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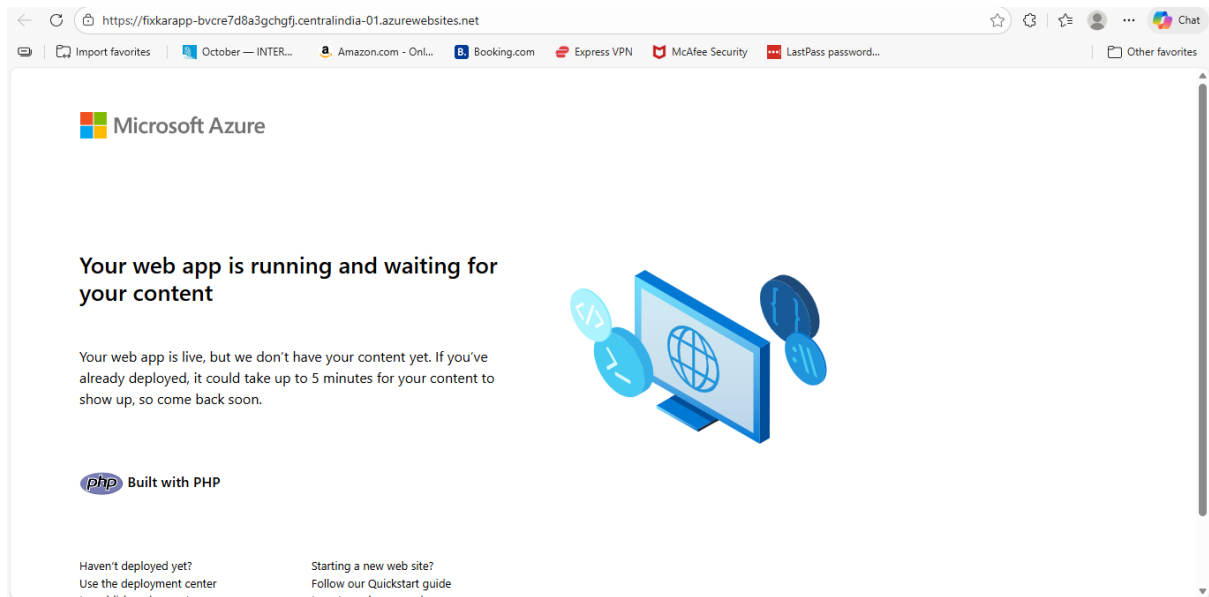
Section: A

