

AWS雲計算實務班第01期

課程講師:金力鵬

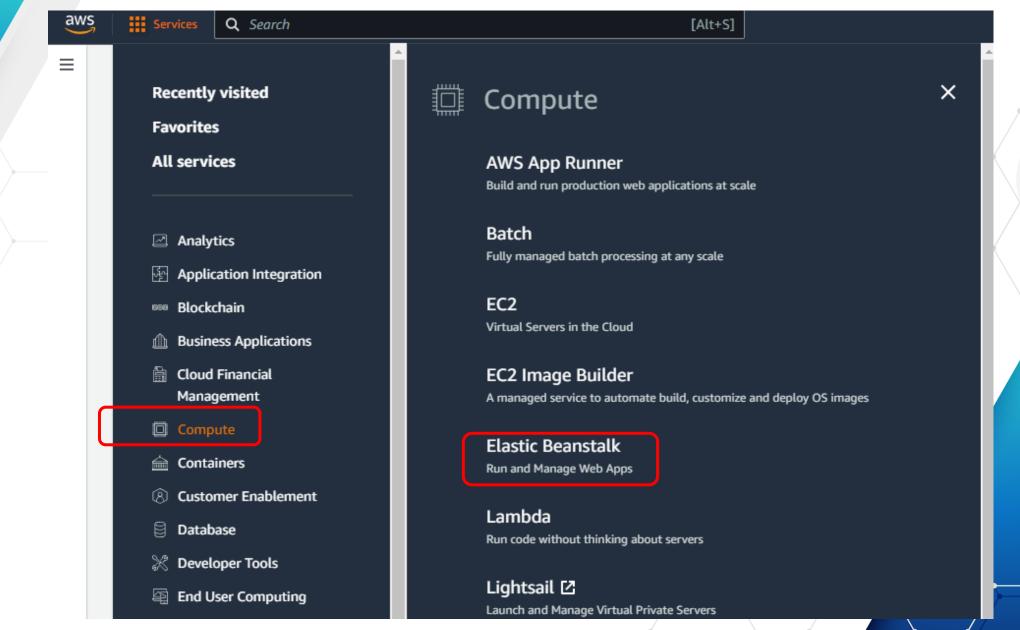


使用Elastic Beanstalk



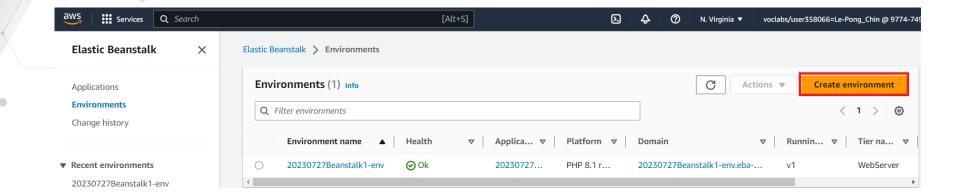
設定Application的執行環境

Step1:找到今天所要使用的Elastic Beanstalk服務





Step2: 頁面點選**Create Environment**。





Configure environment Info

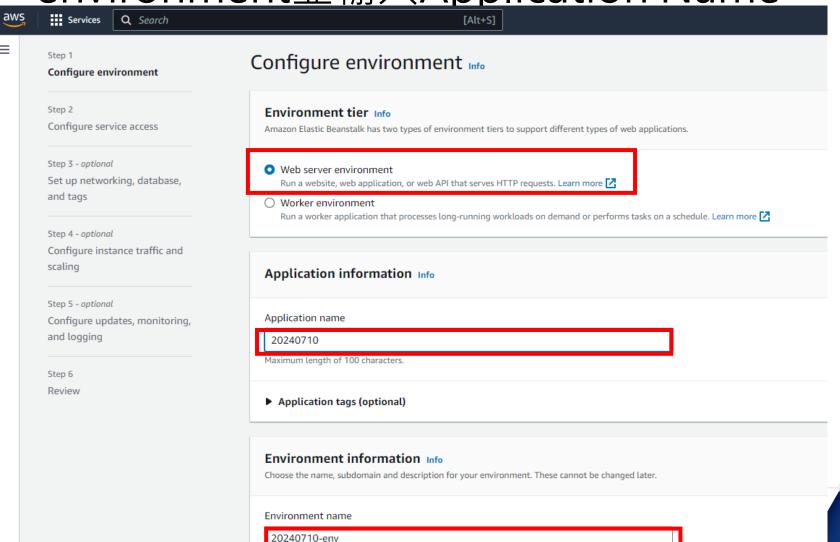
Environment tier Info

Amazon Elastic Beanstalk has two types of environment tiers to support different types of web applications.

