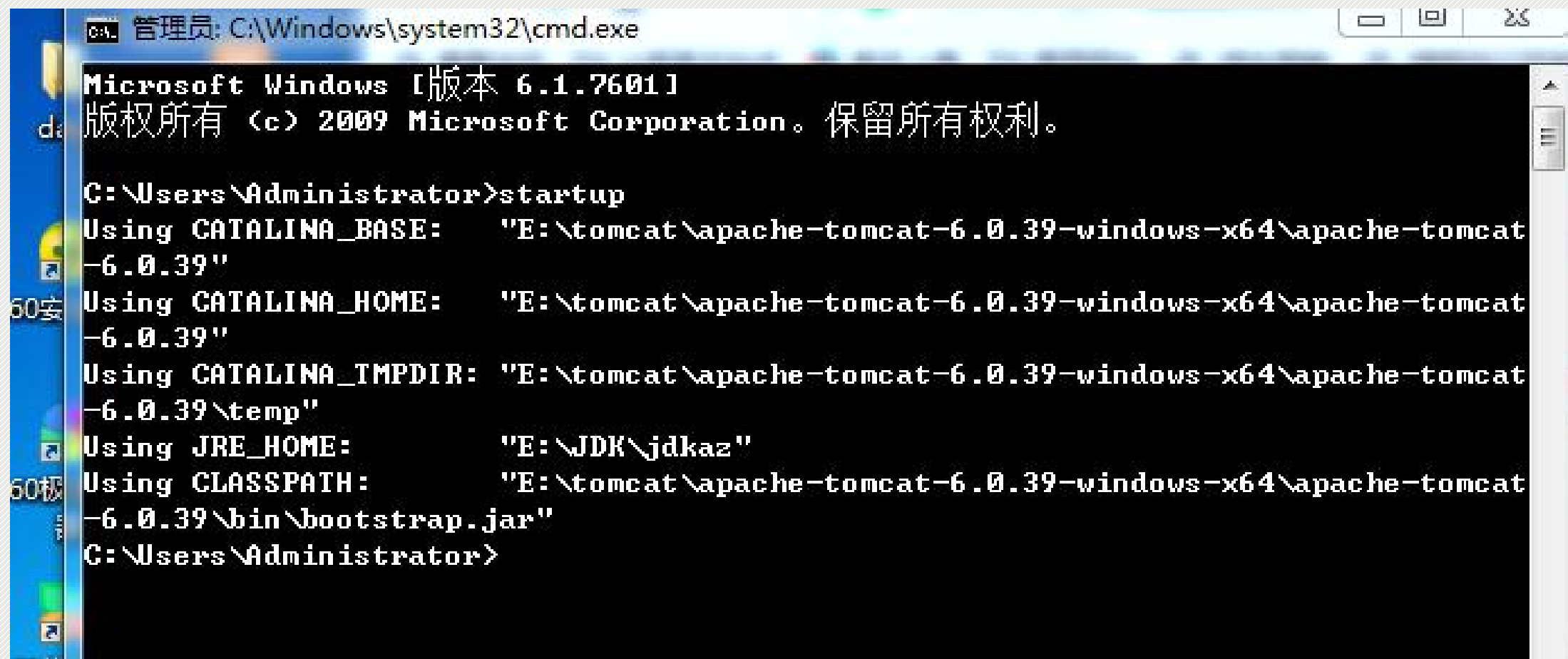


第十一步:找到系统变量path, 在值里面添加  
"%CATALINA\_HOME%\lib;%CATALINA\_HOME%\bin", 如下图所示:





