

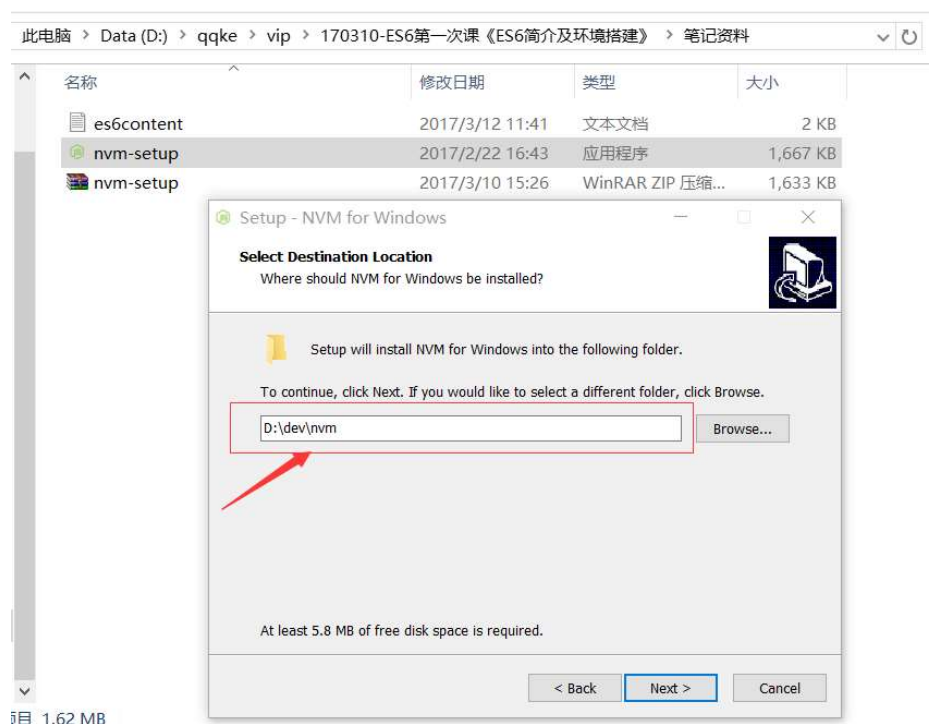
## Node.js 安装步骤

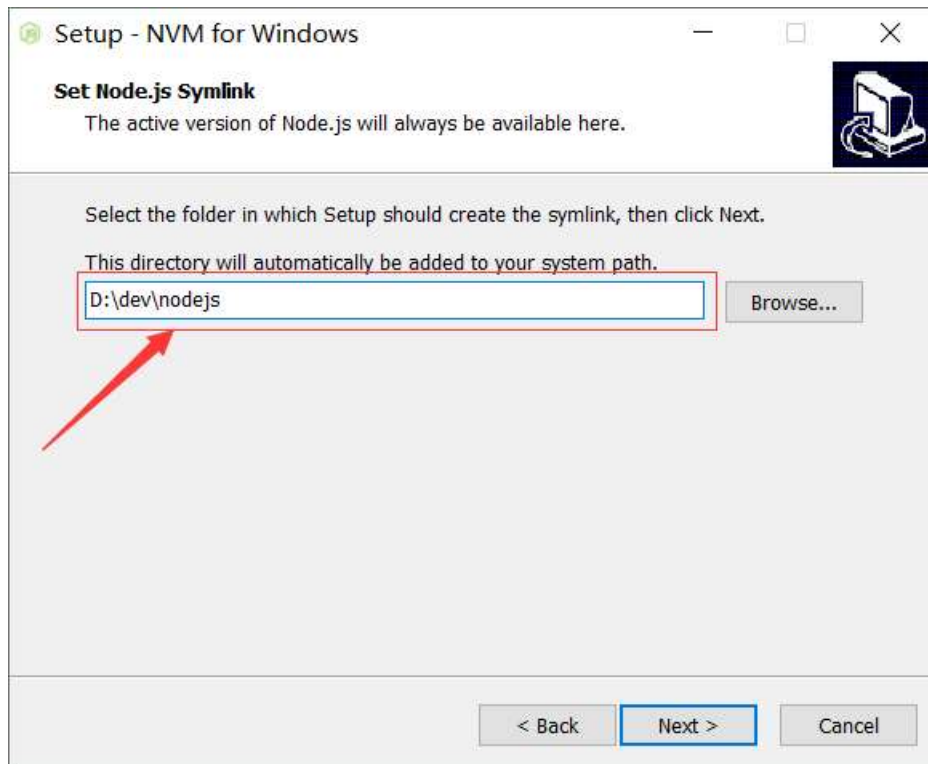
### nvm (Node.js 版本管理工具) 安装

注意：之前安装过 Node.js 的先卸载。

Windows 操作系统的 nvm 下载地址 <https://github.com/coreybutler/nvm-windows/releases>

### 安装过程





## 检查结果

```
C:\Users\Song>set | findstr "nvm"
NVM_HOME=D:\dev\nvm
Path=C:\Program Files (x86)\Intel\iCLS Client\;C:\Program Files\Intel\iCLS Client\;C:\Windows\system32;C:\Windows;C:\Win
dows\System32\Wbem;C:\Windows\System32\WindowsPowerShell\v1.0\;C:\Program Files (x86)\Intel\Intel(R) Management Engine C
omponents\DAL;C:\Program Files\Intel\Intel(R) Management Engine Components\DAL;C:\Program Files (x86)\Intel\Intel(R) Man
agement Engine Components\IPT;C:\Program Files\Intel\Intel(R) Management Engine Components\IPT;C:\Program Files (x86)\NV
IDIA Corporation\PhysX\Common;C:\Program Files\Git\cmd;%NVM_HOME%;%NVM_SYMLINK%;C:\Users\Song\AppData\Local\Microsoft\Wi
ndowsApps;C:\Users\Song\AppData\Local\atom\bin;D:\dev\nvm;D:\dev\nodejs
```

cmd 运行 `nvm -h` 出现如下图所示表示 nvm 安装成功

```
命令提示符
C:\Users\Song>nvm -h
Running version 1.1.2.
Usage:
  nvm arch                    : Show if node is running in 32 or 64 bit mode.
  nvm install <version> [arch] : The version can be a node.js version or "latest" for the latest stable version.
                                Optionally specify whether to install the 32 or 64 bit version (defaults to system arch
                                ).
                                Set [arch] to "all" to install 32 AND 64 bit versions.
                                Add --insecure to the end of this command to bypass SSL validation of the remote downlo
                                ad server.
  nvm list [available]       : List the node.js installations. Type "available" at the end to see what can be installe
                                d. Aliased as ls.
  nvm on                     : Enable node.js version management.
  nvm off                    : Disable node.js version management.
  nvm proxy [url]            : Set a proxy to use for downloads. Leave [url] blank to see the current proxy.
                                Set [url] to "none" to remove the proxy.
  nvm node_mirror [url]     : Set the node mirror. Defaults to https://nodejs.org/dist/. Leave [url] blank to use def
                                ault url.
  nvm npm_mirror [url]      : Set the npm mirror. Defaults to https://github.com/npm/npm/archive/. Leave [url] blank
                                to default url.
  nvm uninstall <version>    : The version must be a specific version.
  nvm use [version] [arch]   : Switch to use the specified version. Optionally specify 32/64bit architecture.
                                nvm use <arch> will continue using the selected version, but switch to 32/64 bit mode.
  nvm root [path]           : Set the directory where nvm should store different versions of node.js.
                                If <path> is not set, the current root will be displayed.
  nvm version                : Displays the current running version of nvm for Windows. Aliased as v.
```

