

# Session 9

## Introduction to Heroku

[greenwich.edu.vn](https://greenwich.edu.vn)



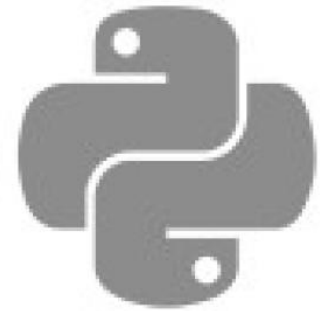
Alliance with  Education

An elastic multi-language  
multi-framework Platform as  
a Service

## Heroku as part of the Salesforce Platform

# Heroku first class languages

Ruby, Node (JavaScript), Python & Java



# Heroku gives you...

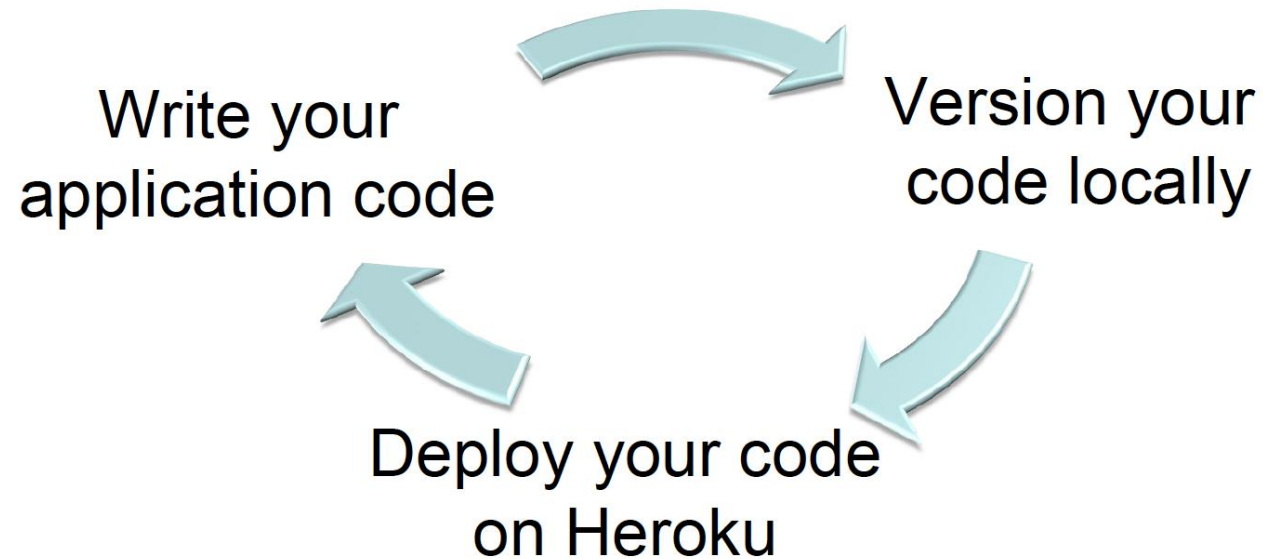
## Developer driven deployment

Deploy using Git version control, the most popular tool for developers



# Heroku gives you...

## Instant & continuous deployment



# Heroku gives you...

Repeatable & traceable deployment

Code commits drive application releases

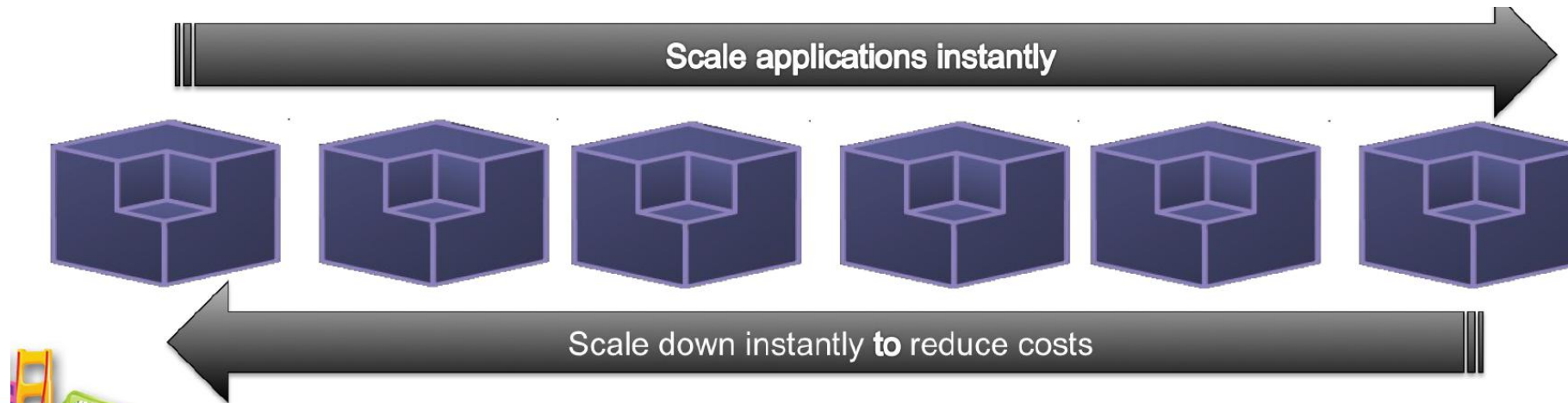
Easily manage versions across multiple environments (dev, test, staging, production)

# Heroku gives you...

Elastic scaling of your applications

Instantly deploy your app over multiple Dynos

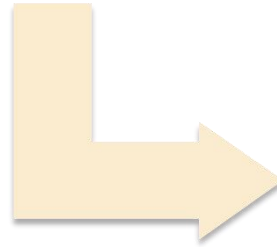
Scale down during quiet periods to save costs



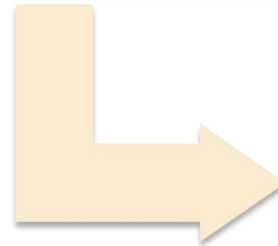


# Hosting a PHP website on Heroku

1. Create a  
repo on  
Github



2. Populate  
the content



3. Config  
Heroku with  
Github

# Create a repo on Github

## Create a New Repository



Name

SimpleWebsite

Description

Test with Heroku

Local

/

No local changes

Would you like to [open this repository](#) in Finder?

