

App Services

Azure App Service is a Platform-as-a-Service (PaaS) offering from Microsoft that enables developers to build, deploy, and scale web applications, mobile backends, and REST APIs.

Key Features of App Services:

- 1. Fully Managed Platform**
- 2. Multiple Language and Framework Support**
- 3. Continuous Integration and Deployment (CI/CD)**
- 4. Auto Scaling & Load Balancing**

Azure App Services enables quick and scalable hosting of static web pages with minimal configuration and seamless deployment options.

First, navigate to the Azure Portal home page at <https://portal.azure.com> to begin creating your App Service for hosting a static web page.

The screenshot shows the Azure Portal interface. At the top, there's a search bar with the placeholder "Search resources, services, and docs (G+)" and a "Copilot" button. Below the search bar, the "Azure services" section is visible, featuring icons for "Create a resource", "App Services", "SQL databases", "Virtual machines", "Storage accounts", "All resources", "Azure Database for MySQL...", "Subscriptions", "Resource groups", and "More services". The "Resources" section below shows a list of recent and favorite resources, including "SUB-SIT-AZURE-BOOTCAMP", "sadasdadsad_group", "demoankit_group", and "demoankitweb_group", along with their type, subscription, and last viewed times.

Next, click on the search bar at the top of the Azure Portal and type 'App Services' to locate the service.

The screenshot shows the Azure Portal search results for "app services". The search bar at the top contains the query "app services". Below the search bar, the "Azure services" section is visible, with the "App Services" icon highlighted with a red box. The search results show a list of services under "Services (97)", including "App Services", "Function App", "Web App", "App Service Plan", and "WordPress". There are also sections for "Marketplace (10)" (e.g., "Function App", "Web App", "App Service Plan", "WordPress"), "Documentation" (e.g., "Azure Architecture Center - Azure Architecture Center", "Azure developer documentation"), and "Last Viewed" (e.g., "21 minutes ago", "43 minutes ago", "45 minutes ago", "an hour ago", "20 hours ago", "21 hours ago").

Click on the 'App Services' option that appears in the search results, as shown in the image.

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The screenshot shows the Microsoft Azure App Services dashboard. At the top, there's a navigation bar with 'Microsoft Azure', 'Upgrade', 'Search resources, services, and docs (G+)', 'Copilot', and user information. Below the navigation is a toolbar with various icons like 'Create', 'Manage Deleted Apps', 'Manage view', 'Refresh', 'Export to CSV', 'Open query', 'Assign tags', 'Start', 'Restart', 'Stop', and 'Delete'. A dropdown menu 'Group by none' is visible. The main area is titled 'App Services' with a 'Default Directory' link. A red box highlights the 'Create' button. Below it, there are categories: '+ Web App' (highlighted), '+ Static Web App', '+ Web App + Database', and '+ WordPress on App Service'. A search bar at the bottom allows filtering by 'Subscription equals all', 'Resource Group equals all', 'Type equals all', 'Location equals all', and 'Add filter'. The center of the page displays a 'No app services to display' message with a circular icon and a brief description: 'Create, build, deploy, and manage powerful web, mobile, and API apps for employees or customers using a single back-end. Build standards-based web apps and APIs using .NET, Java, Node.js, PHP, and Python.' A 'Learn more about App Service' link is provided.

To begin creating your App Service, click on the 'Create' button at the top of the App Services page.

You'll see several options for different types of App Services—select 'Web App' for hosting your static web page.

The screenshot shows the 'Create Web App' wizard in the Microsoft Azure portal. The title bar says 'Create Web App'. The 'Basics' tab is selected. The first section, 'Project Details', asks for a subscription ('SUB-SIT-AZURE-BOOTCAMP') and a resource group ('(New) RG-web'). The second section, 'Instance Details', asks for a name ('1si11mca60'), which is automatically filled with a unique host name suffix ('-dcbeff6c4edbfg.canadacentral-01.azurewebsites.net'). A toggle switch is set to 'Secure unique default hostname on'. The third section, 'Publish', shows 'Code' selected. The fourth section, 'Runtime stack', shows 'PHP 8.4'. The fifth section, 'Operating System', shows 'Linux' selected. The sixth section, 'Region', shows 'Canada Central' selected. A note at the bottom says 'Not finding your App Service Plan? Try a different region or select your App Service Environment.' At the bottom are 'Review + create' and 'Next : Database >' buttons.

Here need to do following thing:

1. Select or create resource group.
2. Give unique name like USN-1si11mca60.
3. Select the running stack(language).

Now click next and go to Deployment section.