## nvm 配置淘宝镜像（下载更快）

### 修改 D:\dev\nvm\settings.txt

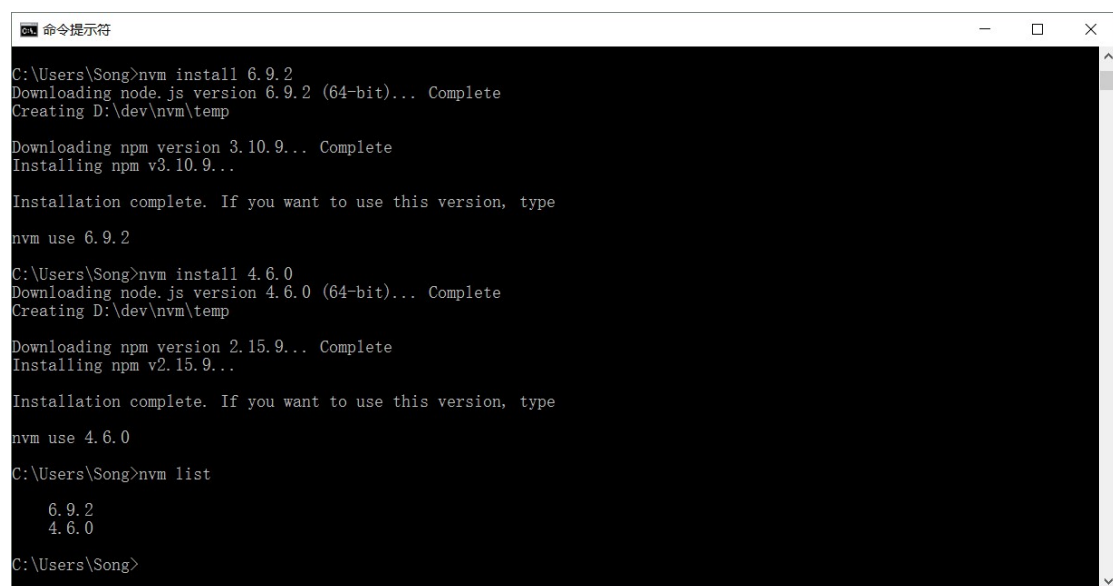
```
root: D:\dev\nvm
path: D:\dev\nodejs
node_mirror: http://npm.taobao.org/mirrors/node/
npm_mirror: https://npm.taobao.org/mirrors/npm/
```

### 通过 nvm 安装某版本的 nodejs 集 (node、npm (nodejs 包管理工具))

64 位系统: CMD 运行 nvm install 6.9.2  
32 位系统: CMD 运行 nvm install 6.9.2 32

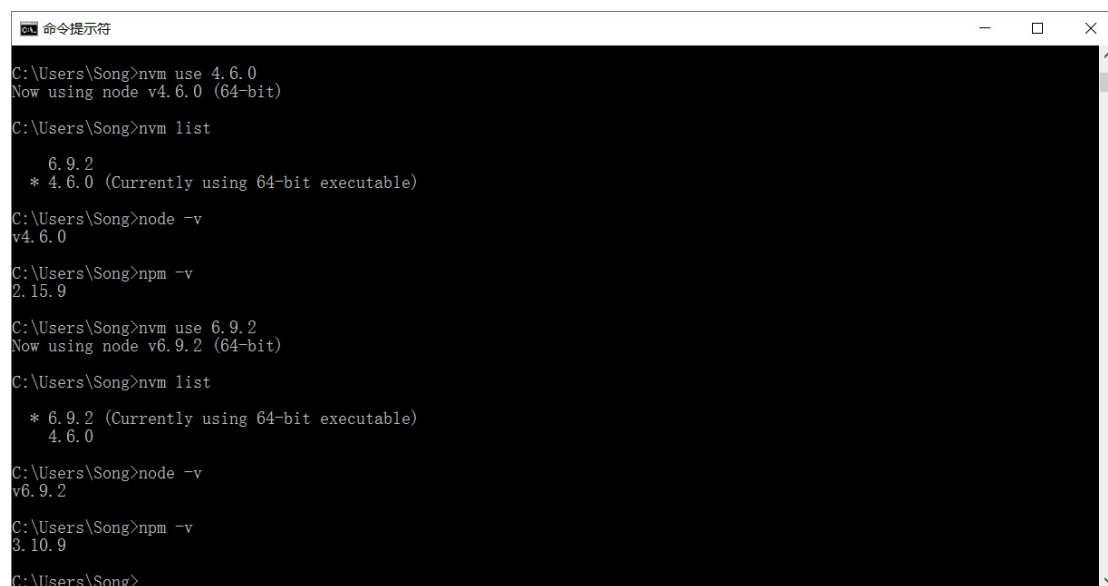
注意: 其中 6.9.2 表示安装 node 版本为 6.9.2, 这里 npm 是包含在 node 中的不需要单独安装

