

MacOS环境

本文档环境基于 macOS Big Sur 11.2

本文档使用的软件版本为 推荐版本

Git

macOS 中自带 git

Node.js 最新LTS版本

打开 <https://nodejs.org/en/>，直接下载最新的LTS版本，按提示完成安装即可

Node.js® is a JavaScript runtime built on Chrome's V8 JavaScript engine.

#BlackLivesMatter

The 2021 Node.js User Survey is open now

Download for macOS (x64)

14.15.4 LTS

Recommended For Most Users

15.7.0 Current

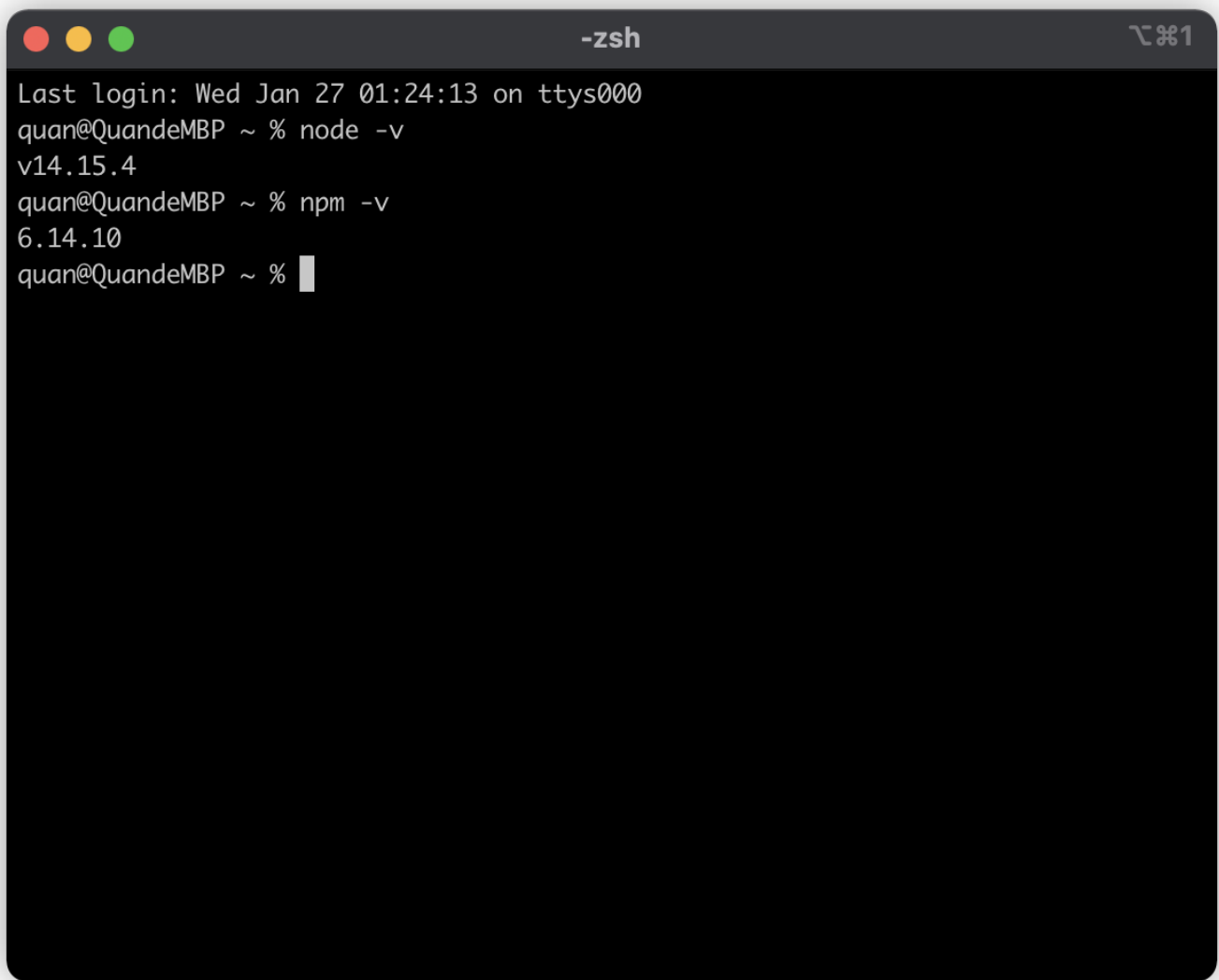
Latest Features

[Other Downloads](#) | [Changelog](#) | [API Docs](#) [Other Downloads](#) | [Changelog](#) | [API Docs](#)

Or have a look at the [Long Term Support \(LTS\) schedule](#).