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GitHub settings
Set up GitHub Actions to push content to your app whenever there are code changes made to your repository. Note: Your GitHub account must have write access to the selected repository in order to add a workflow file which manages deployments to your app.

GitHub account Organization Repository Branch

Workflow configuration
Click the button below to preview what the GitHub Actions workflow file will look like before setting up continuous deployment.

Complete the Basics tab and the form above to preview the GitHub Actions workflow file.

Authentication settings
Choose if you would like to allow basic authentication to deploy code to your app. [Learn more](#)

Basic authentication

Scroll down in deployment section an **Enable** Basic authentication.

Click on Tags section

Basics Database Deployment Networking Monitor + secure Tags

Tags are name/value pairs that enable you to categorize resources and view consolidated billing by applying the same tag to multiple resources and resource groups.

Note that if you create tags and then change resource settings on other tabs, your tags will be automatically updated.

Name	Value	Resource
TRAINER	: ANKIT	Web App
OWNER	: STUDENT	Web App
		2 selected

After giving tags Click on **Review + create**.

Summary

Web App by Microsoft

Details

Subscription	714820ec-6f63-4f5e-a06a-3c8e50f07e24
Resource Group	RG-web
Name	1si11mca60
Secure unique default hostname	Enabled
Publish	Code
Runtime stack	PHP 8.4
Tags	TRAINER: ANKIT, OWNER: STUDENT

App Service Plan

Name	ASP-demoankitwebgroup-918d
Operating System	Linux
Region	Canada Central
SKU	Basic
Size	Small
ACU	100 total ACU
Memory	1.75 GB memory

Download a template for automation

Review and Click on **Create**.

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The screenshot shows the Microsoft Azure Web App Overview page for a deployment named "Microsoft.Web-WebApp-Portal-ce9d887f-882b". The status bar indicates "Your deployment is complete". Deployment details show the name, subscription, resource group, start time (25/7/2025, 6:58:40 pm), and correlation ID. A red box highlights the "Go to resource" button.

After completion of deployment, Click on **Go to resource**.

The screenshot shows the Microsoft Azure Web App Overview page for a web app named "1si11mca60". The left sidebar shows the navigation menu. The main pane displays deployment details: Resource group (RG-web), Status (Running), Location (Canada Central), Subscription (SUB-SIT-AZURE-BOOTCAMP), and Tags (TRAINER : ANKIT OWNER : STUDENT). A red box highlights the "Go to resource" button.

You can click on **Browse** to see default page.

So now we will deploy some file in our web app with the help of FileZilla.

The screenshot shows the Microsoft Azure Web App Overview page for a web app named "1si11mca60". The left sidebar has "Deployment" selected, with "Deployment slots" and "Deployment Center" also highlighted with red boxes. The main pane displays deployment details: Resource group (RG-web), Status (Running), Location (Canada Central), Subscription (SUB-SIT-AZURE-BOOTCAMP), and Tags (TRAINER : ANKIT OWNER : STUDENT). A red box highlights the "Deployment Center" section.

In left side click on Deployment, in that **Deployment Center**.

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The screenshot shows the Microsoft Azure Deployment Center for a Web App named '1si11mca60'. The 'FTP Credentials' tab is highlighted with a red box. The interface includes a left sidebar with various monitoring and management links, and a main panel for deploying code from different sources.

In Deployment Center go on **FTPS Credentials**.

This screenshot shows the 'FTP Credentials' section of the Azure Deployment Center. It displays the FTP endpoint (https://waws-prod-yl1-107.ftp.azurewebsites.windows.net/site/wwwroot), application-scope credentials (auto-generated), and user-scope credentials fields (username: 1si11mca60:\$1si11mca60, password: masked). A note at the top states: 'App Service supports multiple technologies to access, publish and modify the content of your app. FTPS credentials can be scoped to the application or to the user.'