- Web server environment
 Run a website, web application, or web API that serves HTTP requests. Learn more
- Worker environment
 Run a worker application that processes long-running workloads on demand or performs tasks on a schedule. Learn more

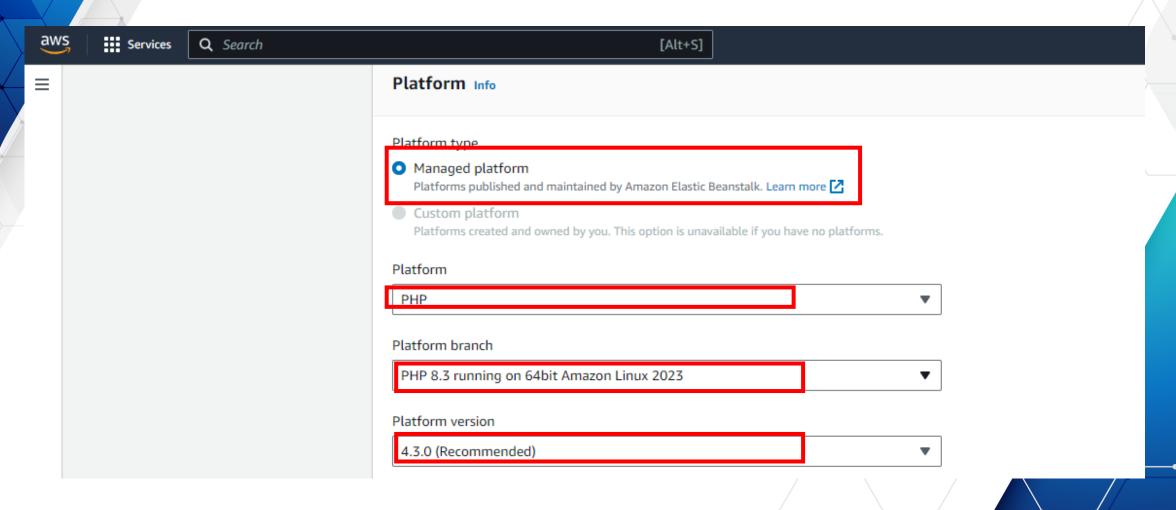


Step3: Environment tier 下選擇 Web server environment並輸入Application Name



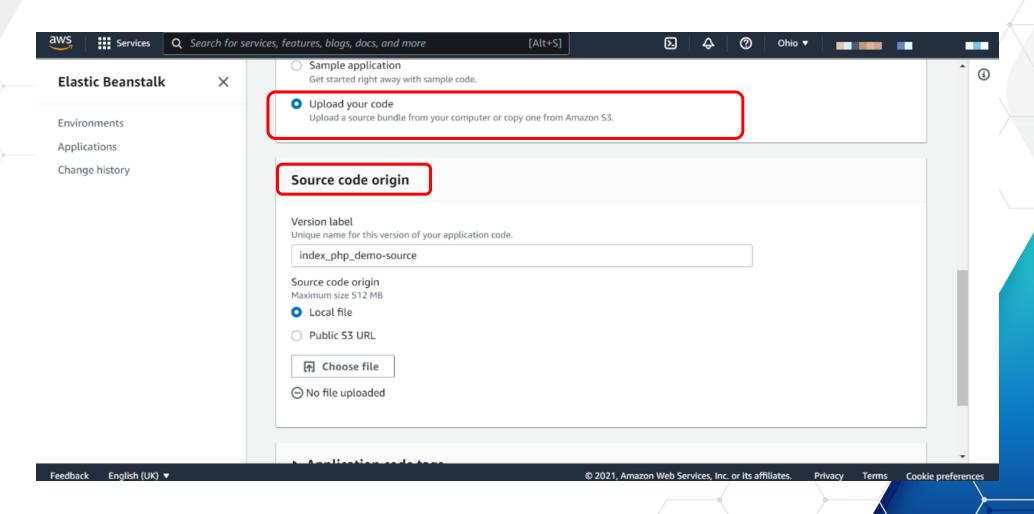


Step3: Platform type下選擇 Managed platform environment platform 選擇 PHP





Step3: Application code 下選擇**Upload your code**





Step4:開啟記事本編輯以下程式碼

- <body>
- <?php
- echo"<h1>Hello From Your WebServer</h1>";
- . ?>
- . </body>



Step4: 在PHP網站上顯示Hello From Your Web Server!



Hello From Your Web Server!

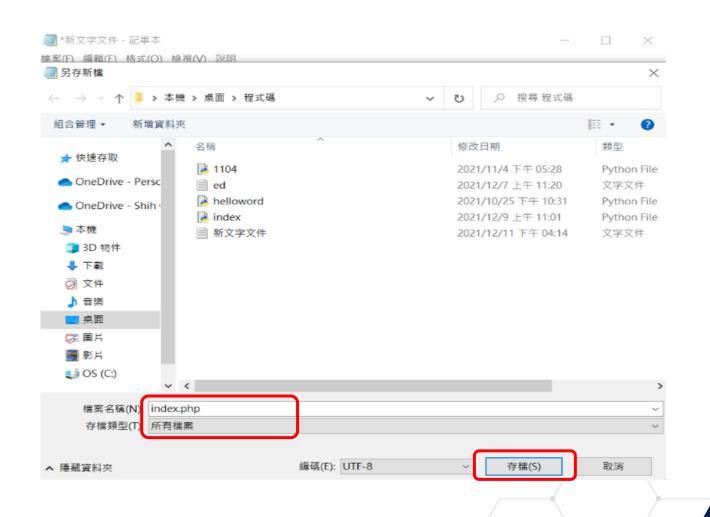


Step5:請點選**檔案**下並選擇**另存為...** 的方式儲存

```
<body>
</php
echo"<h1>Hello From Your WebServer</h1>";
?>
</body>
```