打开命令依次输入如下命令查看安装信息

```
node -v
npm -v
```

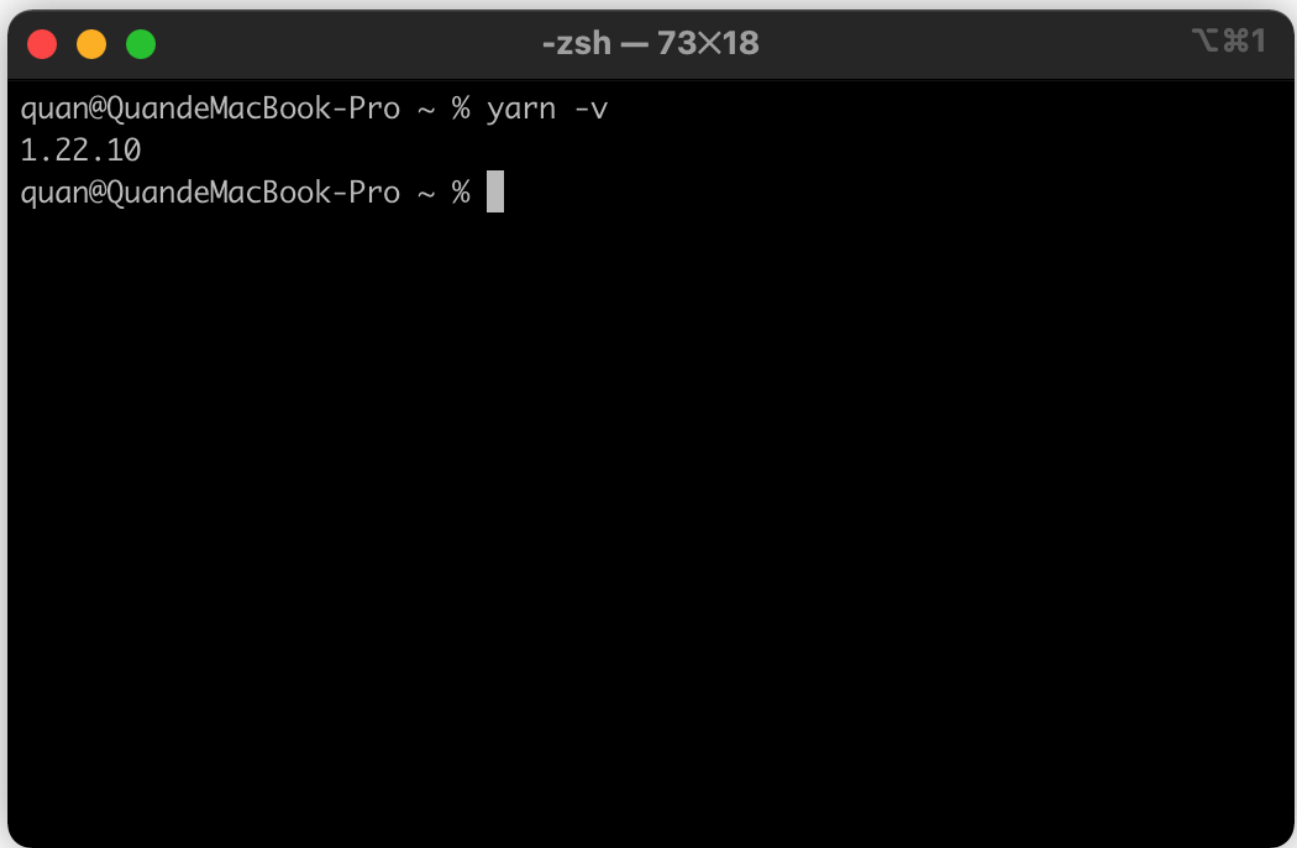
A terminal window with a dark background and light gray text. The window title bar shows three colored circles (red, yellow, green) on the left, '-zsh' in the center, and a zoom icon and '1' on the right. The terminal content shows the last login time, the user 'quan' at 'QuandeMBP', and the output of 'node -v' and 'npm -v' commands. The prompt 'quan@QuandeMBP ~ %' is followed by a cursor.

```
Last login: Wed Jan 27 01:24:13 on ttys000
quan@QuandeMBP ~ % node -v
v14.15.4
quan@QuandeMBP ~ % npm -v
6.14.10
quan@QuandeMBP ~ %
```

Yarn

首先安装 `Node.js` ,然后在命令行输入 `npm install --global yarn` , 回车即可安装。

[查看安装信息](#)

A terminal window titled "-zsh — 73x18" with a magnifying glass icon and the number "1". The window shows the command "yarn -v" being executed, resulting in the output "1.22.10". The prompt "quan@QuandeMacBook-Pro ~ %" is visible before and after the command.

