

# Service Fabric

## 開發環境設定

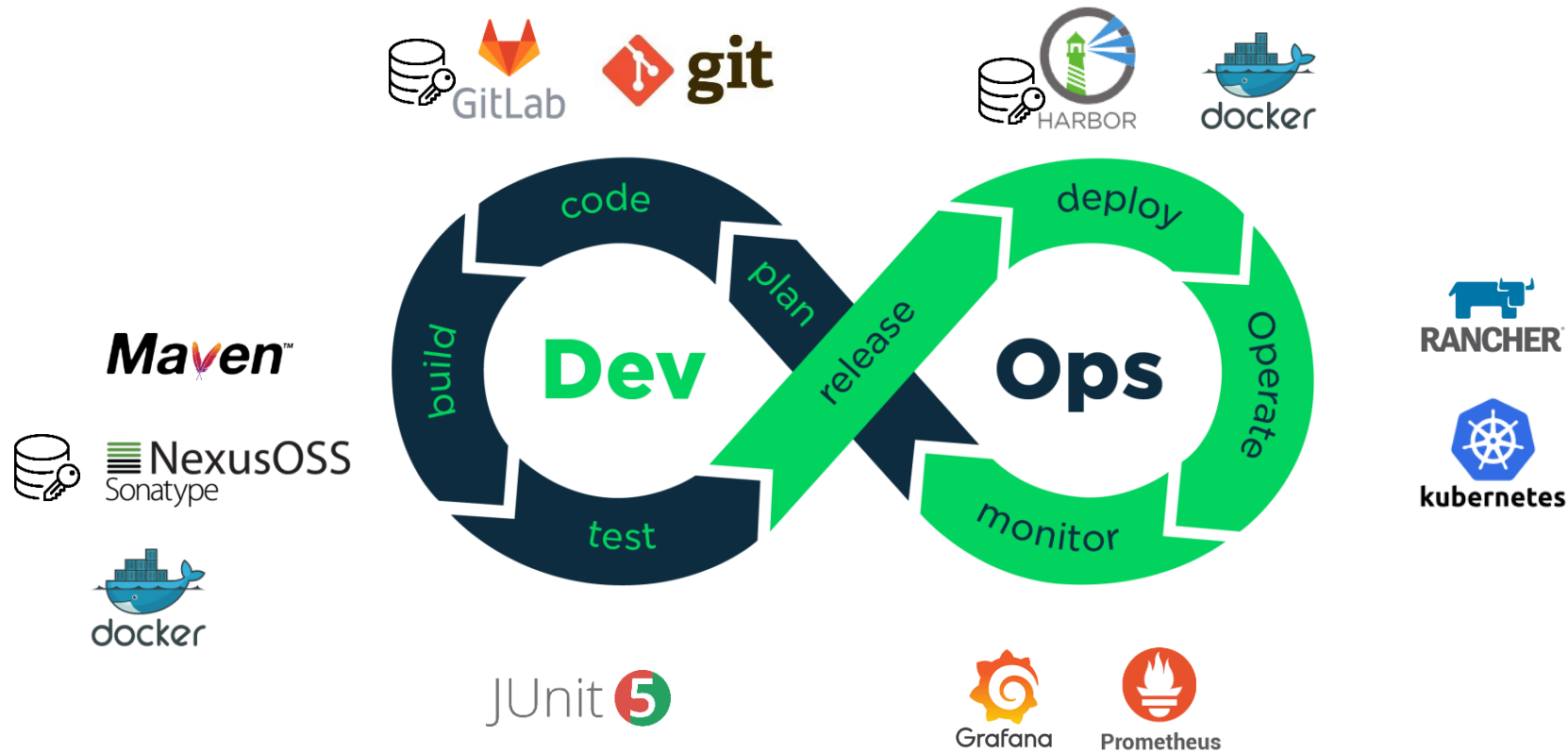


## Java JDK8

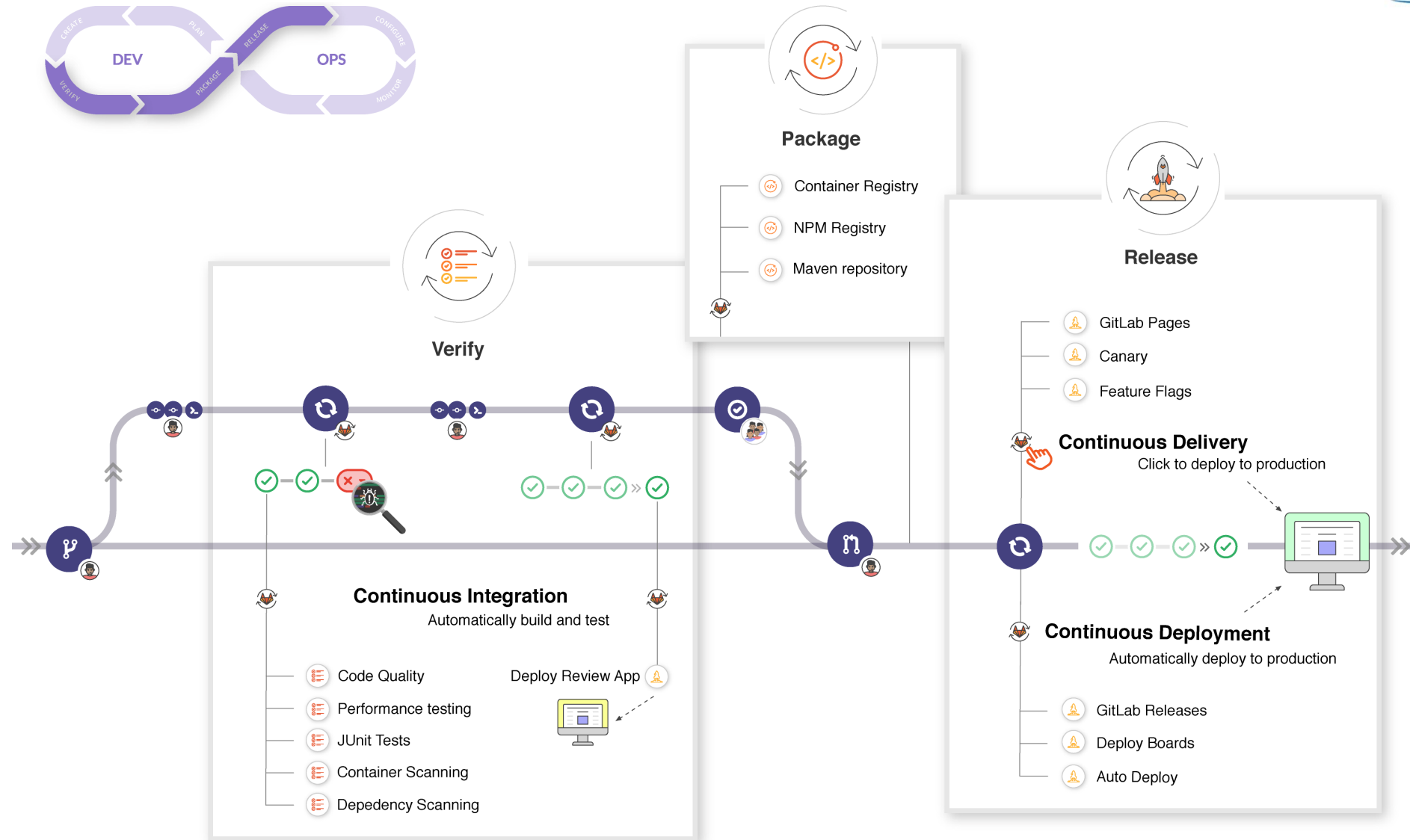


DevOps & CI/CD

# DevOps Toolchain (Java Development)



# CI/CD Pipeline (Java Development)



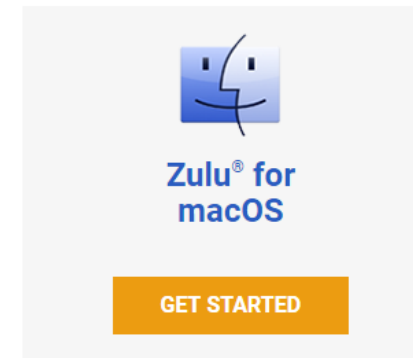
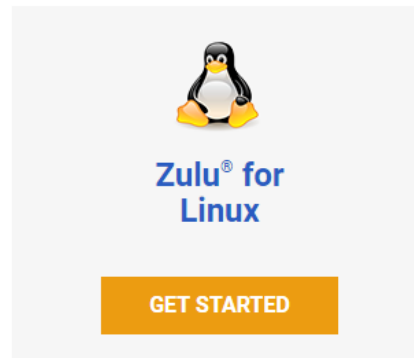