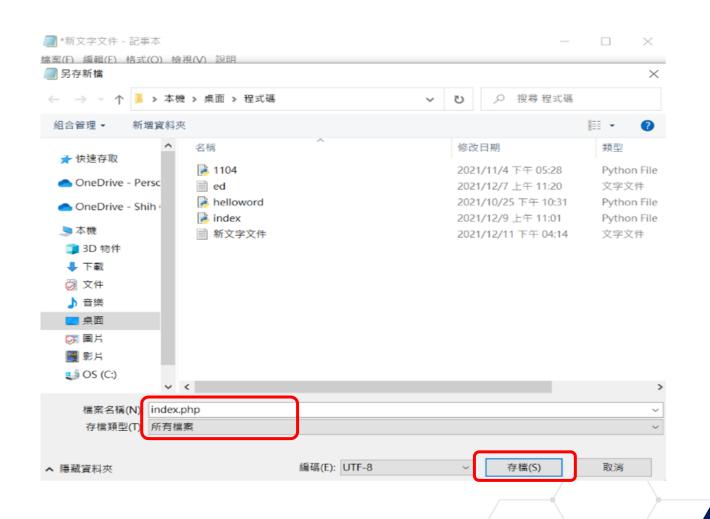


Step6:在檔案名稱中輸入index.php,存檔類型要選擇**所有檔案**



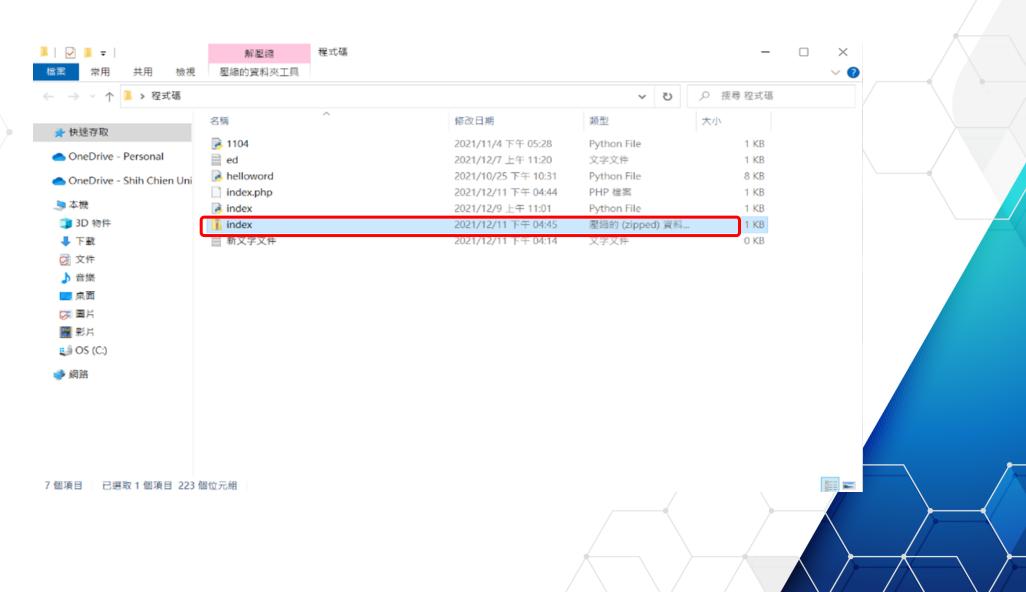


Step7:點選**存檔**



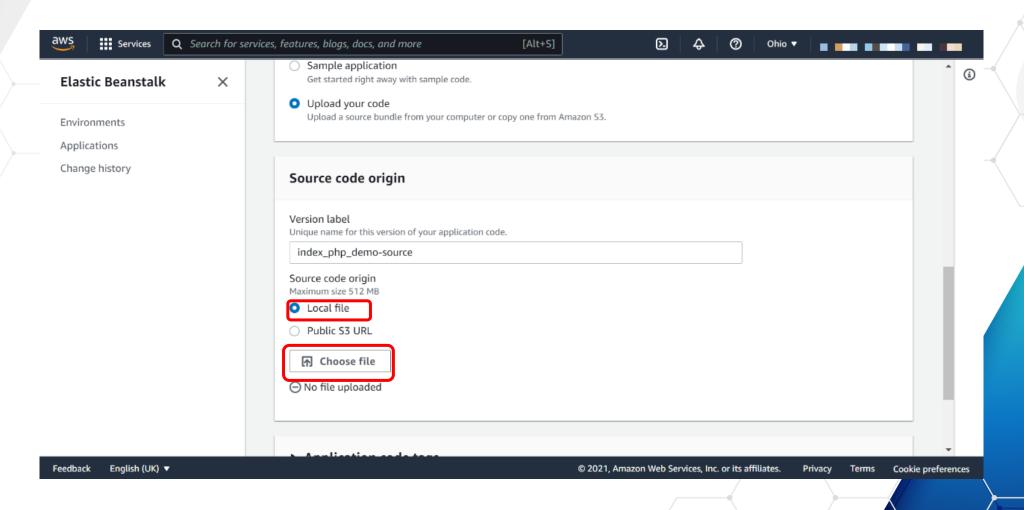


Step8:另存為一個名為index.zip的壓縮檔案



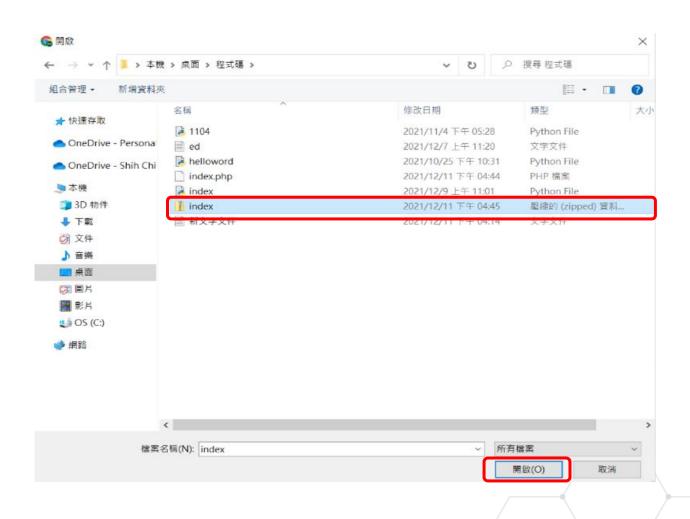


Step9:選擇Local file,並按下Choose file的按鈕



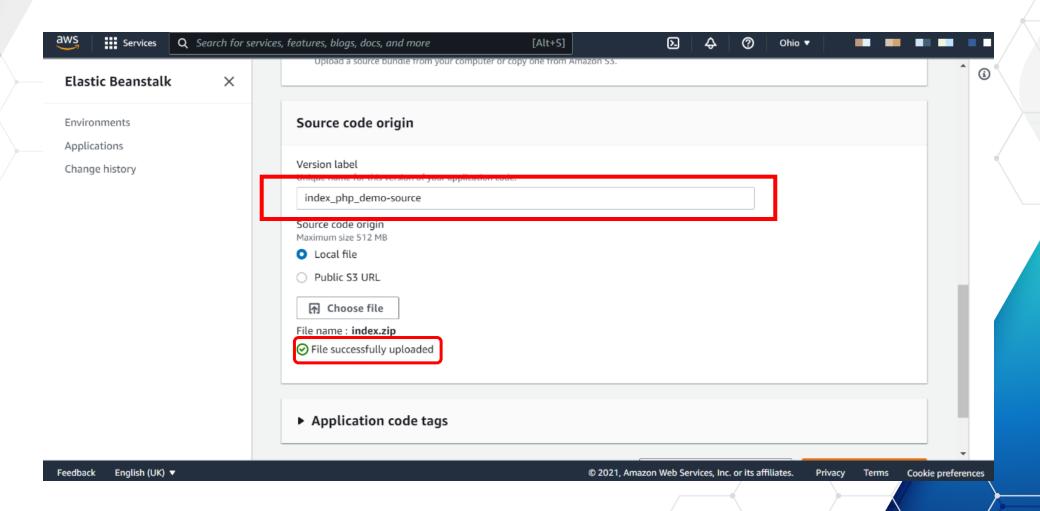


Step10: 載入剛剛建好的檔案index.zip,並按下開啟





Step11: 觀察是否File successfully uploaded





Step12:按下Configure more options

Presets Info

Start from a preset that matches your use case or choose custom configuration to unset recommended values and use the service's default values.

Configuration presets

- Single instance (free tier eligible)
- Single instance (using spot instance)
- High availability
- High availability (using spot and on-demand instances)
- Custom configuration