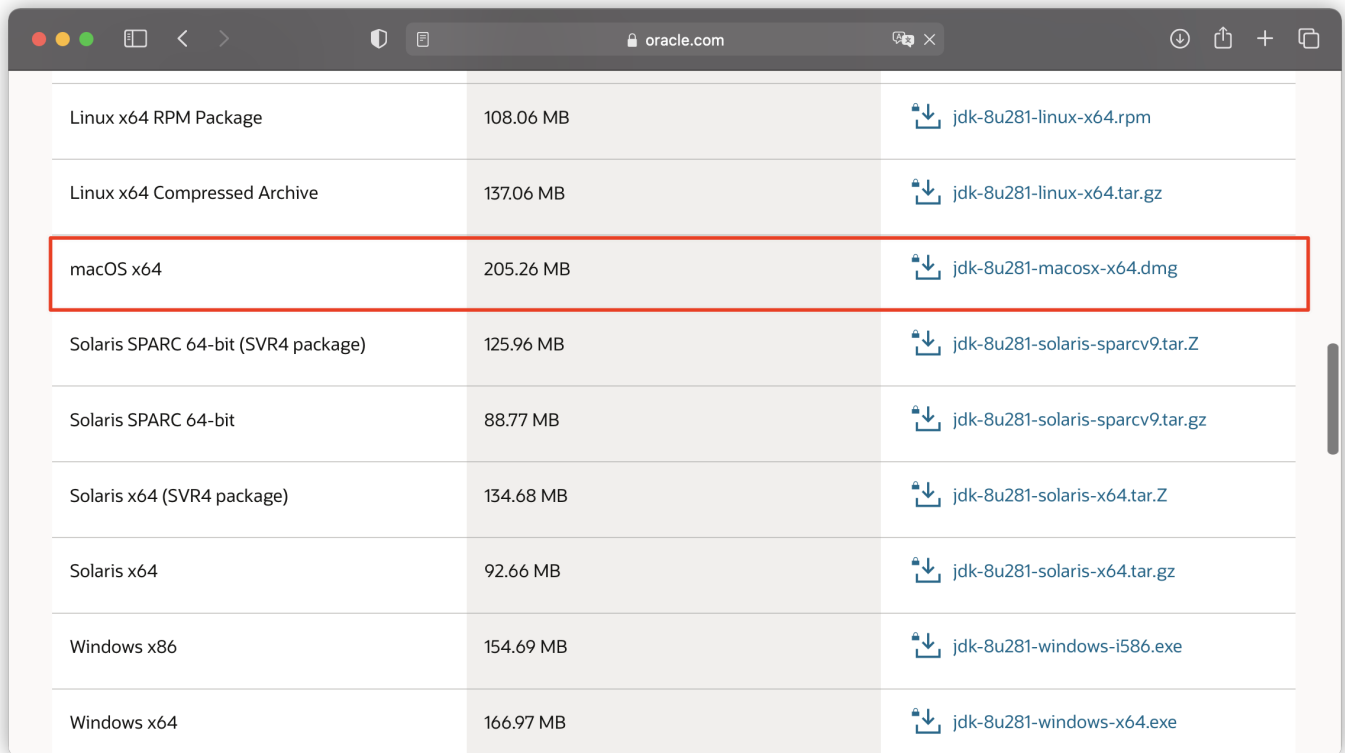
```
-zsh — 73x18
quan@QuandeMacBook-Pro ~ % yarn -v
1.22.10
quan@QuandeMacBook-Pro ~ %
```










JDK 1.8.x

JAVA版本开发环境

下载并安装

打开 <https://www.oracle.com/java/technologies/javase/javase-jdk8-downloads.html> , 选择 macOS x64 版本下载并安装



Linux x64 RPM Package	108.06 MB	 jdk-8u281-linux-x64.rpm
Linux x64 Compressed Archive	137.06 MB	 jdk-8u281-linux-x64.tar.gz
macOS x64	205.26 MB	 jdk-8u281-macosx-x64.dmg
Solaris SPARC 64-bit (SVR4 package)	125.96 MB	 jdk-8u281-solaris-sparcv9.tar.Z
Solaris SPARC 64-bit	88.77 MB	 jdk-8u281-solaris-sparcv9.tar.gz
Solaris x64 (SVR4 package)	134.68 MB	 jdk-8u281-solaris-x64.tar.Z
Solaris x64	92.66 MB	 jdk-8u281-solaris-x64.tar.gz
Windows x86	154.69 MB	 jdk-8u281-windows-i586.exe
Windows x64	166.97 MB	 jdk-8u281-windows-x64.exe

环境变量配置

- 打开终端，输入 `sudo vim ~/.bash_profile` ，

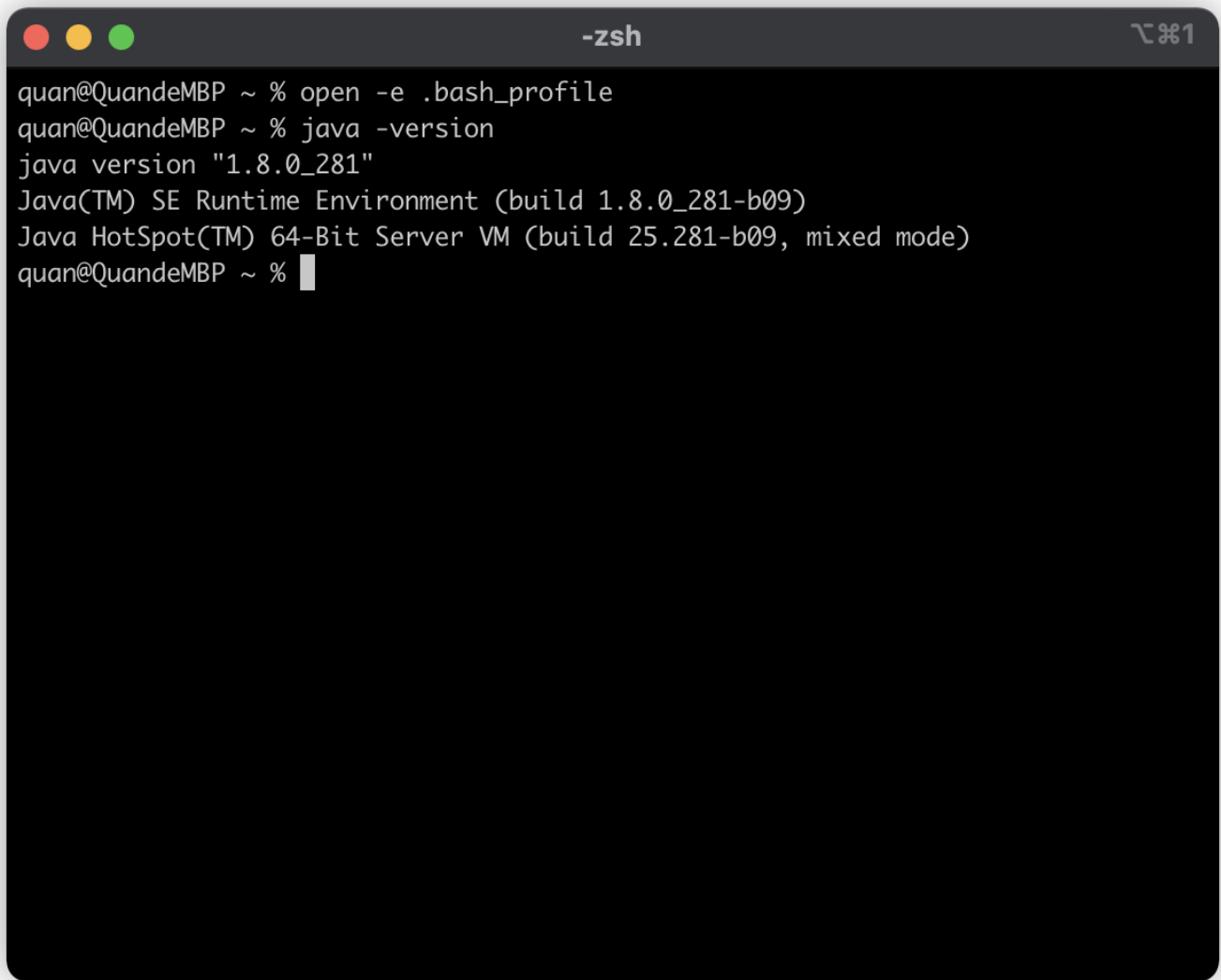
添加以下配置（键盘输入 `i` 切换到编辑状态）

```
export JAVA_HOME=/Library/Java/JavaVirtualMachines/jdk1.8.0_281.jdk/Contents/Home
export PATH=$JAVA_HOME/bin:$PATH:.
export CLASSPATH=$JAVA_HOME/lib/tools.jar:$JAVA_HOME/lib/dt.jar:.
```