# Install Java8 JDK

# Step. 1 – Install OpenJDK



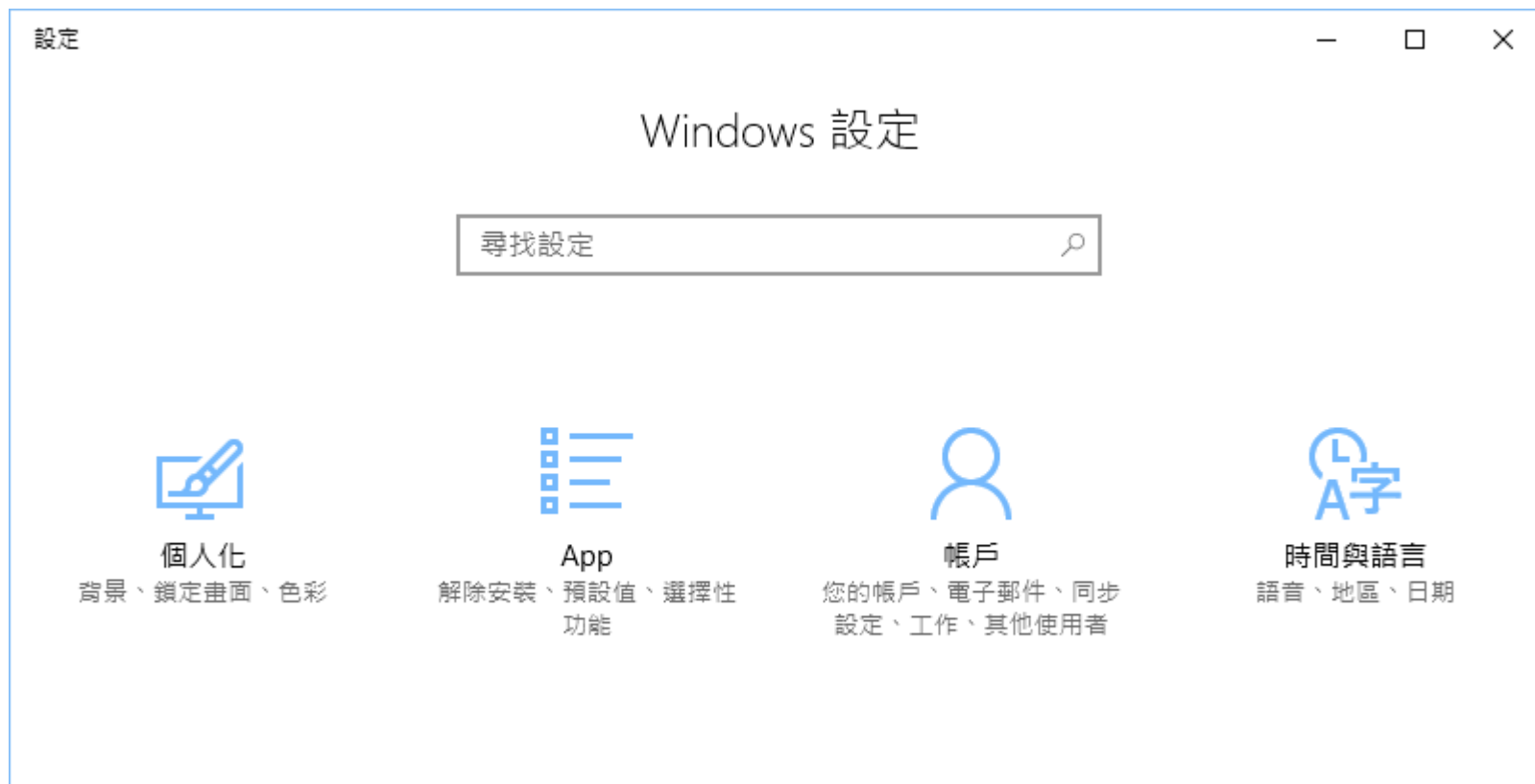
- Go to AZUL web site & base on O.S to download “OpenJDK 8”
  - Version: **8**
  - <https://www.azul.com/downloads/zulu/>



# 如何在Windows平台上安裝OpenJDK



# Step 1. 打開Windows的設定





## Step 2. 點選“應用程式與功能”



# Step 3. 點選“應用程式與功能”



# Step 4. 安裝"Azul版本的OpenJDK"

- <https://www.azul.com/downloads/zulu/zulu-windows/>
- <https://www.azul.com/products/zulu-and-zulu-enterprise/zulu-terms-of-use/>

如果沒有安裝過JDK8  
或者想降低使用Oracle  
Java可能的license問  
題!