☐

Git Ignore

None

License

None

Cancel

Create Repository

Click here to open  
local folder



# Populate content

- Inside the current repo which created in the previous step create a PHP file with content like this

```
<html>
<head>
  <title>PHP Test</title>
</head>
<body>
  <?php echo '<p>Hello World</p>'; ?>
</body>
</html>
```



Current Repository  
**SimpleWebsite**

Current Branch  
**master**

Fetch origin  
Last fetched just now

Changes 2

History

index.php



Allian

- ☒ 2 changed files
- ☒ .DS\_Store
- ☒ index.php

```
@@ -0,0 +1,8 @@
1 +<html>
2 + <head>
3 + <title>PHP Test</title>
4 + </head>
5 + <body>
6 + <?php echo '<p>Hello World</p>'; ?>
7 + </body>
8 +</html>
```

1. Enter comment here
2. Click Commit
3. Click Fetch origin

index.php created

newly added

Commit to master

AI

## Publish Repository ×

GitHub.com	Enterprise
------------	------------

Name

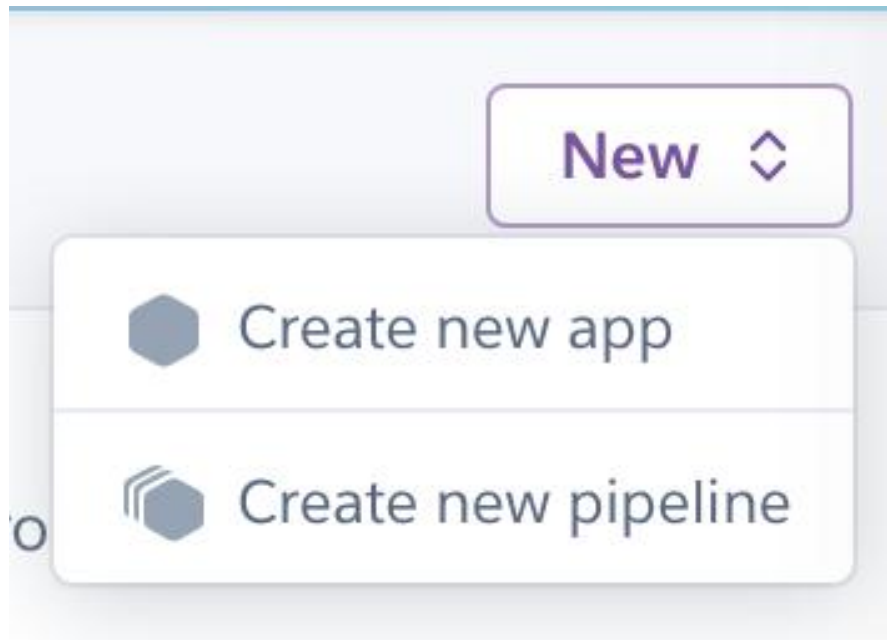
Description

☐ Keep this code private

Cancel Publish Repository

Click this button to  
publish the local to  
Git

# Config Heroku to Github



1. On Heroku  
Dashboard click  
**New** then **Create  
new app**

## App name



simpleme212 is available

## Choose a region



United States



Add to pipeline...

Create app

Deployment method



Heroku Git  
Use Heroku CLI



GitHub  
Connect to GitHub



Container Registry  
Use Heroku CLI

Select GitHub  
then Enter your  
login credential




2. Select this

1. Enter Repo name and hit  
Search

#### Connect to GitHub

Connect this app to GitHub to enable code  
diffs and deploys.



Search for a repository to connect to

 BinhDoQuoc

simple

Search

Missing a GitHub organization? [Ensure Heroku Dashboard has team access.](#)

 BinhDoQuoc/SimpleApp	Connect
 BinhDoQuoc/SimpleWebsite	Connect





# Config Heroku to Github

Select this

## Automatic deploys

Enables a chosen branch to be automatically deployed to this app.

### Enable automatic deploys from GitHub

Every push to the branch you specify here will deploy a new version of this app. **Deploys happen automatically:** be sure that this branch is always in a deployable state and any tests have passed before you push. [Learn more.](#)

 master

☐ Wait for CI to pass before deploy

Only enable this option if you have a Continuous Integration service configured on your repo.

Enable Automatic Deploys

## Manual deploy

Deploy the current state of a branch to this app.

### Deploy a GitHub branch

This will deploy the current state of the branch you specify below. [Learn more.](#)

 master

Deploy Branch

Select this

## Manual deploy

Deploy the current state of a branch to this app.

### Deploy a GitHub branch

This will deploy the current state of the branch you specify below. [Learn more.](#)

 master

Deploy Branch

Receive code from GitHub

Build **master** [Show build log](#)

Release phase

Deploy to Heroku

Your app was successfully deployed.

 View

Deployed successfully  
Click here to view the  
website



## Exercise

- Make a change in Index.php file and deploy the changes on Heroku