- 输入如下命令使配置生效

```
source ~/.bash_profile
```

- 重新打开一个终端，输入 `java -version` 查看安装信息

A terminal window titled "-zsh" with standard macOS window controls (red, yellow, green buttons) in the top-left corner. The terminal shows the following commands and output:

```
quan@QuandeMBP ~ % open -e .bash_profile
quan@QuandeMBP ~ % java -version
java version "1.8.0_281"
Java(TM) SE Runtime Environment (build 1.8.0_281-b09)
Java HotSpot(TM) 64-Bit Server VM (build 25.281-b09, mixed mode)
quan@QuandeMBP ~ %
```

Maven 3.6.3

JAVA版本开发环境

下载并解压

打开 <http://maven.apache.org/download.cgi> ，下载 `apache-maven-3.6.3-bin.zip` 并解压

Files

Maven is distributed in several formats for your convenience. Simply pick a ready-made binary distribution archive and follow the [install](#) instructions. In order to guard against corrupted downloads/installations, it is highly recommended to [verify the signature](#) of the release bundles against the [checksums](#).

	Link	Checksums
Binary tar.gz archive	apache-maven-3.6.3-bin.tar.gz	apache-maven-3.6.3-bin.tar.gz.sha512
Binary zip archive	apache-maven-3.6.3-bin.zip	apache-maven-3.6.3-bin.zip.sha512
Source tar.gz archive	apache-maven-3.6.3-src.tar.gz	apache-maven-3.6.3-src.tar.gz.sha512
Source zip archive	apache-maven-3.6.3-src.zip	apache-maven-3.6.3-src.zip.sha512

- [Release Notes](#)