## Windows

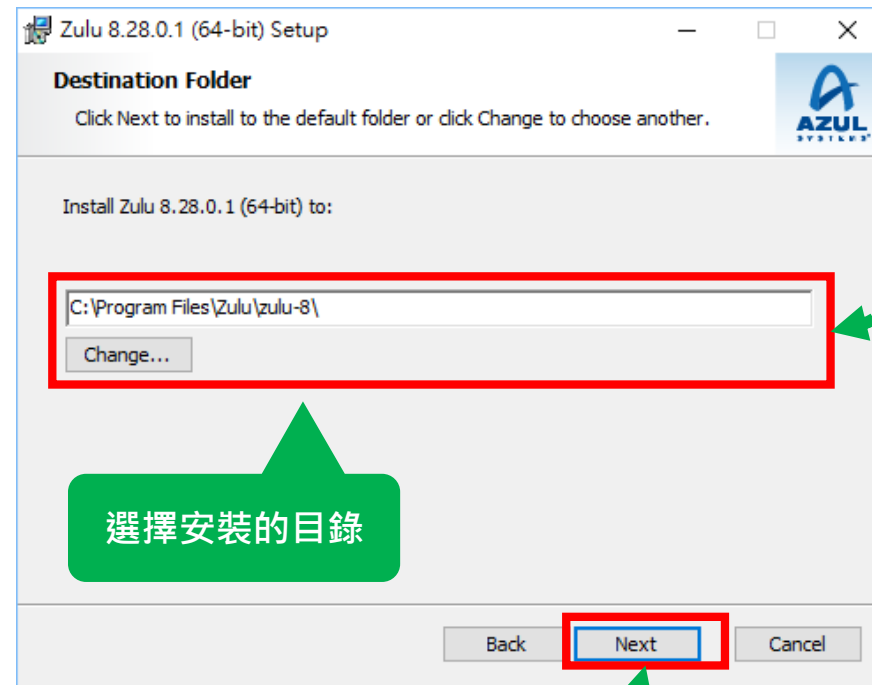
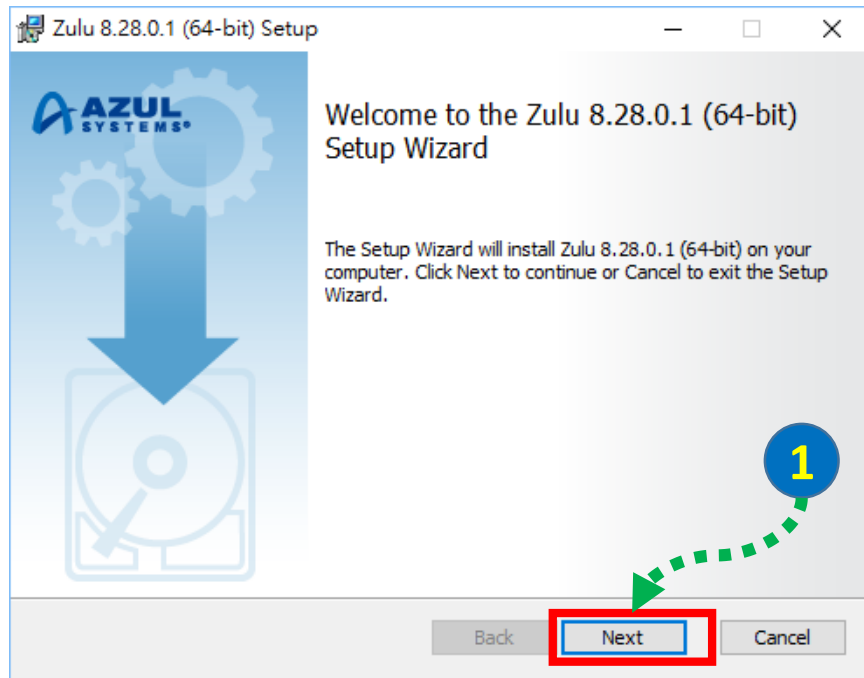
Java Version	Java Package	Product	Version	OpenJDK™ Version	
8	JDK	Server	2016 2016-Nano 2012R2 2012 2008R2 64-bit x86	8u212	Checksum (MD5): 631de9f1d93defb5da13cfa8749095ae JSE 8 Certificate
		Client	10 8.1 8 7 64-bit x86		Checksum (MD5): f586f922b8b707026272fa7566fbcce1 JSE 8 Certificate