### 安装 6.9.2 和 4.6.0 如图所示



```
命令提示符
C:\Users\Song>nvm install 6.9.2
Downloading node.js version 6.9.2 (64-bit)... Complete
Creating D:\dev\nvm\temp
Downloading npm version 3.10.9... Complete
Installing npm v3.10.9...
Installation complete. If you want to use this version, type
nvm use 6.9.2
C:\Users\Song>nvm install 4.6.0
Downloading node.js version 4.6.0 (64-bit)... Complete
Creating D:\dev\nvm\temp
Downloading npm version 2.15.9... Complete
Installing npm v2.15.9...
Installation complete. If you want to use this version, type
nvm use 4.6.0
C:\Users\Song>nvm list
  6.9.2
  4.6.0
C:\Users\Song>
```

## 使用并切换 node 版本如图所示



```
C:\Users\Song>nvm use 4.6.0
Now using node v4.6.0 (64-bit)

C:\Users\Song>nvm list

   6.9.2
*  4.6.0 (Currently using 64-bit executable)

C:\Users\Song>node -v
v4.6.0

C:\Users\Song>npm -v
2.15.9

C:\Users\Song>nvm use 6.9.2
Now using node v6.9.2 (64-bit)

C:\Users\Song>nvm list

   6.9.2 (Currently using 64-bit executable)
*  4.6.0

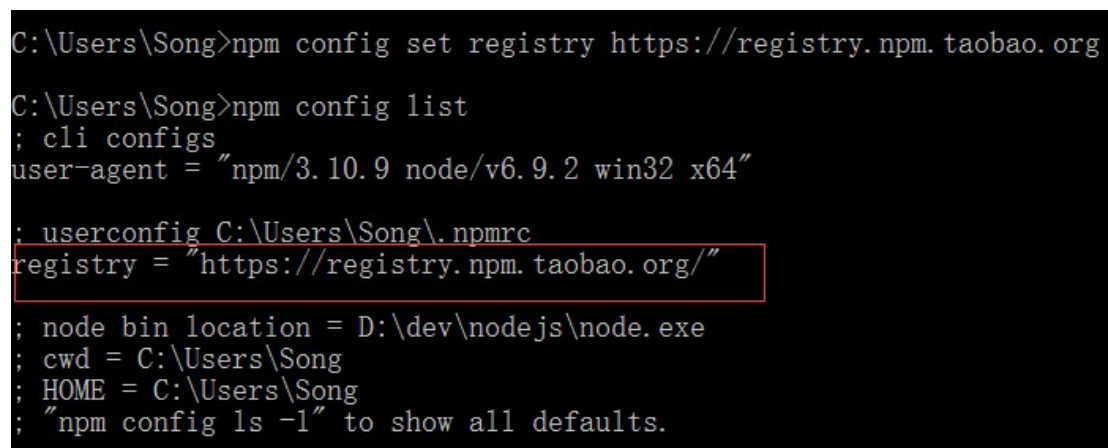
C:\Users\Song>node -v
v6.9.2

C:\Users\Song>npm -v
3.10.9

C:\Users\Song>
```

## npm 设置淘宝镜像（下载更快）

npm config set registry <https://registry.npm.taobao.org>



```
C:\Users\Song>npm config set registry https://registry.npm.taobao.org

C:\Users\Song>npm config list
; cli configs
user-agent = "npm/3.10.9 node/v6.9.2 win32 x64"

; userconfig C:\Users\Song\.npmrc
registry = "https://registry.npm.taobao.org/"

; node bin location = D:\dev\nodejs\node.exe
; cwd = C:\Users\Song
; HOME = C:\Users\Song
; "npm config ls -l" to show all defaults.
```

## 在不同的环境中使用 ES6

## 在 NodeJs 环境中运行 ES6