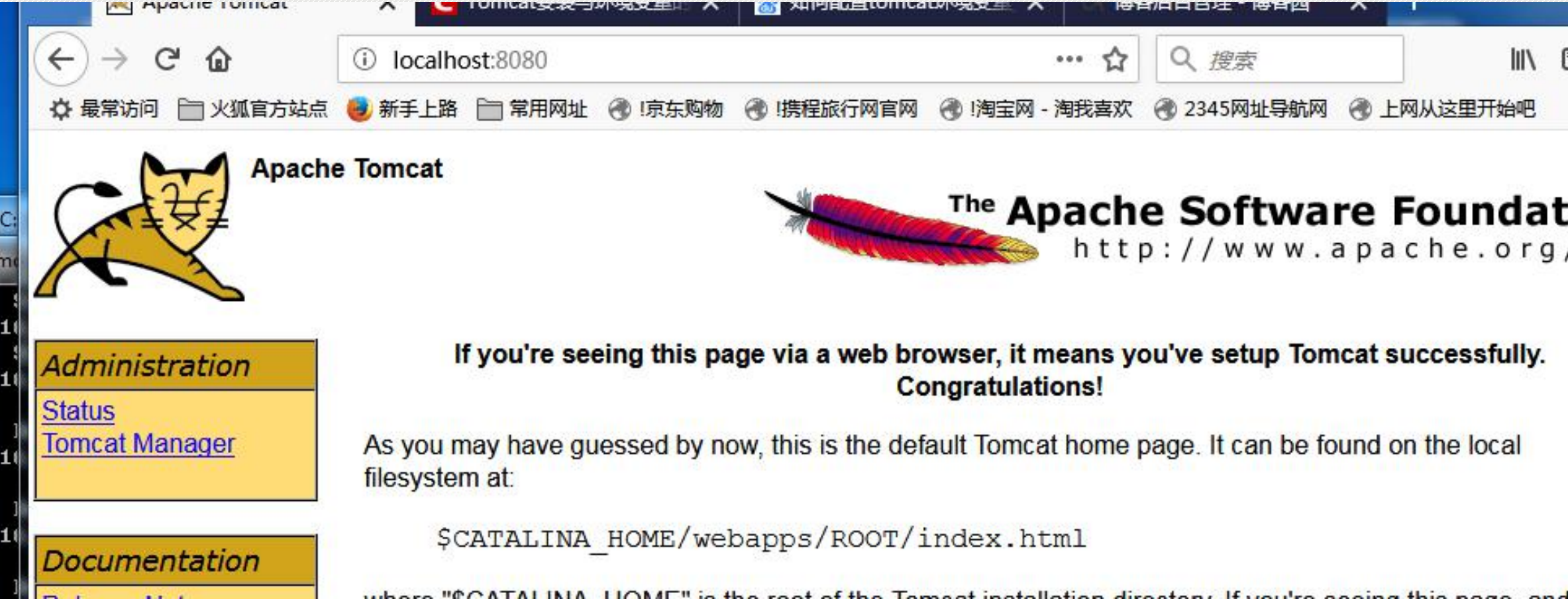
第十二步:点击确定, 保存系统变量的配置之后, 按win+R键打开运行, 输入cmd, 点击确定, 在命令行中输入“startup”, 启动tomcat服务, 启动成功代表环境变量配置成功, 如下图所示: :



```
管理员: C:\Windows\system32\cmd.exe
Microsoft Windows [版本 6.1.7601]
版权所有 (c) 2009 Microsoft Corporation。保留所有权利。

C:\Users\Administrator>startup
Using CATALINA_BASE:   "E:\tomcat\apache-tomcat-6.0.39-windows-x64\apache-tomcat-6.0.39"
Using CATALINA_HOME:   "E:\tomcat\apache-tomcat-6.0.39-windows-x64\apache-tomcat-6.0.39"
Using CATALINA_TMPDIR: "E:\tomcat\apache-tomcat-6.0.39-windows-x64\apache-tomcat-6.0.39\temp"
Using JRE_HOME:        "E:\JDK\jdkaz"
Using CLASSPATH:       "E:\tomcat\apache-tomcat-6.0.39-windows-x64\apache-tomcat-6.0.39\bin\bootstrap.jar"
C:\Users\Administrator>
```

第十三步:我们在浏览器中输入“localhost:8080”，出现如下界面，代表tomcat环境搭建成功，如下图所示：



# Tomcat搞定

[www.sixstarededu.com](http://www.sixstarededu.com)