DOWNLOAD .ZIP

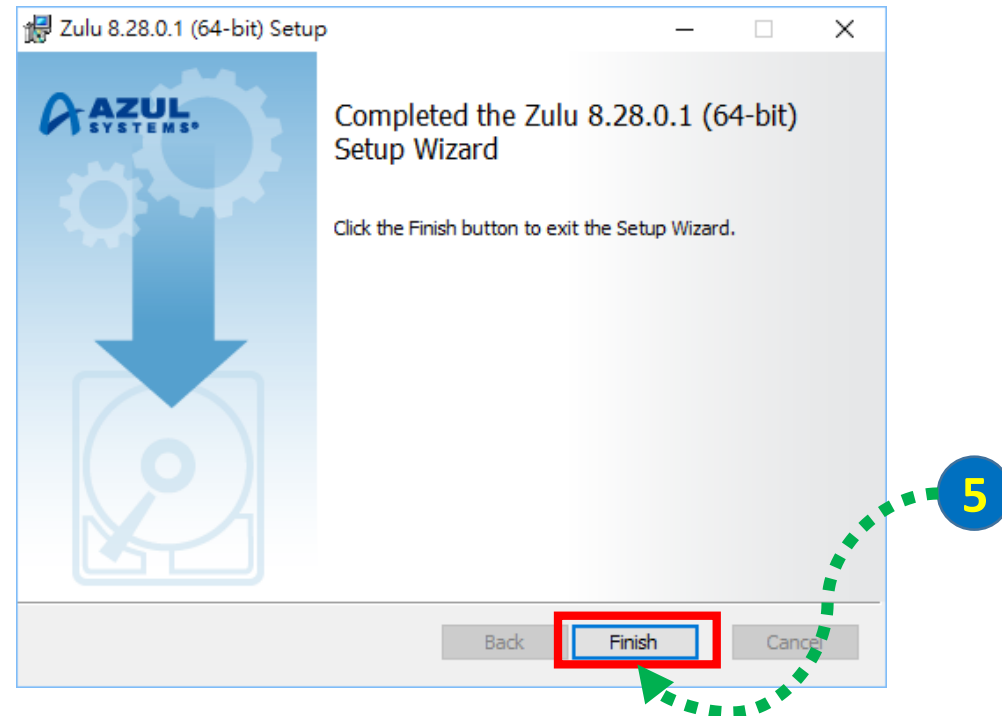
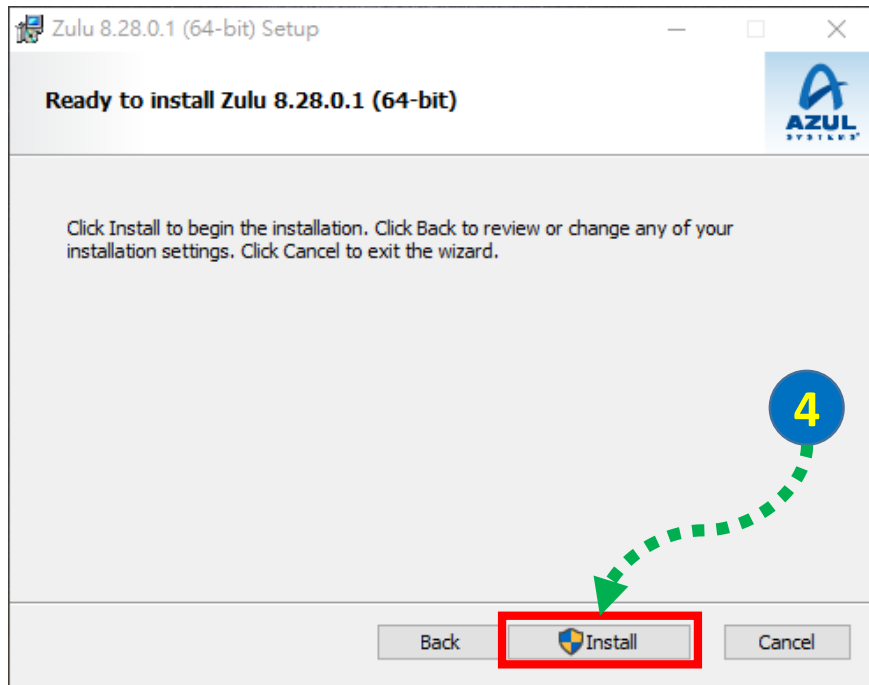
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鍵入下載  
OpenJDK (8u212)

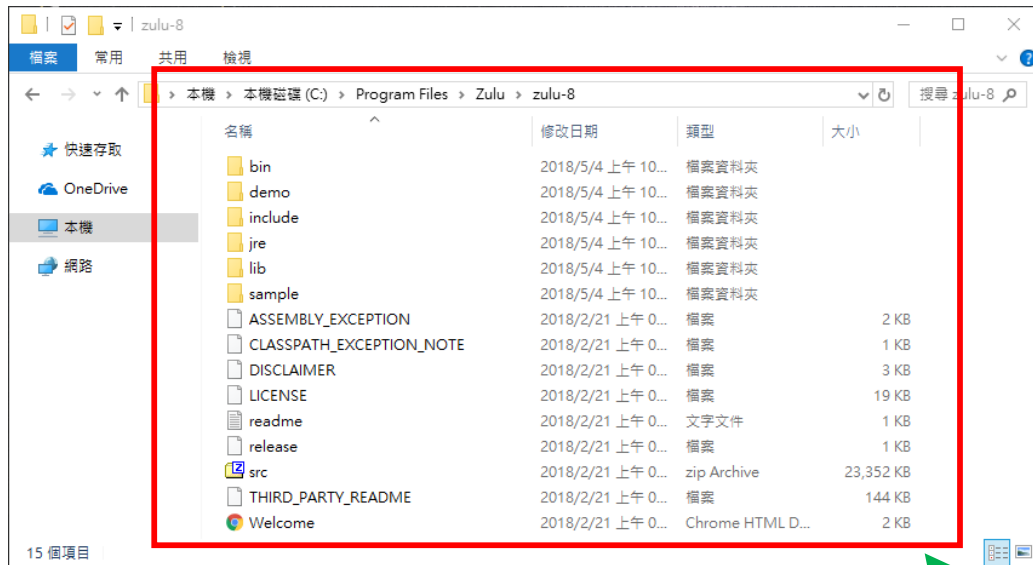
# Step 5. 安裝“Azul版本的OpenJDK”