配置环境变量

- 打开终端，输入 `sudo vim ~/.bash_profile`

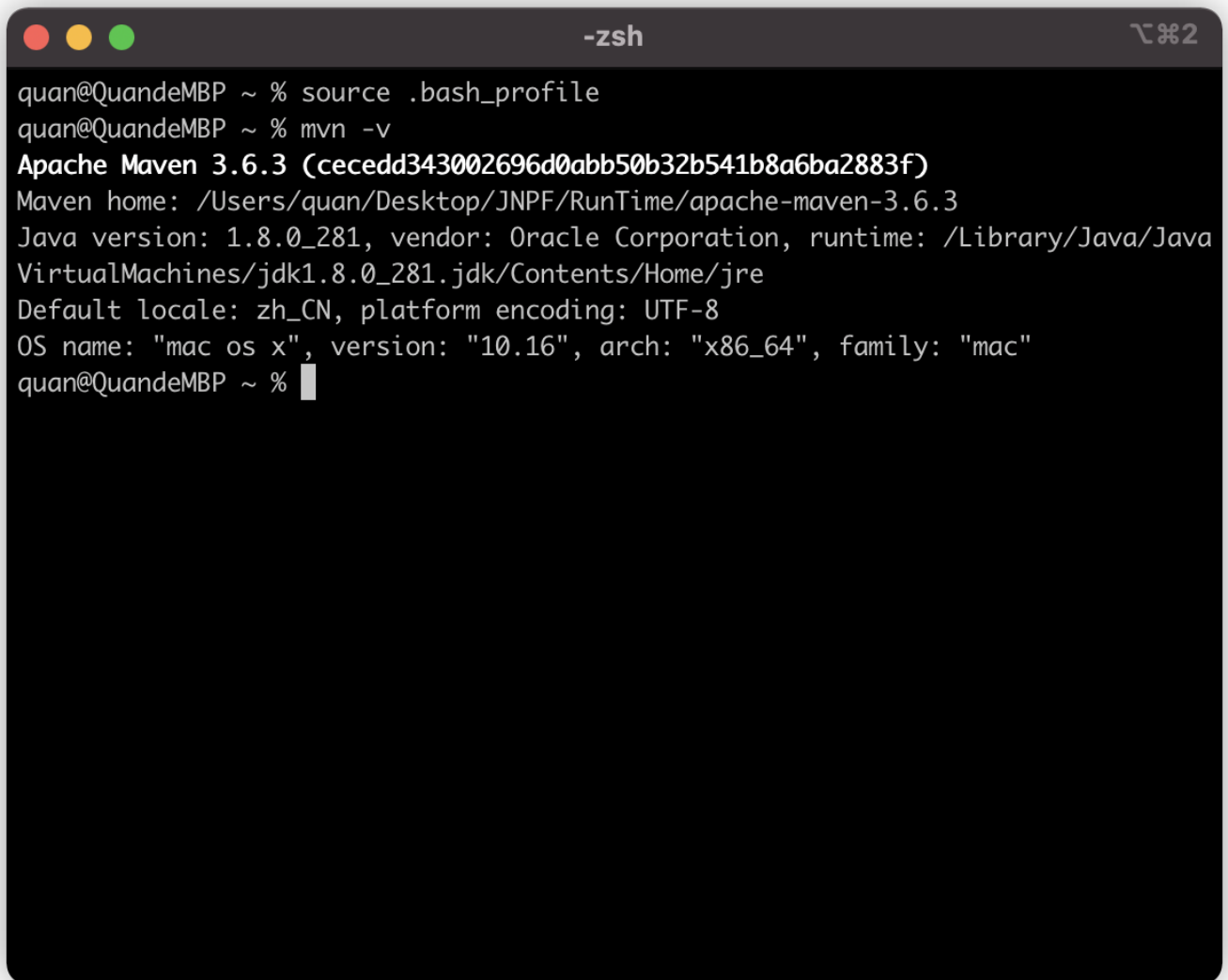
添加以下配置（键盘输入 `i` 切换到编辑状态）

```
export MAVEN_HOME=/Users/quan/Desktop/JNPF/Runtime/apache-maven-3.6.3
export PATH=$PATH:$MAVEN_HOME/bin
```

- 点击 `esc` 按钮退出编辑模式，输入 `:wq` 保存退出。
- 输入如下命令使配置生效

```
source ~/.bash_profile
```

- 重新打开一个终端，输入 `mvn -v` 查看安装信息

A terminal window titled "-zsh" with standard macOS window controls (red, yellow, green buttons) in the top-left corner. The terminal shows the execution of 'source .bash_profile' and 'mvn -v'. The output displays 'Apache Maven 3.6.3' with a long hash, followed by details about the Maven home directory, Java version (1.8.0_281), vendor (Oracle Corporation), runtime path, default locale (zh_CN), platform encoding (UTF-8), and OS information (mac os x, version 10.16, arch x86_64, family mac). The prompt 'quan@QuandeMBP ~ %' is visible at the end of the output.

```
quan@QuandeMBP ~ % source .bash_profile
quan@QuandeMBP ~ % mvn -v
Apache Maven 3.6.3 (cecedd343002696d0abb50b32b541b8a6ba2883f)
Maven home: /Users/quan/Desktop/JNPF/RunTime/apache-maven-3.6.3
Java version: 1.8.0_281, vendor: Oracle Corporation, runtime: /Library/Java/Java
VirtualMachines/jdk1.8.0_281.jdk/Contents/Home/jre
Default locale: zh_CN, platform encoding: UTF-8
OS name: "mac os x", version: "10.16", arch: "x86_64", family: "mac"
quan@QuandeMBP ~ %
```

Redis 6.0.x

下载并解压

打开 <https://redis.io/download> ，下载 6.0 版本

Unstable

This is where all the development happens. Only for hard-core hackers. Use only if you need to test the latest features or performance improvements. This is going to be the next Redis release in a few months.



Download
unstable

Pre-release (6.2)

Redis 6.2 includes many new commands and improvements, but no big features. It mainly makes Redis more complete and addresses issues that have been requested by many users frequently or for a long time.



Release
notes



Download
6.2-rc2

Stable (6.0)

Redis 6.0 introduces SSL, the new RESP3 protocol, ACLs, client side caching, diskless replicas, I/O threads, faster RDB loading, new modules APIs and many more improvements.



