

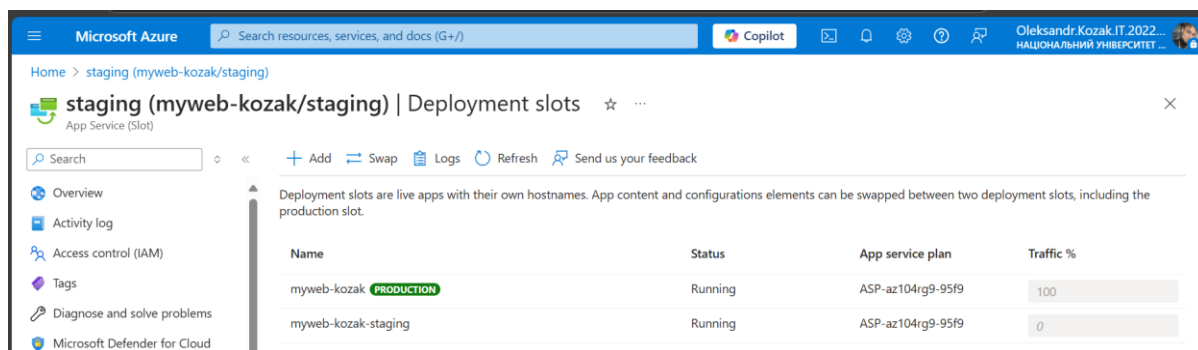
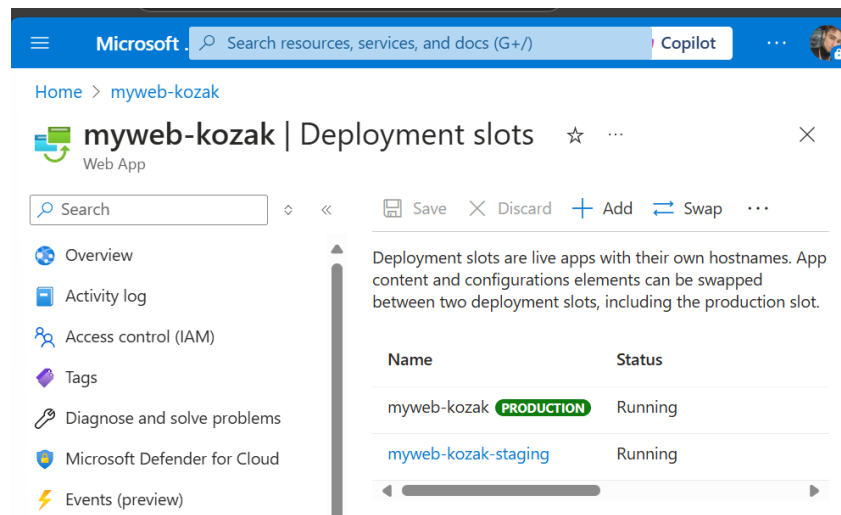
Lab 09a: Implement Web Apps

Task 1: Create and configure an Azure web app.

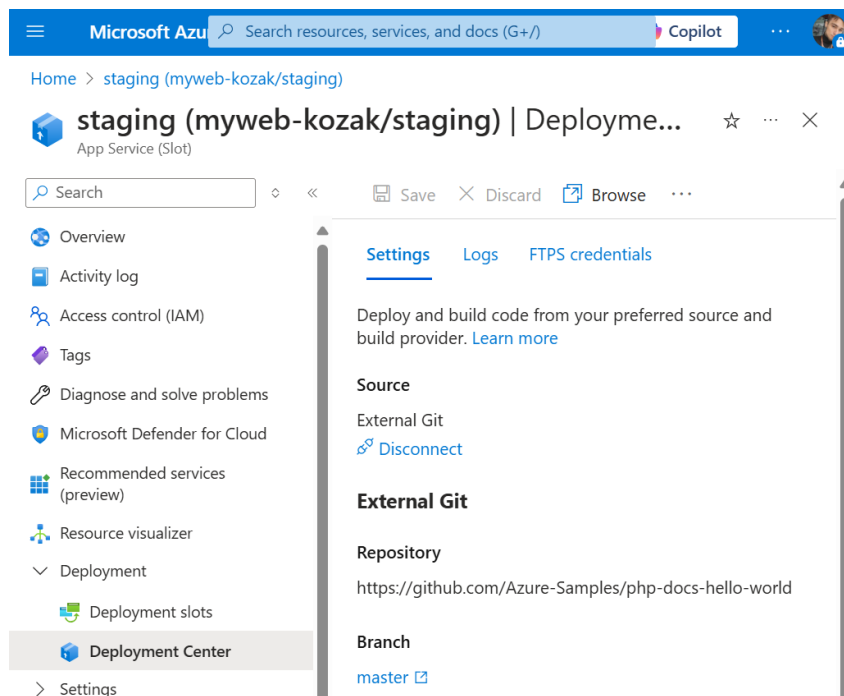
This screenshot shows the 'Create Web App' wizard in the Microsoft Azure portal. The interface includes a top navigation bar with the Microsoft Azure logo, a search bar, and a user profile. The main content area is titled 'Create Web App' and features a progress bar with tabs for Basics, Database, Deployment, Networking, Monitor + secure, Tags, and Review + create. The 'Review + create' tab is currently selected. Below the tabs, there is a 'Summary' section showing the 'Web App by Microsoft' icon, the 'Free sku' plan, and an 'Estimated price - Free'. A warning message states: 'Basic authentication for this app is currently disabled and may impact deployments. Click to learn more.' The 'Details' section lists the following information: Subscription (16fcb738-3661-4bf0-8442-5f3f16e61ad0), Resource Group (az104-rg9), Name (myweb-kozak), Secure unique default hostname (Enabled), Publish (Code), and Runtime stack (PHP 8.2). At the bottom, there is a section for 'App Service Plan (New)' and a 'Create' button.