Cancel

Next



執行環境的建置及Application執行

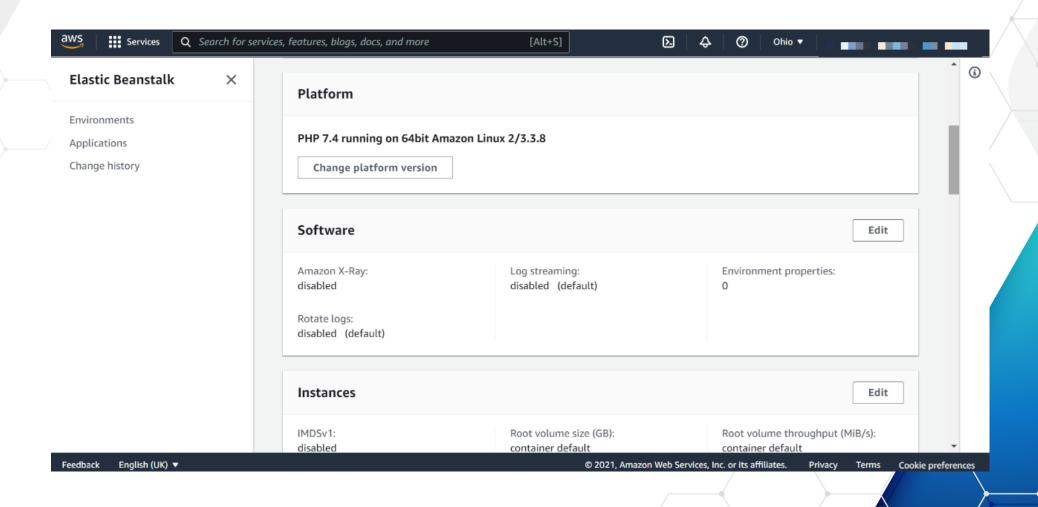


Step13: Service access:使用Learner lab 定義

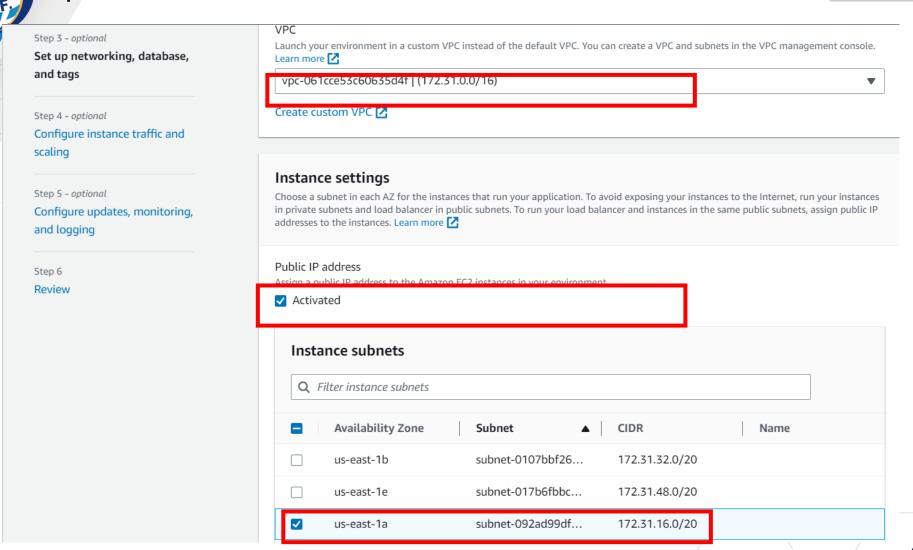
Step 2 Configure service access Step 3 - optional	Service access IAM roles, assumed by Elastic Beanstalk as a service role, and EC2 instance profiles allow Elastic Beanstalk to create and manage your environment. Both the IAM role and instance profile must be attached to IAM managed policies that contain the required permissions. Learn more Image: Comparison of the IAM role and Instance profile must be attached to IAM managed policies that contain the required permissions. Learn more Image: Comparison of the IAM role and Instance profile must be attached to IAM managed policies that contain the required permissions.	
Set up networking, database, and tags	Service role	
Step 4 - optional Configure instance traffic and scaling	 Create and use new service role Use an existing service role Existing service roles Choose an existing IAM role for Elastic Beanstalk to assume as a service role. The existing IAM role must have the required IAM managed policies. 	
Step 5 - optional Configure updates, monitoring, and logging	EC2 key pair Select an EC2 key pair to securely log in to your EC2 instances. Learn more ☐	
Step 6 Review	vockey EC2 instance profile Choose an IAM instance profile with managed policies that allow your EC2 instances to perform required operations. LabInstanceProfile C	
	View permission details	



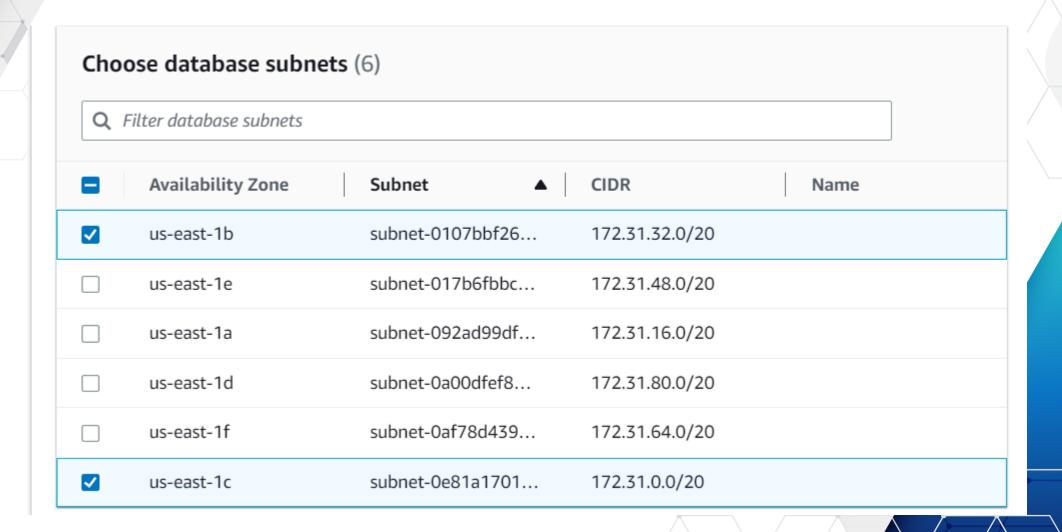
Step14: Platform已經在之前做過; 設定Software不需做更改;