Release
notes



Download
6.0.10

编译测试

```
sudo make test
```

编译安装

```
sudo make install
```

启动Redis

```
redis-server
```

如显示以下界面说明安装成功


```
redis-server\*:6379

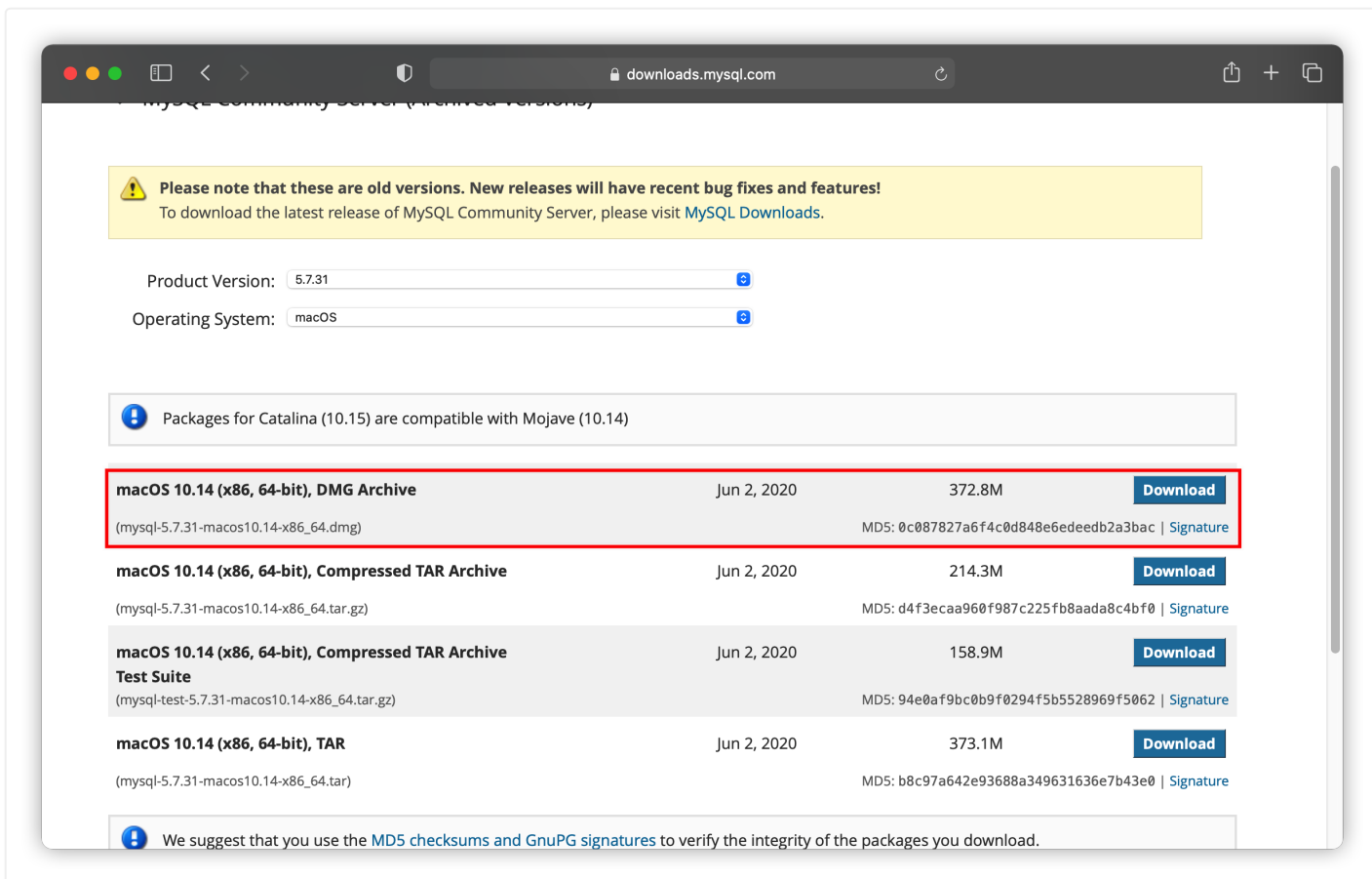
Redis 6.0.10 (00000000/0) 64 bit
Running in standalone mode
Port: 6379
PID: 3038

http://redis.io

3038:M 05 Feb 2021 01:40:47.337 # Server initialized
3038:M 05 Feb 2021 01:40:47.338 * Loading RDB produced by version 6.0.10
3038:M 05 Feb 2021 01:40:47.338 * RDB age 533571 seconds
3038:M 05 Feb 2021 01:40:47.338 * RDB memory usage when created 0.96 Mb
3038:M 05 Feb 2021 01:40:47.338 * DB loaded from disk: 0.001 seconds
3038:M 05 Feb 2021 01:40:47.338 * Ready to accept connections
```