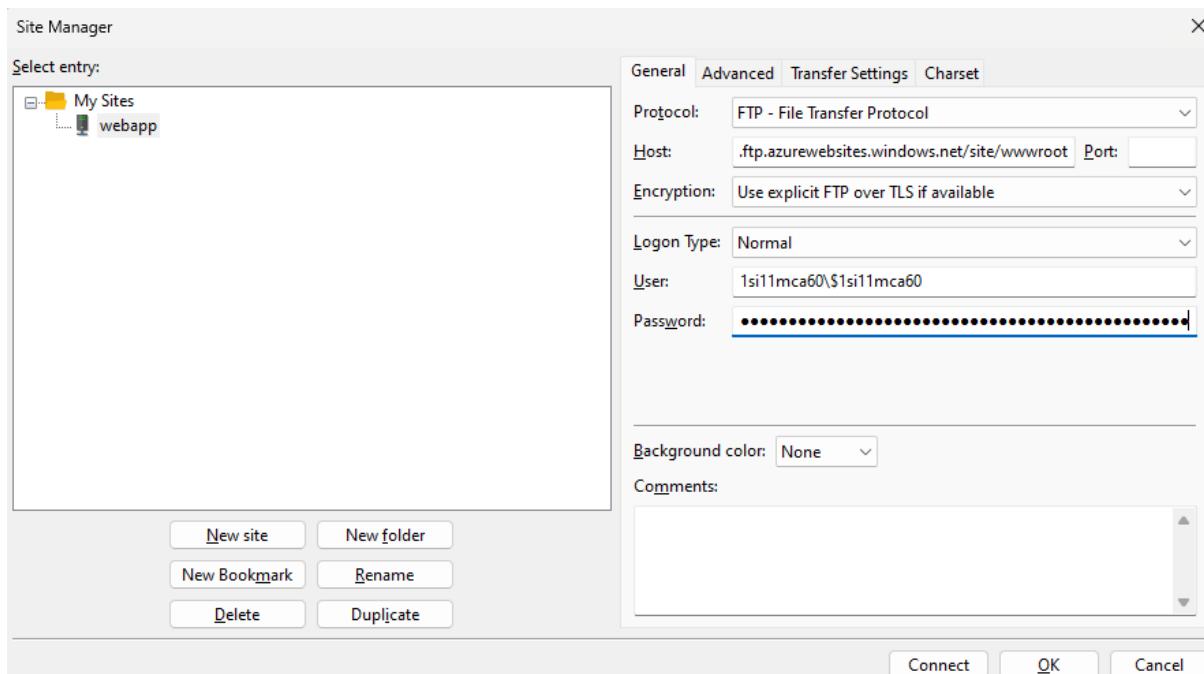
Here you all find the connection credentials.

Now open **FileZilla**.

The screenshot shows the FileZilla interface. The 'Site Manager...' button in the top-left menu bar is highlighted with a red box. The main window displays a file tree under 'Local site' and a 'Remote site' panel.

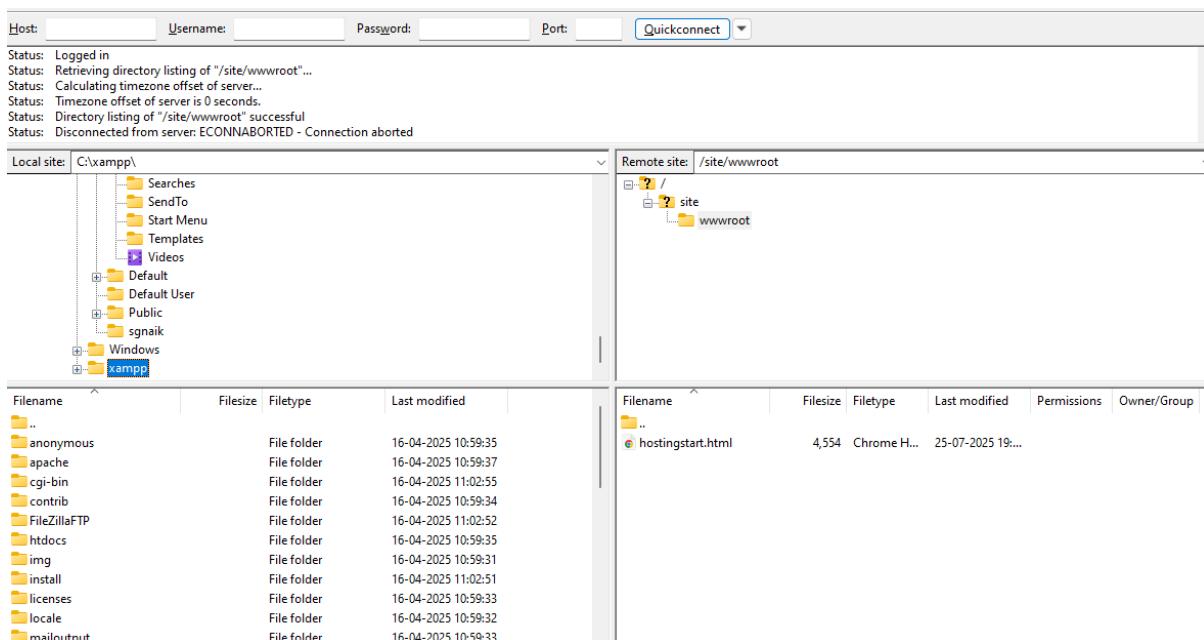
Click on Site Manager in File.

