AZ 204 Labworks

Deploy a WebApp Service

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# Deploy an App Service from Portal

## Create Resource Group, WebApp Plan and WebApp Service

Login to portal.azure.com

Search for App Services

Graphical user interface, text, application, email

Description automatically generated

Click on Create

Graphical user interface, text, application, email

Description automatically generated

If you don’t have a resource group, it will ask you to create one:

Graphical user interface, text, application, chat or text message

Description automatically generated

Continuing to the AppService, I’ve entered .NET 3.5 as the runtime environment and the OS as Windows.

The plan chosen is Free F1

Graphical user interface, text, application, email

Description automatically generated

In Deployment tab, the continuous deployment is Disabled

In Monitor screen, no monitoring is needed.

In the Review + Create screen, click on ‘Download a template for automation’ to download the JSON file

Graphical user interface, text, application

Description automatically generated

Download the file locally. The downloaded ZIP contains two JSON files – one for template and one for the parameters

Graphical user interface, application

Description automatically generated

## Verify the creation of the WebApp Service

Go back to the Create WebApp page and click on Create. Refresh the page after a few seconds and the AppService is ready

Graphical user interface, text, application, email

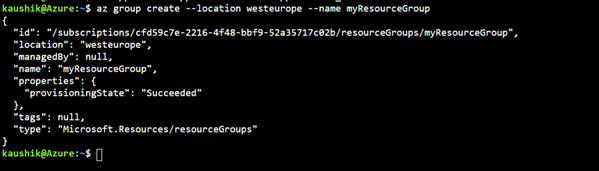
Description automatically generated

# Deploy WebApp Service using CLI

## Create the Resource Group

webappname=mywebapp$RANDOM

az group create --location westeurope --name myResourceGroup



## Create a WebApp Plan

az appservice plan create --name KaushikWebApp13112021\_1 --resource-group myResourceGroup --sku FREE

Text

Description automatically generated

## Create the WebApp Service

az webapp create --name $webappname --resource-group myResourceGroup --plan $webappname

Text

Description automatically generated

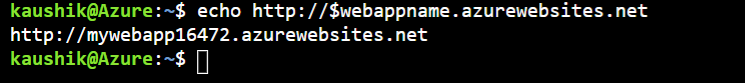
## Deploy the WebApp

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

az webapp deployment source config --name $webappname --resource-group myResourceGroup --repo-url $gitrepo --branch master --manual-integration



## Test the Deployment



Click on the link to open the URL

Graphical user interface, application

Description automatically generated

# Deploy WebApp Service from PowerShell

## Create the Resource Group

$webappname="mywebapp$(Get-Random)"

$location="West Europe"

New-AzResourceGroup -Name myResourceGroup -Location $location

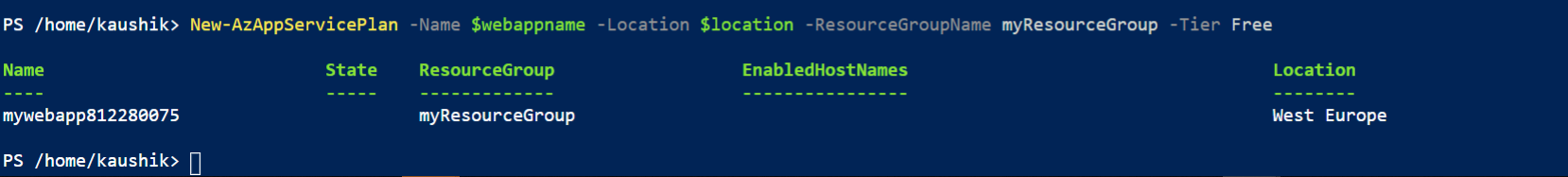
It prompted for Confirmation since the Resource Group already existed from the CLI deployment done earlier

Graphical user interface, text

Description automatically generated

## Create the WebApp Plan

New-AzAppServicePlan -Name $webappname -Location $location -ResourceGroupName myResourceGroup -Tier Free



## Create the WebApp Service

New-AzWebApp -Name $webappname -Location $location -ResourceGroupName myResourceGroup -AppServicePlan $webappname

Graphical user interface, text, application

Description automatically generated

## Deploy the WebApp

$gitrepo=https://github.com/Azure-Samples/app-service-web-dotnet-get-started.git

$PropertiesObject=@{

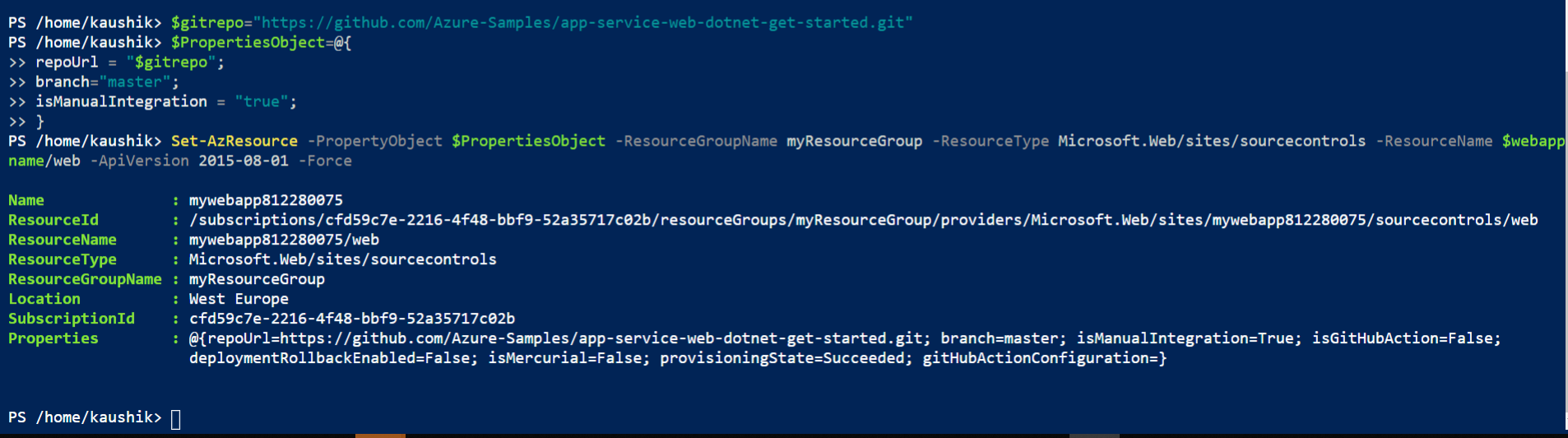
repoUrl = "$gitrepo";

branch="master";

isManualIntegration = "true";

}

Set-AzResource -PropertyObject $PropertiesObject -ResourceGroupName myResourceGroup -ResourceType Microsoft.Web/sites/sourcecontrols -ResourceName $webappname/web -ApiVersion 2015-08-01 -Force



## Test the WebApp

https://mywebapp812280075.azurewebsites.net/

Graphical user interface, website

Description automatically generated

# Delete all resources

Go to All Resources 🡪 Select all resources created for the lab 🡪 Delete