MySQL 5.7.x

打开 <https://downloads.mysql.com/archives/community/> ,下载并安装



SQLServer 2017

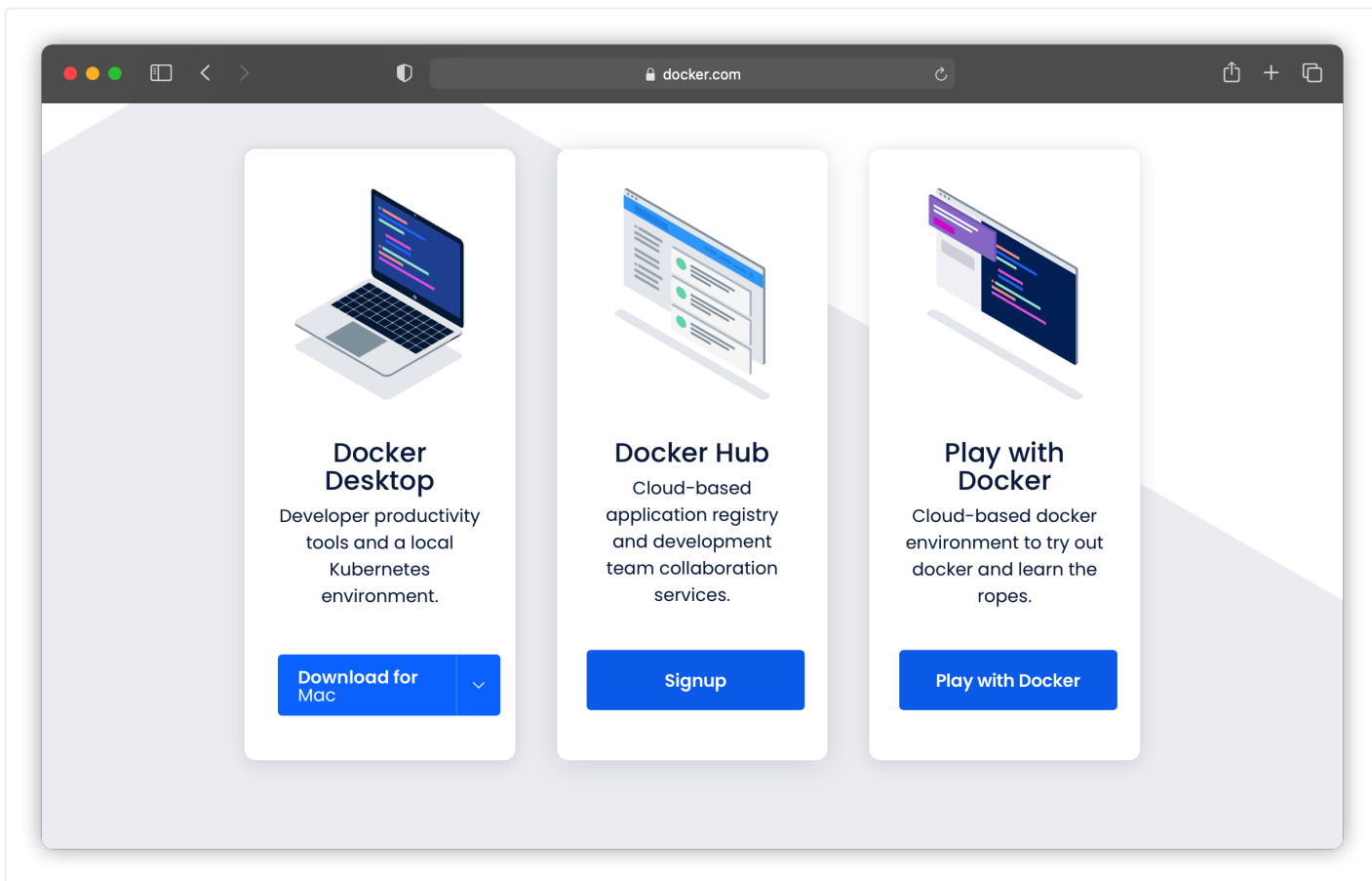
macOS 中无法直接安装 SQLServer ，但可以通过 Docker 来安装

安装 Docker

- 方式一：使用 Homebrew 安装

```
brew install --cask --appdir=/Applications docker
```

- 方式二：打开 <https://www.docker.com/get-started> , 下载 Docker Desktop 并安装



安装 SQLServer

```
docker pull mcr.microsoft.com/mssql/server:2017-latest
```

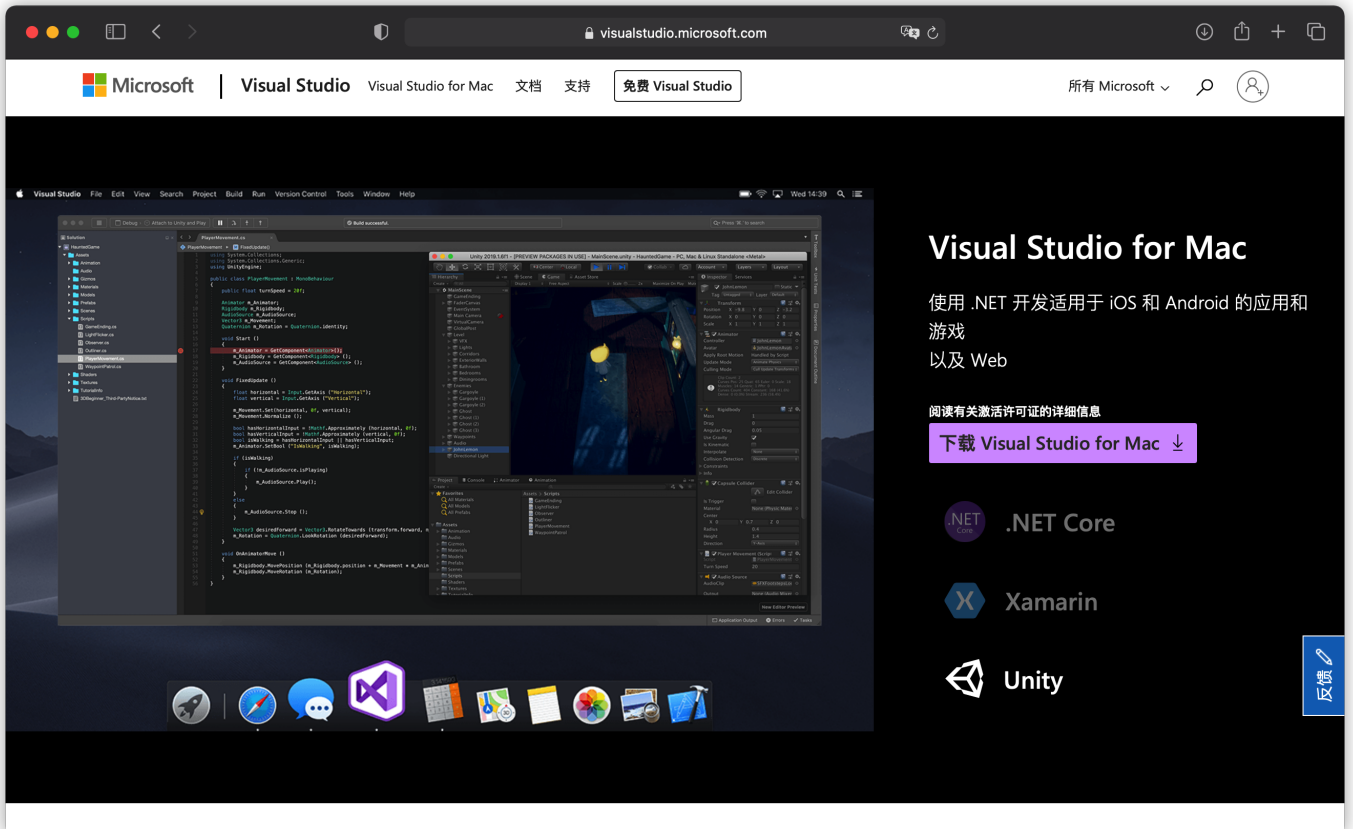
运行 SQLServer

```
docker run -e 'ACCEPT_EULA=Y' -e 'SA_PASSWORD=密码' -p 1433:1433 -d mcr.microsoft.com/mssql/server:2017-latest
```