LAB: 09-A

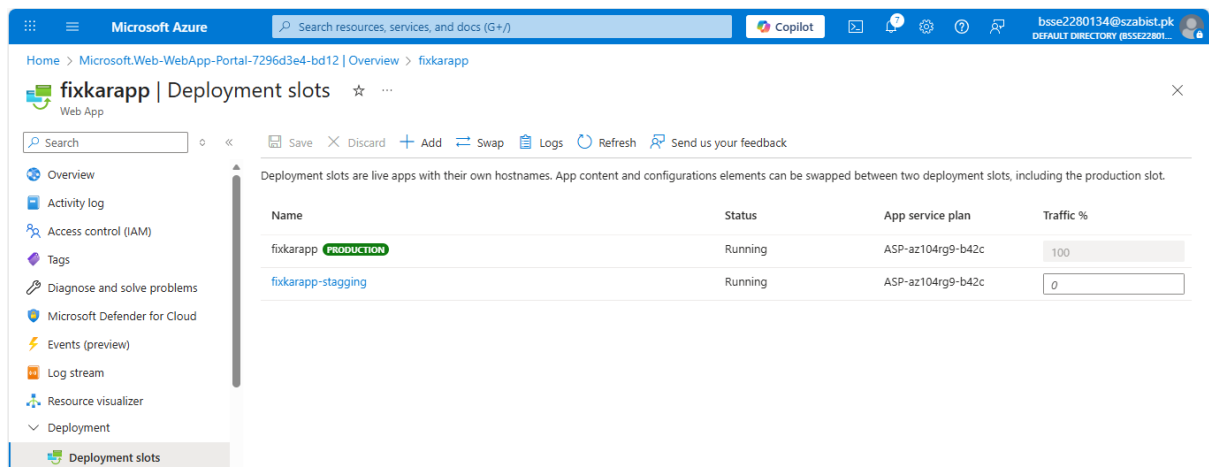
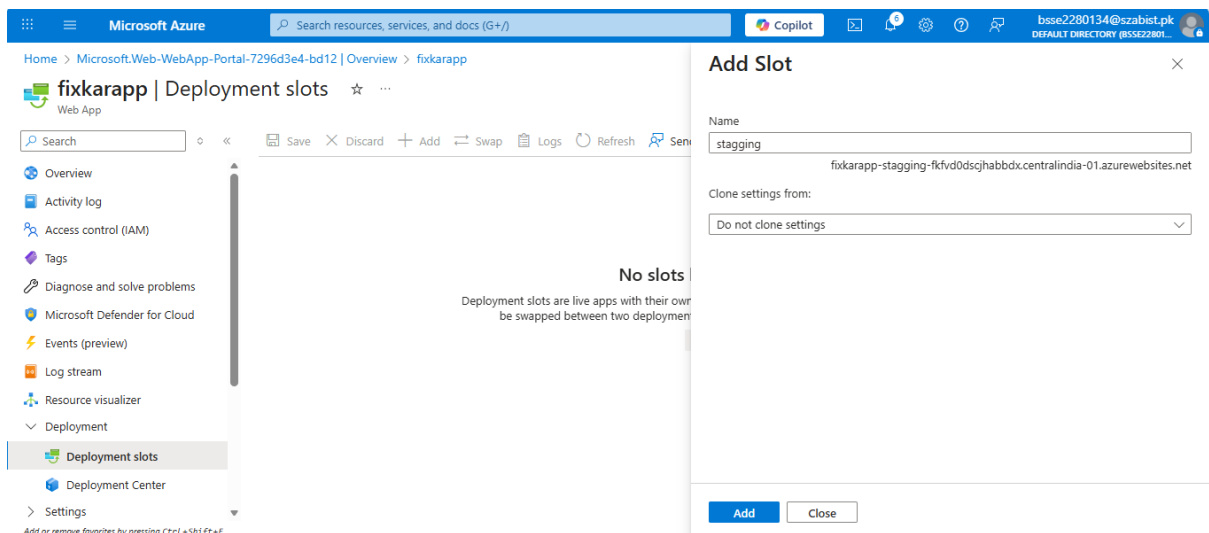
Task 1: Create and configure an Azure web app.

This screenshot shows the 'Create Web App' wizard in the Microsoft Azure portal. The top navigation bar includes the Microsoft Azure logo, a search bar, and the user profile 'bsse2280134@szabiet.pk'. The breadcrumb trail is 'Home > App Services >'. The main heading is 'Create Web App'. Below this, the 'Summary' section shows a 'Web App by Microsoft' icon, the 'Premium V3 (P1V3) sku' with an estimated price of 119.72 USD/Month, and a blue information box stating 'Basic authentication for this app is currently disabled and may impact deployments. Click to learn more.' The 'Details' section lists the following information: Subscription (2abc1374-49a7-48c3-b0a8-366511eba3ea), Resource Group (az104-rg9), Name (fixkarapp), Secure unique default hostname (Enabled), Publish (Code), and Runtime stack (PHP 8.2). At the bottom, there are buttons for 'Create', '< Previous', 'Next >', and a link to 'Download a template for automation'.