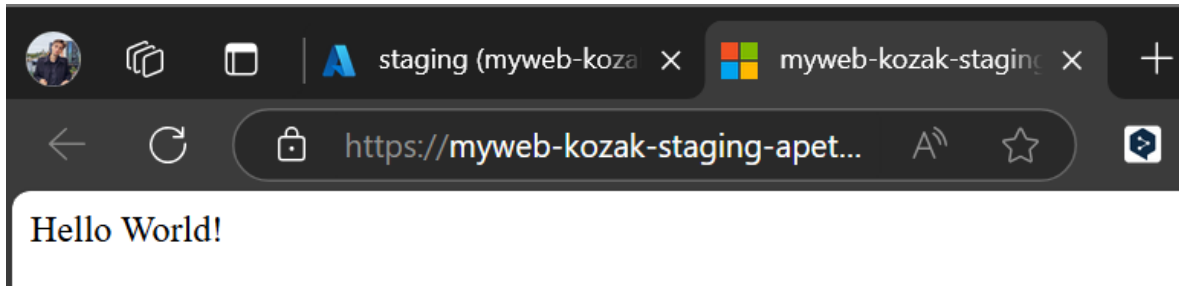
This screenshot shows the 'myweb-kozak' Web App overview page in the Microsoft Azure portal. The interface includes a top navigation bar with the Microsoft logo, a search bar, and a user profile. The main content area is titled 'myweb-kozak Web App' and features a search bar, a 'Browse' button, and a 'Stop' button. Below the buttons, there is a 'JSON View' link. The 'Overview' section is selected, showing the following details: Resource group (az104-rg9), Status (Unknown: 1), Location (East US), Subscription (Azure for Students), Subscription ID (16fcb738-3661-4bf0-8442-5f3f16e61ad0), Default domain (myweb-kozak-afa2cre5dbbfajhf.eastus-01.azure...), App Service Plan (ASP-az104rg9-95f9 (S1: 1)), Operating System (Linux), and Health Check (Not Configured). A left sidebar contains a list of navigation options: Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Microsoft Defender for Cloud, Events (preview), Recommended services (preview), Resource visualizer, Deployment, Deployment slots, Deployment Center, Settings, Performance, and App Service plan.

Task 2: Create and configure a deployment slot.



Task 3: Configure web app deployment settings.





Task 4: Swap deployment slots.

The screenshot shows the Microsoft Azure portal interface. The breadcrumb navigation indicates the path: Home > staging (myweb-kozak/staging). The main heading is 'staging (myweb-kozak/staging) | Deployment slots'. Below this, there is a table listing the deployment slots.

Name	Status	App service plan	Traffic %
myweb-kozak PRODUCTION	Running	ASP-az104rg9-95f9	100
myweb-kozak-staging	Running	ASP-az104rg9-95f9	0

Task 5: Configure and test autoscaling of the Azure web app.

The screenshot shows the Microsoft Azure portal interface for configuring autoscaling. The breadcrumb navigation indicates the path: Home > staging (myweb-kozak/staging). The main heading is 'staging (myweb-kozak/staging) | Scale out (App Service plan)'. A notification banner at the top states: 'Scale out app. The scale out operation for the app 'myweb-kozak' has been submitted.'

The 'Scale out method' section shows the following options:

- ☐ Manual: Maintain a constant instance count for your application
- ☒ Automatic: Platform managed scale out and in based on traffic
- ☐ Rules Based: User defined rules to scale on a schedule or based on any app metric

The 'Maximum burst' section shows a slider set to 2.

Microsoft Azure

Search resources, services, and docs (G+/)

Copilot

...

>

Azure Load Testing

>

Create a load testing resource

...

✕

✓ Validation passed.

Basics

Encryption

Tags

Review + create

Basics

Subscription

Azure for Students

Resource group

az104-rg9

Name

loadkozak

Region

East US

Encryption

Encryption type

MMK

Microsoft Azure

Search resources, services, and docs (G+/)

Copilot

Home

>

loadkozak

>

Create a URL-based test

...

✕

✓ Validation passed.

Basics

Test plan

Parameters

Load

Monitoring

Test criteria

Review + create

Basics

Test tool

JMeter

Test name

Test_3/26/2025_1:54:32 PM

Test description

Debug mode

Disabled

Test plan

Test method

URL

Requests

Request1

Input data files

Load

Engine instances

1

Load pattern

Linear

Concurrent users per engine

50

Test duration (minutes)

20

Previous

Next

Create

