

## 13.Lab 09a Implement Web Apps Student lab manual.

### Task 1: Create an Azure web app

#### Create Web App ...

**Basics** Deployment Networking Monitoring Tags Review + create

App Service Web Apps lets you quickly build, deploy, and scale enterprise-grade web, mobile, and API apps running on any platform. Meet rigorous performance, scalability, security and compliance requirements while using a fully managed platform to perform infrastructure maintenance. [Learn more](#)

##### Project Details

Select a subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription \* ⓘ

Resource Group \* ⓘ  [Create new](#)

##### Instance Details

Need a database? [Try the new Web + Database experience.](#)

Name \*  ☒ [.azurewebsites.net](#)

Publish \* ☒ Code ☐ Docker Container ☐ Static Web App

Runtime stack \*

Operating System \* ☒ Linux ☐ Windows

**Review + create**

< Previous

Next : Deployment >

### Task 2: Create a staging deployment slot.

Home > Microsoft.Web-WebApp-Portal-1b58f9c6-9951 | Overview > Lyubo9

### Lyubo9 | Deployment slots

Web App

Search

Save Discard Add Slot Swap Logs Refresh

Overview  
Activity log  
Access control (IAM)  
Tags  
Diagnose and solve problems  
Microsoft Defender for Cloud  
Events (preview)

Deployment  
Deployment slots  
Deployment Center

Deployment Slots

Deployment slots are live apps with their own hostnames. App content and configurations elements can be swapped between two deployment slots, including the production slot.

NAME	STATUS	APP SERVICE PLAN
lyubo9 <b>PRODUCTION</b>	Running	ASP-Lyubo9group-b0ac

Add a slot

Name  
staging lyubo9-staging.azurewebsites.net

Clone settings from:  
Do not clone settings

### Lyubo9 | Deployment slots

Web App

Search

Save Discard Add Slot Swap Logs Refresh

Overview  
Activity log  
Access control (IAM)  
Tags  
Diagnose and solve problems  
Microsoft Defender for Cloud  
Events (preview)

Deployment  
Deployment slots  
Deployment Center

Settings

Deployment Slots

Deployment slots are live apps with their own hostnames. App content and configurations elements can be swapped between two deployment slots, including the production slot.

NAME	STATUS	APP SERVICE PLAN	TRAFFIC %
lyubo9 <b>PRODUCTION</b>	Running	ASP-Lyubo9group-b0ac	100
lyubo9-staging	Running	ASP-Lyubo9group-b0ac	0

### Task 3: Configure web app deployment settings.

### staging (lyubo9/staging) | Deployment Center

App Service (Slot)

Search

Save Discard Browse Manage publish profile Sync Leave Feedback

Overview  
Activity log  
Access control (IAM)  
Tags  
Diagnose and solve problems  
Microsoft Defender for Cloud  
Events (preview)

Deployment  
Deployment slots  
Deployment Center

Settings  
Configuration  
Authentication

Settings

Deploy and build code from your preferred source and build provider. [Learn more](#)

Source\* Local Git

Building with App Service Build Service.

Local Git

Local Git allows you to host a simple Git server for your app on your App Service plan. This can be used to quickly setup a CI/CD pipeline. [Learn more](#)

Repository Your local git repository url will be generated upon completion.

Branch master

### Task 4: Deploy code to the staging deployment slot.

[illegible]

← → ↻ ⚠ Not secure | lyubo9-staging.azurewebsites.net

Hello World!

Task 5: Swap the staging slots.

Home > Recent > az104-09a-rg1 > lyubo9

## lyubo9 | Deployment slots

Web App

Search

Save Discard Add Slot Swap Logs Refresh

- Overview
- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Microsoft Defender for Cloud
- Events (preview)

Deployment

- Deployment slots
- Deployment Center

Settings

- Configuration
- Authentication
- Application Insights
- Identity
- Backups
- Custom domains

### Deployment Slots

Deployment slots are live apps with their own hostnames. App content and configurations elements can be:

NAME	STATUS	APP SER
lyubo9 <b>PRODUCTION</b>	Running	ASP-az
lyubo9-staging	Running	ASP-az

### Swap

Source: lyubo9-staging  
Target: **PRODUCTION** lyubo9

Swap with preview can only be used with sites that have deployment slot settings enabled

☐ Perform swap with preview

### Config Changes

This is a summary of the final set of configuration changes on the source and target deployment slots after the swap has completed.

Source Changes		Target Changes	
SETTING	TYPE	OLD VALUE	NEW VALUE
No Changes			

Successfully completed swap between slot 'staging' and slot 'production'

Swap Close

lyubo9.azurewebsites.net

Hello World!

## lyubo9 | Scale out (App Service plan)

Web App

Search

Save Discard Refresh Logs Feedback

Configure **Run history** JSON Notify Diagnostic settings

Observed instance count - this chart plots the instance count as observed by the auto scale engine. If the chart is empty it either means auto scale is in cool down period or auto scale was disabled over a period of time or auto scale was not configured.

Show data for last: 1 hour 6 hours 12 hours 1 day 7 days Custom Pin to dashboard

### Observed resource instance count

Observed Capacity (B4aa)  
asp-az10409a-rg1-5f85-autoscale-951

Autoscale events for this time range View more details in the Activity Log

Operation name	Status	Time	Time stamp
No results to display			

Delete resource.

```
PS /home/lyubomir> Get-AzResourceGroup -Name 'az104-09a*'

ResourceGroupName : az104-09a-rg1
Location           : eastus
ProvisioningState   : Succeeded
Tags               :
ResourceId          : /subscriptions/3b42ed89-1120-4053-a858-c2baec72c542/resourceGro
ups/az104-09a-rg1

PS /home/lyubomir> Get-AzResourceGroup -Name 'az104-09a*' | Remove-AzResourceGroup -Force -AsJob

Id      Name                PSJobTypeName    State      HasMoreData    Location
--      ---                -
2      Long Running O... AzureLongRunni... Running      True           localhost

PS /home/lyubomir> 
```