▼tep15:設定網路環境,在Instance subnets項目中勾選Public IP address

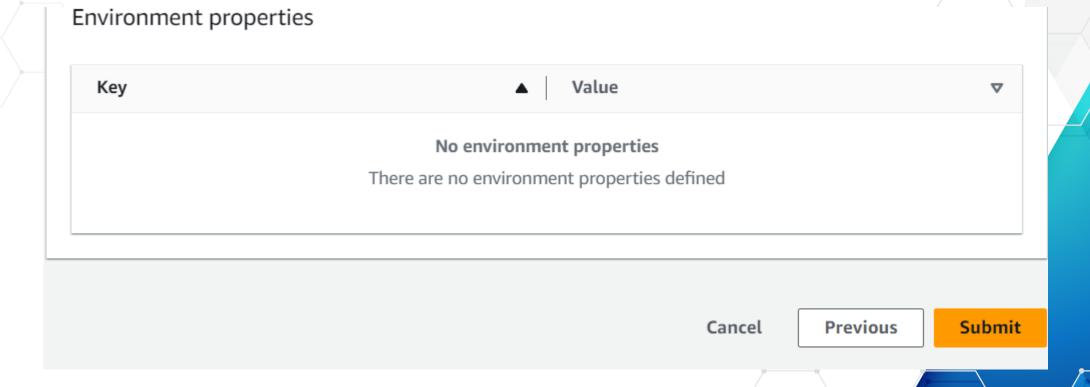


Step16: database subnet勾選us-east-1b、us-east-1c,最後點選NEXT



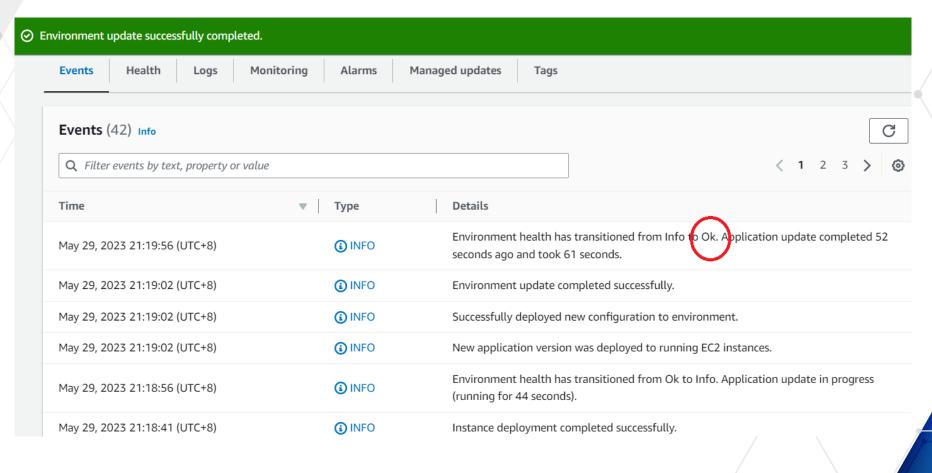


Step17:上述Step設定好後,就可以創建app了。按下 Submit



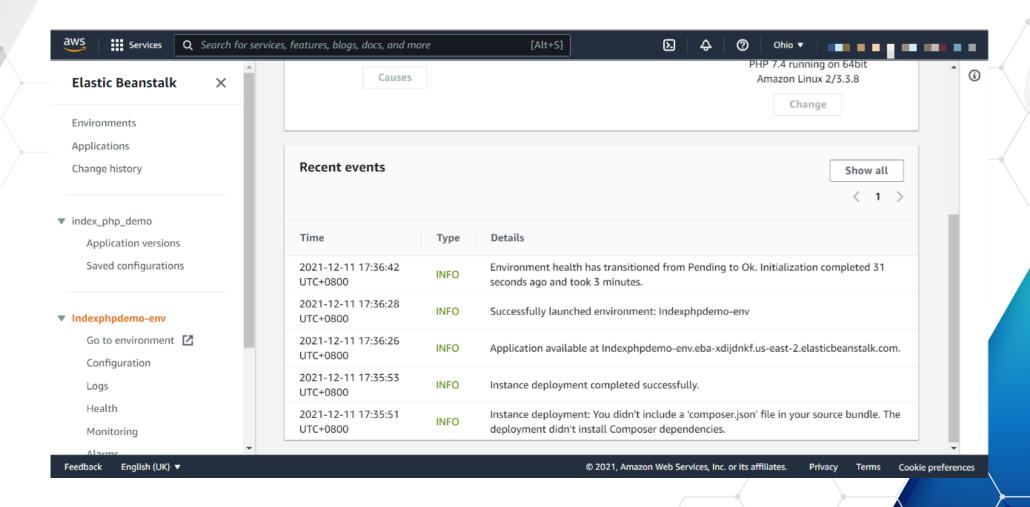


Step18: Create app大約會使用3-4分鐘建置請讀者留意畫面中顯示的建置過程內容及變化



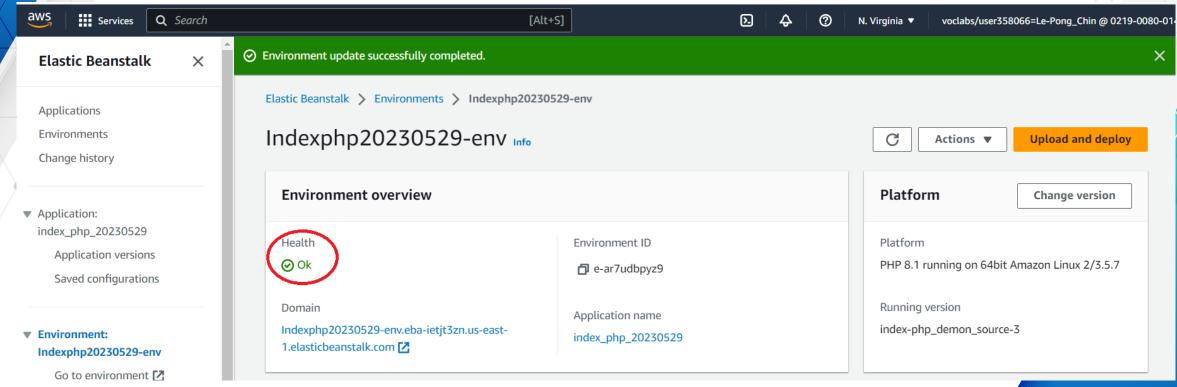


顯示建置過程相關的Recent events



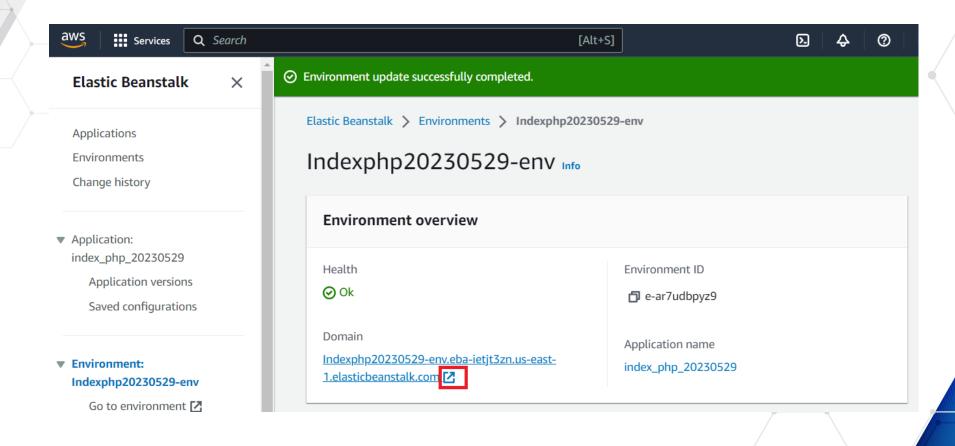