Visual Studio for Mac

.NET Core版本开发环境

- 打开 <https://visualstudio.microsoft.com/zh-hans/vs/mac/> , 下载 Visual Studio for Mac

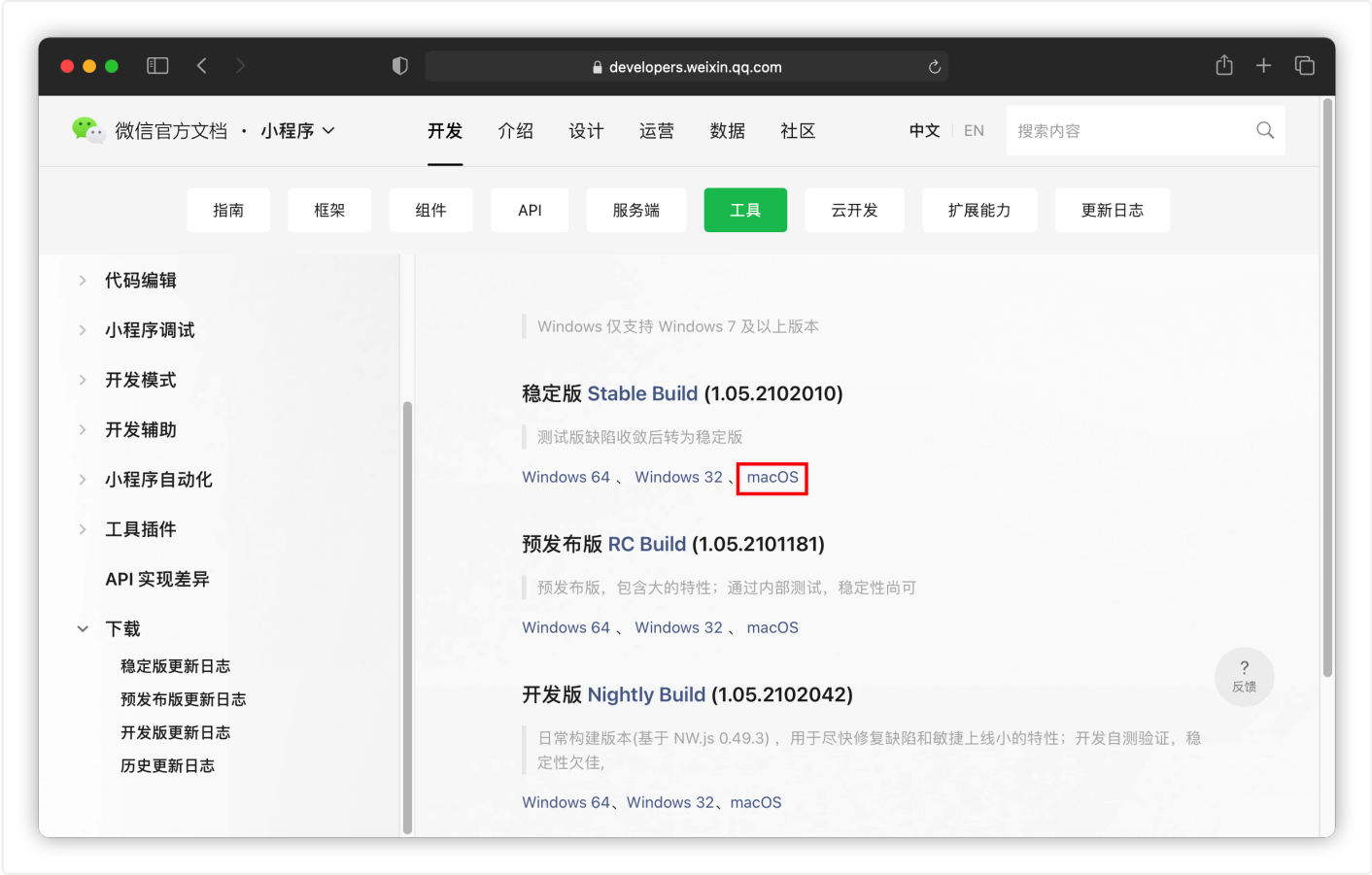


- 选择 .NET Core 并安装



安装小程序开发者工具

打开 <https://developers.weixin.qq.com/miniprogram/dev/devtools/download.html> ,下载安装 微信小程序开发者工具



安装移动端开发工具

打开 <https://www.dcloud.io/hbuilderx.html> ,下载安装 HBuilder X （移动端开发工具）