Click **New site**.



Now do the following things:

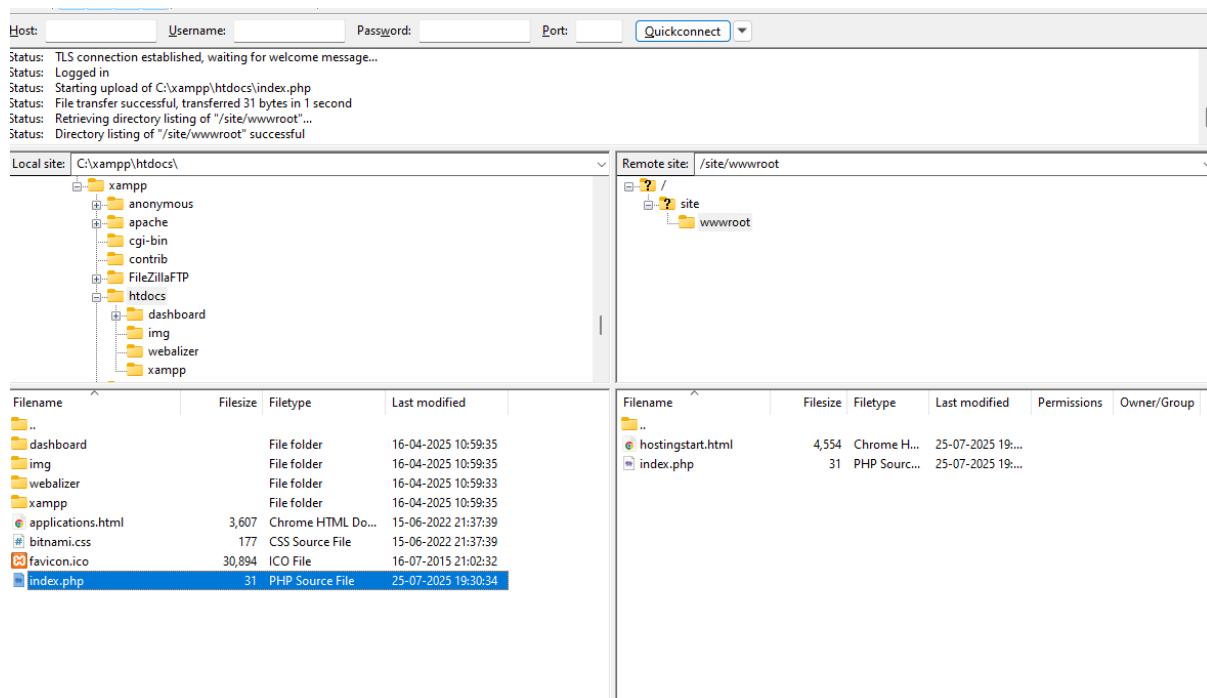
- Select the FTP protocol
- Copy the the HOST, User & Password from the Azure portal.
- Click connect.



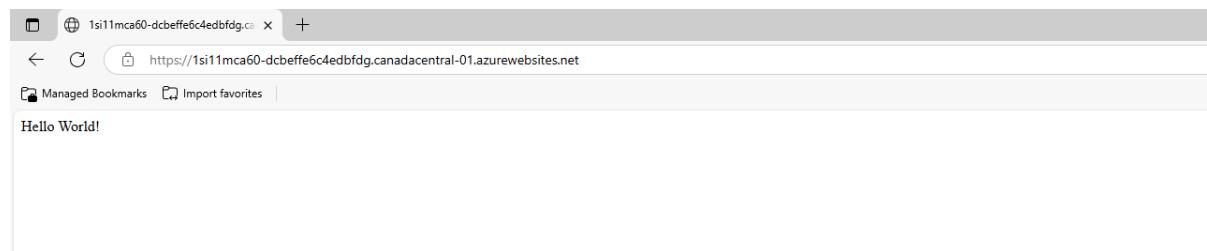
It will show this page. Our server pages is on right hand side.

Now, create the index.php file and print Hello World.

Next we will deploy our index.php file to the server.



Now go to the location where our index.php is located and upload the file to the server.



Now you can Browse again and see the message Hello World!