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Exercise: Create a static HTML web app by using Azure Cloud Shell

15 minutes

This module requires a sandbox to complete.

A **sandbox** gives you access to free resources. Your personal subscription will not be charged. The sandbox may only be used to complete training on Microsoft Learn. Use for any other reason is prohibited, and may result in permanent loss of access to the sandbox.

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Activate sandbox

The free sandbox allows you to create resources in a subset of the Azure global regions. Select a region from the following list when you create resources:

- West US 2
- South Central US
- Central US
- East US
- West Europe
- Southeast Asia
- Japan East
- Brazil South
- Australia Southeast
- Central India

In this exercise, you'll deploy a basic HTML+CSS site to Azure App Service by using the Azure CLI `az webapp up` command. You'll then update the code and redeploy it by using the same command.
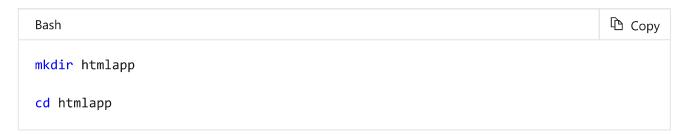
The `az webapp up` command makes it easy to create and update web apps. When executed it performs the following actions:

- Create a default resource group if one isn't specified.
- Create a default app service plan.
- Create an app with the specified name.
- Zip deploy files from the current working directory to the web app.

Download the sample app

In this section you'll use the sandbox to download the sample app and set variables to make some of the commands easier to enter.

1. In the sandbox create a directory and then navigate to it.

Bash	Copy

   ```bash
   mkdir htmlapp

   cd htmlapp
   ```

2. Run the following `git` command to clone the sample app repository to your *htmlapp* directory.

Bash	Copy

   ```bash
   git clone https://github.com/Azure-Samples/html-docs-hello-world.git
   ```

3. Set variables to hold the resource group and app names by running the following commands.

Bash	Copy

   ```bash
   resourceGroup=$(az group list --query "[].{id:name}" -o tsv)
   appName=az204app$RANDOM
   ```

Create the web app

1. Change to the directory that contains the sample code and run the `az webapp up` command. In the following example, replace `<myLocation>` with a region near you.

Bash	⧉ Copy

```bash
cd html-docs-hello-world

az webapp up -g $resourceGroup -n $appName --html
```

This command may take a few minutes to run. While running, it displays information similar to the example below.

JSON	⧉ Copy

```json
{
"app_url": "https://<myAppName>.azurewebsites.net",
"location": "westeurope",
"name": "<app_name>",
"os": "Windows",
"resourcegroup": "<resource_group_name>",
"serverfarm": "appsvc_asp_Windows_westeurope",
"sku": "FREE",
"src_path": "/home/<username>/demoHTML/html-docs-hello-world ",
< JSON data removed for brevity. >
}
```

2. Open a new tab in your browser and navigate to the app URL (`https://<myAppName>.azurewebsites.net`) and verify the app is running - take note of the title at the top of the page. Leave the browser open on the app for the next section.

> ⓘ **Note**
>
> You can copy `<myAppName>.azurewebsites.net` from the output of the previous command, or select the URL in the output to open the site in a new tab.

Update and redeploy the app

1. In the Cloud Shell, type `code index.html` to open the editor. In the `<h1>` heading tag, change *Azure App Service - Sample Static HTML Site* to *Azure App Service Updated* - or to anything else that you'd like.

2. Use the commands **ctrl-s** to save and **ctrl-q** to exit.

3. Redeploy the app with the same `az webapp up` command you used earlier.

Bash	🗐 Copy

```
az webapp up -g $resourceGroup -n $appName --html
```

> 💡 **Tip**
>
> You can use the up arrow on your keyboard to scroll through previous commands.

4. Once deployment is completed switch back to the browser from step 2 in the "Create the web app" section above and refresh the page.

Next unit: Knowledge check

Continue >

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