Step19:完成





當建置成功後可以點選框框內的網址去瀏覽網頁





出現預期的網頁內容了,網頁出現所編寫的網頁內容

Hello From Your Web Server!



多檔案上傳

G Google	● 實踐大學	
Name:		
your name		
send		

Name:
Led

G Google (Hello Leo!

這時你需要兩個檔案



form.html

```
<form action="formprocess.php" method="get">

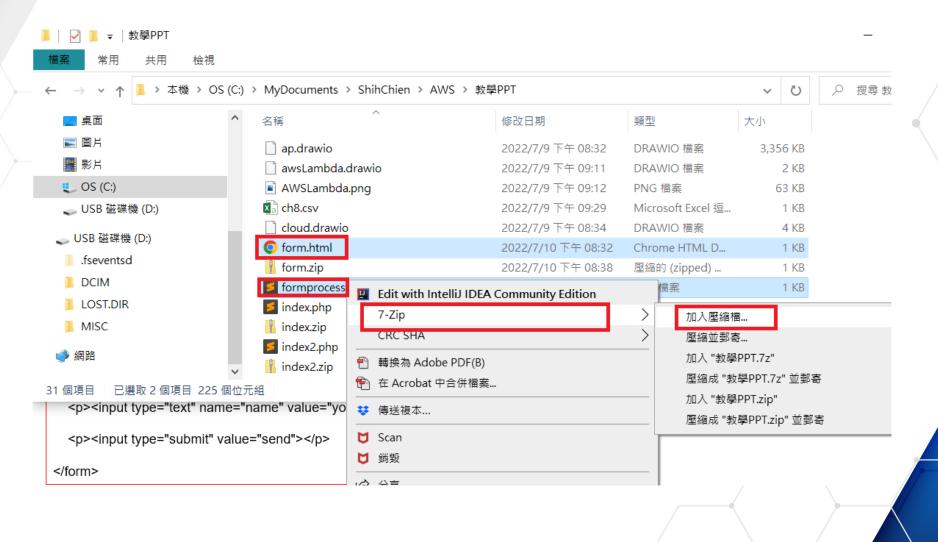
Name:
<input type="text" name="name" value="your name">
<input type="submit" value="send">
</form>
```

formprocess.php

Hello <?php echo \$_GET["name"]; ?>!