## Step 6. 安裝“Azul版本的OpenJDK”



# Step 7. OpenJDK 安裝完成確認



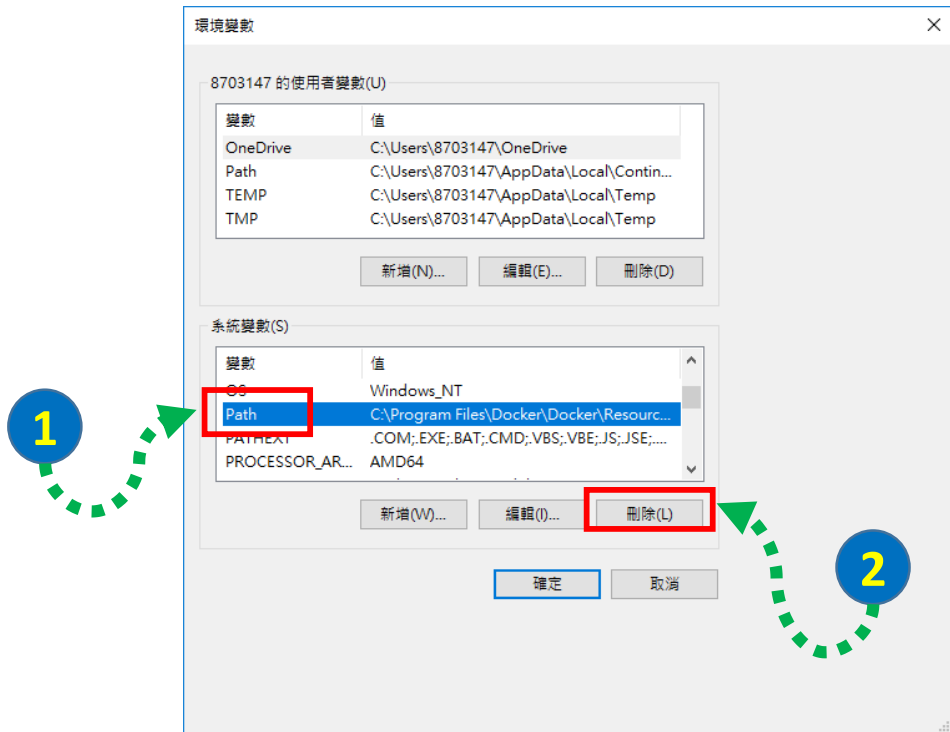
打開一個Command的  
terminal, 然後鍵入:  
**Java -version**

```
> java -version
openjdk version "1.8.0_163"
OpenJDK Runtime Environment (Zulu 8.28.0.1-win64) (build 1.8.0_163-b01)
OpenJDK 64-Bit Server VM (Zulu 8.28.0.1-win64) (build 25.163-b01, mixed mode)
```

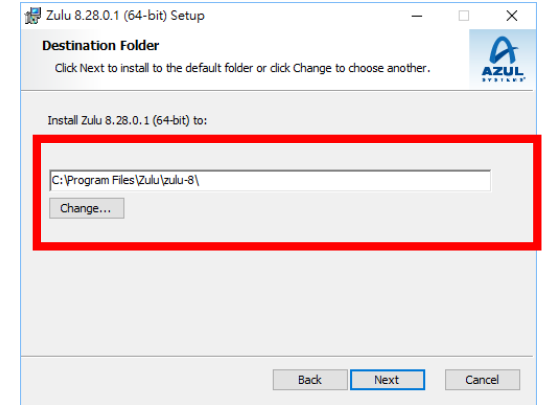
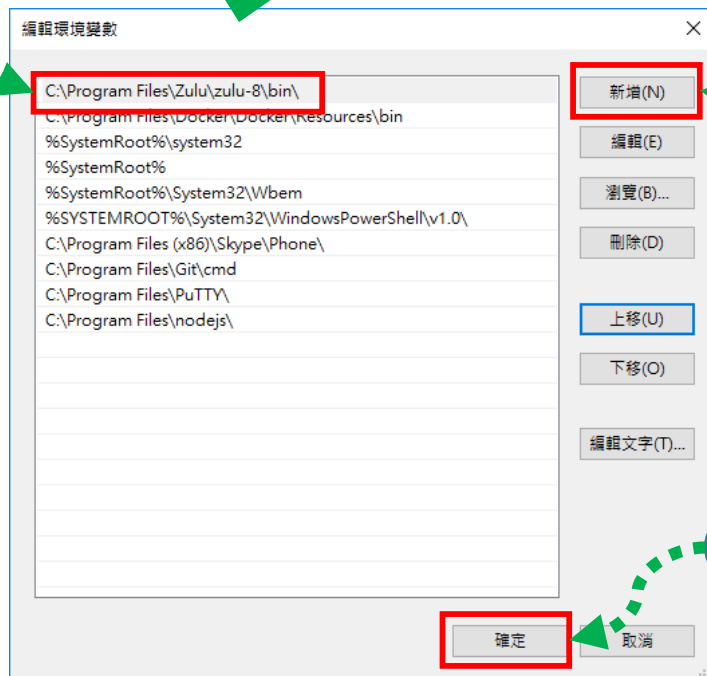
看到openjdk version  
"1.8.0\_212"即代表  
openjdk安裝成功