This screenshot shows the 'Overview' page for the 'fixkarapp' web app in the Microsoft Azure portal. The top navigation bar is the same as the previous screenshot. The breadcrumb trail is 'Home > Microsoft.Web-WebApp-Portal-7296d3e4-bd12 | Overview >'. The main heading is 'fixkarapp Web App'. Below the heading is a search bar and a row of action buttons: 'Browse', 'Stop', 'Swap', 'Restart', 'Delete', 'Refresh', 'Download publish profile', 'Reset publish profile', and 'Share to mobile'. The left sidebar contains a list of navigation options: 'Overview' (selected), 'Activity log', 'Access control (IAM)', 'Tags', 'Diagnose and solve problems', 'Microsoft Defender for Cloud', 'Events (preview)', 'Log stream', 'Resource visualizer', 'Deployment', 'Settings', 'Performance', and 'App Service plan'. The main content area is divided into two sections. The 'Essentials' section displays key properties: Resource group (az104-rg9), Status (Running), Location (Central India), Subscription (Azure for Students), Subscription ID (2abc1374-49a7-48c3-b0a8-366511eba3ea), Tags (Add tags), Default domain (fixkarapp-bvcre7d8a3gchgfj.centralindia-01.azureweb...), App Service Plan (ASP-az104rg9-b42c (F1: 1)), Operating System (Linux), and Health Check (Not Configured). The 'Properties' section is currently selected and shows details for the 'Web app': Name (fixkarapp), Publishing model (Code), Runtime Stack (Php - 8.2), and Runtime status (Issues Detected). Other tabs available are 'Monitoring', 'Logs', 'Capabilities', 'Notifications', and 'Recommendations'. A 'JSON View' link is located in the top right corner of the main content area.



Task 2: Create and configure a deployment slot.



Task 3: Configure Web App deployment settings

The screenshot displays the Microsoft Azure portal interface for configuring a Web App deployment slot. The top section shows the 'staging (fixkarapp/stagging)' slot with settings for Source (External Git), Repository (https://github.com/Azure-Samples/php-docs-hello-world), Branch (master), and Repository type (Public). The bottom section shows the 'staging (fixkarapp/stagging)' slot with settings for Build provider (App Service Build Service), Runtime stack (PHP), and Version (8.2). The browser address bar shows the URL https://fixkarapp-stagging-fkfv0dscjhbbdx.centralindia-01.azurewebsites.net and the page content displays 'Hello World!'.

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

Home > Microsoft.Web-WebApp-Portal-7296d3e4-bd12 | Overview > fixkarapp | Deployment slots > staging (fixkarapp/stagging)

staging (fixkarapp/stagging) | Deployment Center

App Service (Slot)

Search

Access control (IAM)

Tags

Diagnose and solve problems

Microsoft Defender for Cloud

Log stream

Resource visualizer

Deployment

Deployment slots

Deployment Center

Settings

Environment variables

Configuration (preview)

Instances

Add or remove favorites by pressing Ctrl+Shift+F

Settings Containers (new) Logs FTPS Credentials

Save Discard Refresh Browse Sync Send us your feedback

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

Source * External Git

Building with App Service Build Service [Change provider](#)

External Git

If your code is not on GitHub or Bitbucket, you can use this option to manually sync your code from the repository. When you sync your repository, App Service will pull your code, build your application, and deploy it to your app.

Repository * https://github.com/Azure-Samples/php-docs-hello-world

Branch * master

Repository type * ☒ Public ☐ Private

Settings Containers (new) Logs FTPS Credentials

Save Discard Refresh Browse Sync Send us your feedback

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

Source External Git [Disconnect](#)

External Git

Repository https://github.com/Azure-Samples/php-docs-hello-world

Branch master

Build

Build provider App Service Build Service

Runtime stack PHP

Version 8.2

https://fixkarapp-stagging-fkfv0dscjhbbdx.centralindia-01.azurewebsites.net

Import favorites October — INTER... Amazon.com - Onl... Booking.com Express VPN McAfee Security LastPass password... Other favorites

Hello World!

Task 4: Swap deployment slots

Microsoft Azure | Search resources, services, and docs (G+/I)

Home > App Services > fixkarapp

fixkarapp | Deployment slots

Web App

Search

Save Discard Add Swap Logs Refresh

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
fixkarapp PRODUCTION	Running	ASP-az104rg9-b42c	100%
fixkarapp-staging	Running	ASP-az104rg9-b42c	0%

Notifications

More events in the activity log → Dismiss all

Swapping slots

Successfully swapped slots 'staging' and 'production'

a few seconds ago

https://fixkarapp-bvcre7d8a3gchgfj.centralindia-01.azurewebsites.net

Hello World!