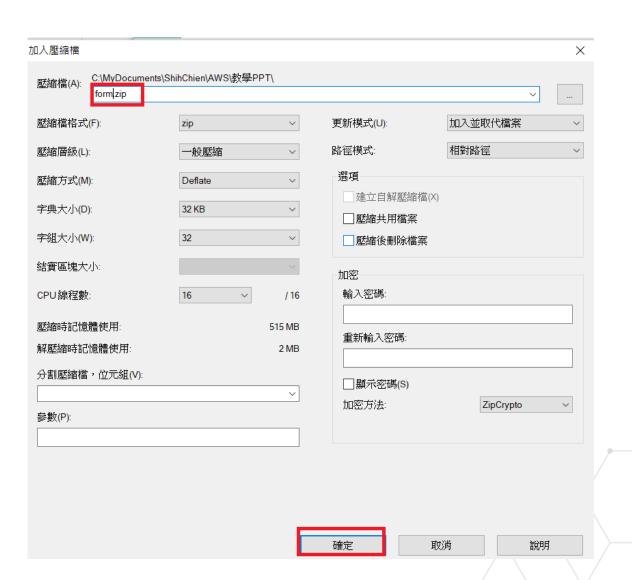


合併壓縮



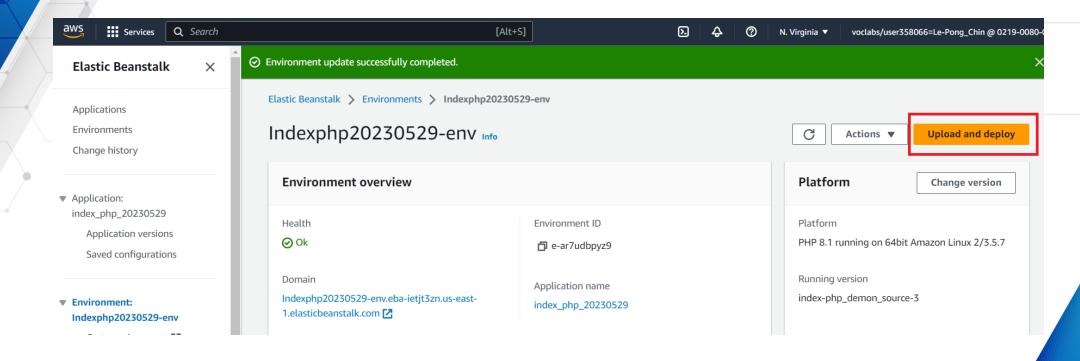


設定壓縮檔名-上傳時用此檔名



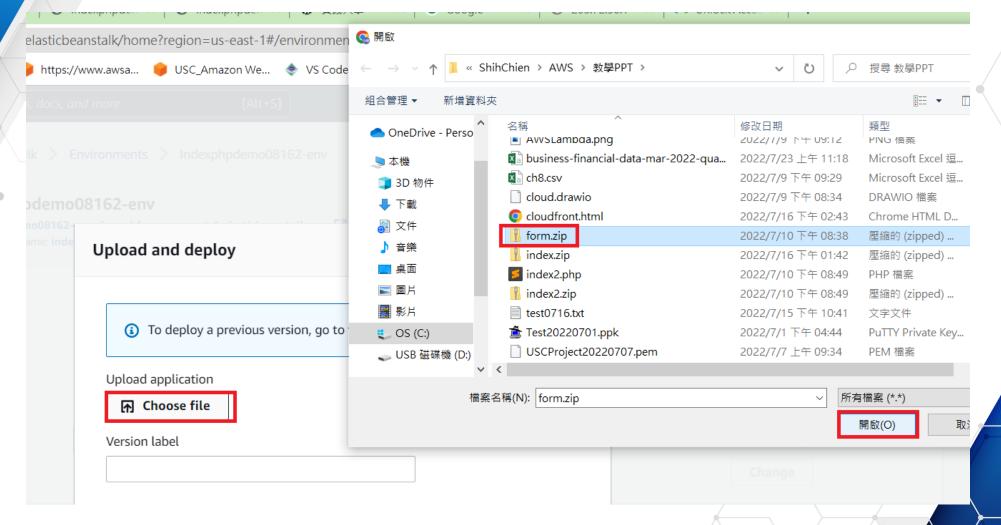


Step1:佈建新環境





Step2:上傳新檔案





Step3:上傳新檔案

Upload and deploy



To deploy a previous version, go to the Application Versions page.

Upload application

↑ Choose file

File name : form.zip 🕢

Version label

index_php_demo0816_2-source-1

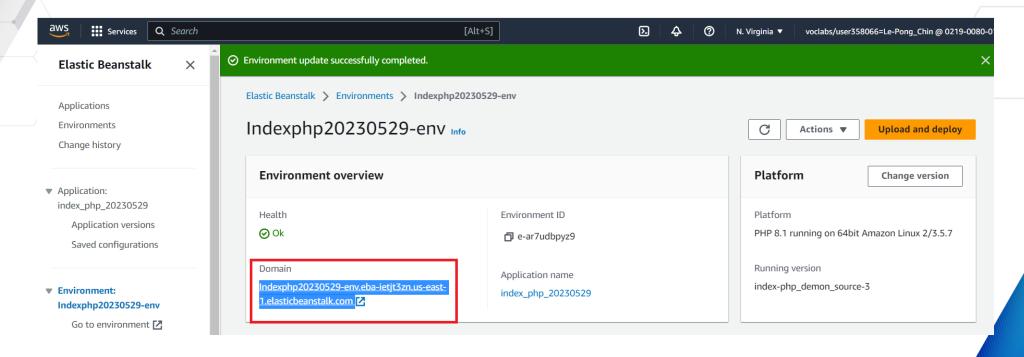
Current number of instances: 1

Cancel

Deploy



呼叫要注意



不能直接click,要複製網址





本章節實作之雲端資源釋放

請參考附錄E



實作的學習及觀察



實作的學習及觀察

• 觀察1: Elastic Beanstalk在眾多AWS服務分類中屬於哪一服務分類? 在此服務分類,我們還常使用哪些服務?

· 觀察2:本實作的region為何盡量選擇未建過Elastic IP的region?

• 觀察3:比較Amazon Elastic Beanstalk跟EC2在建構網站的差異性?

觀察4: Create App建置過程中有哪些重要訊息呢?