在安裝目錄裡會看到  
zulu-8的JDK相關檔案

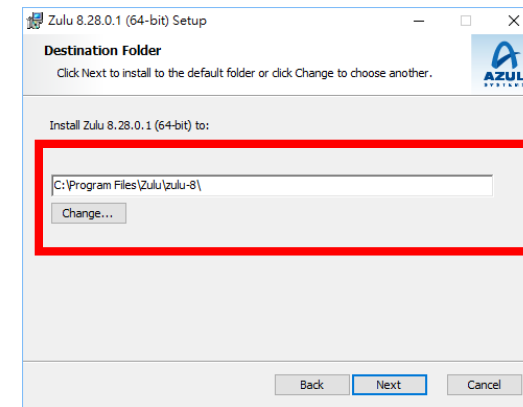
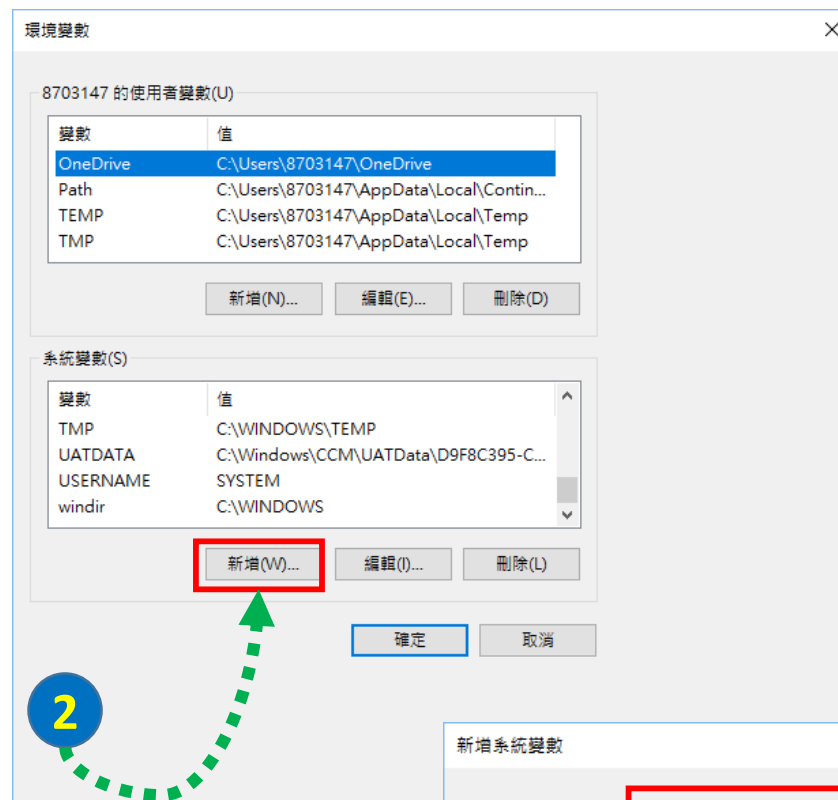
## Step 8. 設定環境變數