Task 5: Configure and test autoscaling of the Azure Web App

Note: Auto scaling isn't possible in student subscription, so did it with manual testing instead

Microsoft Azure | Search resources, services, and docs (G+/I)

Home > App Services > fixkarapp | Diagnose and solve problems > 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: loadtestappzainab
Region: Central India

Encryption

Encryption type: MMK

Previous Next **Create**

Microsoft Azure | Search resources, services, and docs (G+/I)

Home > Microsoft.CloudNativeTesting1766472751699 | Overview >

loadtestappzainab

Azure Load Testing

How do I troubleshoot this Azure Load Testing? Summarize properties of this Azure Load Testing. List recent tests executed on this Azure Load Testing.

Search Refresh Delete resource Manage budget Give feedback

Overview

Activity log Access control (IAM) Tags Resource visualizer Tests Settings Monitoring Automation Help

Essentials

Resource group (move): az104-rg9
Status: ---
Location: Central India

Subscription (move): Azure for Students
Subscription ID: 2abcf1374-49a7-48c3-b0a8-366511eba3ea
VUH usage (current mon...): 0 / No limit

Get started Test runs Tutorials

Load test your application and infrastructure

Create by adding HTTP requests
Create a test by adding your HTTP endpoints and request details in portal.
Create

Run existing scripts at scale
Create a test by uploading JMeter or Locust scripts.
Create

Create scripts using Copilot
AI-powered Locust scripting in VS Code using GitHub Copilot.
Get extension

https://portal.azure.com/# Ctrl+Shift+F

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

bsse2280134@szabist.pk

Home > Microsoft.CloudNativeTesting1766472751699 | Overview > loadtestappzainab

Create a URL-based test

Basics Test plan Parameters Load Monitoring Test criteria

Requests

Enter the request details that you want to test. You can add up to 5 requests in a test.

+ Add request

Name

Add requests to the test.

Input data files

Upload the input data files in CSV format with ';' as the delimiter. The file should not have header row. Provide comma-separated variable names below instead of using a header row. You can use the variable name in your request as \${ColumnName}.

Choose files

Select a file

Previous Next Review + create

Add request

Enter the request details like URL, method, headers and body or add a cURL command. You can add up to 20 headers. Extract data into response variables to use in any subsequent requests as \${VariableName}. [Learn more](#)

Request format

☒ Add input in UI

☐ Add cURL command

Request name

Request1

URL

<https://fixkarapp-bvcre7d8a3gchgjf.centralindia-01.azurewebsites.net>

E.g. <https://azure.microsoft.com>

HTTP method

GET

Query parameters Headers Response variables

Query parameters

Name

Value

URL Encode?

Copy as cURL

Add Cancel

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

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Home > Microsoft.CloudNativeTesting1766472751699 | Overview > loadtestappzainab

Create a URL-based test

Basics Test plan Parameters Load Monitoring Test criteria Review + create

Requests

Enter the request details that you want to test. You can add up to 5 requests in a test. [Learn more](#)

+ Add request

Name

Request1

Input data files

Upload the input data files in CSV format with ';' as the delimiter. The file should not have header row. Provide comma-separated variable names below instead of using a header row. You can use the variable name in your request as \${ColumnName}.

Choose files

Select a file

Upload

Previous Next Review + create

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

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Home > loadtestappzainab

loadtestappzainab | Tests

Azure Load Testing

Search

+ Create

Set up CI/CD

Refresh

Give feedback

Overview

Activity log

Access control (IAM)

Tags

Resource visualizer

Tests

Search

Time range: None

Name	Description	Test type	Updated on	Updated by
Test_12/23/2025_12:06:43 PM		URL	23/12/2025, 12:06:43 pm	bsse2280134@szabist.pk