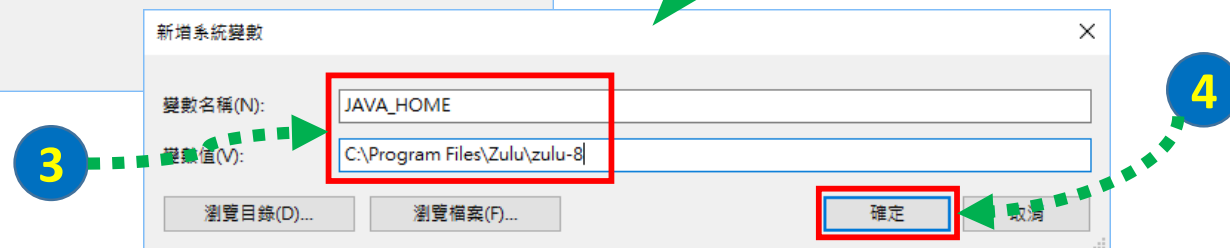
把JDK的bin路徑加到"Path"的環境變數中,並提升在前面



# Step 9. 設定環境變數



設定"JAVA\_HOME"的值  
指向Step6所安裝的目錄





# Step 10.重新啟動電腦

- 重啟後所有的Java相關程式或IDE不需要重新設定即可繼續運行
- 有些IDE會指定JDK安裝路徑→ 重新指向OpenJDK的路徑即可

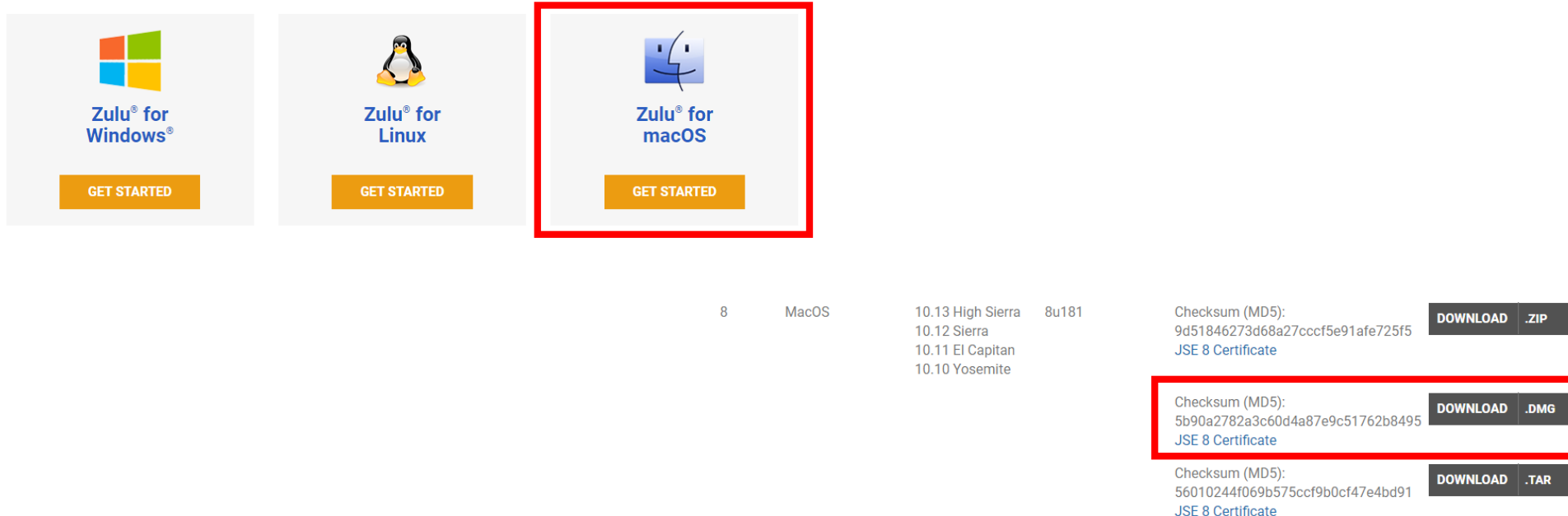


# 如何在Mac OS平台上安裝OpenJDK



# Step. 1 – Install OpenJDK

- Go to AZUL web site & base on O.S to download “OpenJDK 8”
  - Version: **8**
  - <https://www.azul.com/downloads/zulu/>



The screenshot displays the Azul Zulu download page. At the top, there are three large buttons for "Zulu® for Windows", "Zulu® for Linux", and "Zulu® for macOS". The "Zulu® for macOS" button is highlighted with a red border. Below these buttons, there is a table of download links for various macOS versions. The table has columns for version, architecture, and download links. The macOS section is highlighted with a red box.

Version	Architecture	Download Link
8	MacOS	<a href="#">10.13 High Sierra 8u181</a>
		<a href="#">10.12 Sierra</a>
		<a href="#">10.11 El Capitan</a>
		<a href="#">10.10 Yosemite</a>

Checksum (MD5):  
9d51846273d68a27cccf5e91afe725f5  
JSE 8 Certificate

[DOWNLOAD](#) [.ZIP](#)

Checksum (MD5):  
5b90a2782a3c60d4a87e9c51762b8495  
JSE 8 Certificate

[DOWNLOAD](#) [.DMG](#)

Checksum (MD5):  
56010244f069b575ccf9b0cf47e4bd91  
JSE 8 Certificate

[DOWNLOAD](#) [.TAR](#)

# 如何在Ubuntu平台上安裝OpenJDK



# Step. 1 – Install OpenJDK

- Open a terminal and type in below command

```
$ sudo apt install openjdk-8-jdk
```

- Verify OpenJDK 8 installed properly

```
$ java -version
```

```
openjdk version "1.8.0_212"
```

