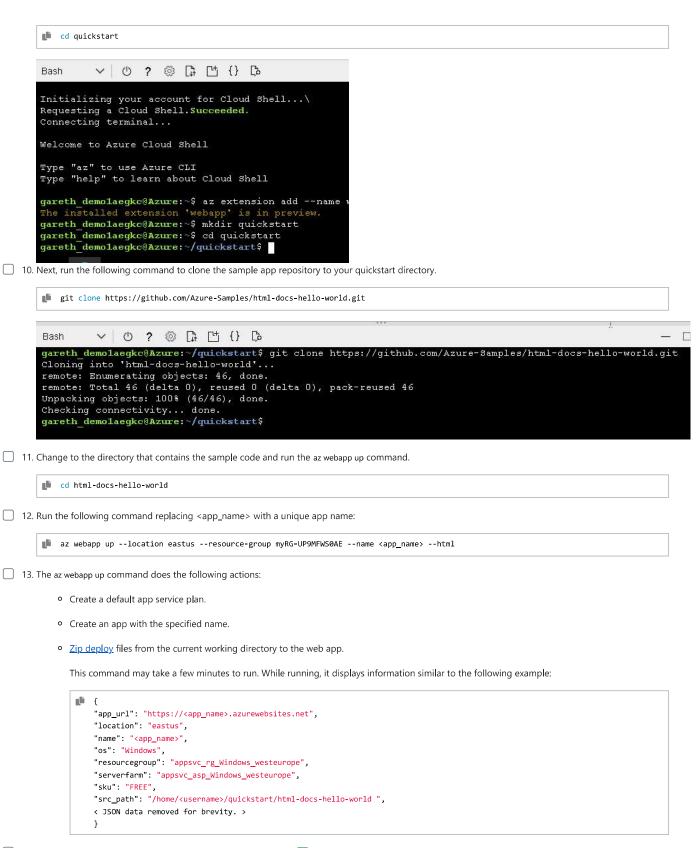
Module 14 - Lab 2: Azure App Services (Optional) - Advanced Settings

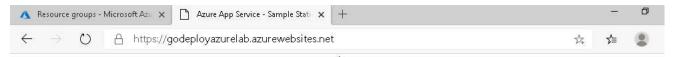
Task 1: Create a static HTML web app in Azure CLI

	calable, self-patching web hosting service. oud Shell but you can also run these comm	This lab shows how to deploy a basic HTML+CSS nands locally with Azure CLI.	site to Azure Web
1. Navigate to f portal.azure.com ar	d login using username <u> sheikhnasir3LZ3</u>	BU@gdcs4.com and password f @pz0UfTcC8pgiKPR	<u>3</u> .
2. Open the Cloud Shell in Bash mo	de.		
3. Click Show advanced settings .			
Azure Cloud Sh This will create a new storage	ou have no storage mounted ell requires an Azure file share to persist files. Lean account for you and this will incur a small month		
ŗ	Subscription	vadvanced settings	
	CloudShare7 Show	advanced settings	
	eate storage Close Use existing Resource group and select the	pre-provisioned resource group for the lab.	
	You have no storage mounted	×	
* Subscription	* Cloud Shell region		
CloudShare7	East US	Hide advanced settings	
* Resource group	* Storage account	* File share	
Oreate new Use existing Onpremrq-5ff14358fe7	Create new Use existing Required field	Create new	
5. Enter a name for the storage according	Create storage Close unt (this must be unique) and type 🖍 cloud	Idshell as the name of the File share then click Cre	ate Storage.
	You have no storage mounted	d ×	
* Subscription	* Cloud Shell region		
CloudShare7	East US	Hide advanced settings	
CloudShare7 * Resource group ○ Create new ● Use existing	* Storage account © Create new Use existing	# File share © Create new Use existing	
* Resource group	* Storage account	* File share	
* Resource group Create new Use existing onpremrg-5ff14358fe7	* Storage account © Create new Use existing	* File share © Create new Use existing	
* Resource group Create new Use existing onpremrg-5ff14358fe7	* Storage account © Create new Use existing thisisauniquename leave refer to the Cloud Shell documentation.	* File share © Create new Use existing	
* Resource group Oreate new Use existing onpremrg-5ff14358fe7 For guidance on Cloud Shell storage, p	* Storage account © Create new Use existing thisisauniquename leave refer to the Cloud Shell documentation. Create storage Close	* File share © Create new Use existing	
* Resource group Create new Use existing onpremrg-5ff14358fe7 For guidance on Cloud Shell storage, p	* Storage account © Create new Use existing thisisauniquename leave refer to the Cloud Shell documentation. Create storage Close In the following command:	* File share © Create new Use existing	
* Resource group Create new Use existing onpremrg-5ff14358fe7 For guidance on Cloud Shell storage, p 6. Your Cloud Shell will now launch. 7. To install the webapp extension, ru az extension addname we	* Storage account © Create new Use existing thisisauniquename leave refer to the Cloud Shell documentation. Create storage Close In the following command:	* File share © Create new Use existing cloudshell	
* Resource group Create new Use existing onpremrg-5ff14358fe7 For guidance on Cloud Shell storage, p 6. Your Cloud Shell will now launch. 7. To install the webapp extension, ru az extension addname we	* Storage account © Create new Use existing thisisauniquename lleave refer to the Cloud Shell documentation. Create storage Close In the following command: bapp alled, the Cloud Shell shows the following in	* File share © Create new Use existing cloudshell	
* Resource group Create new Use existing onpremrg-5ff14358fe7 For guidance on Cloud Shell storage, p 6. Your Cloud Shell will now launch. 7. To install the webapp extension, ru az extension addname we 8. When the extension has been installed extension 'webapp' is in p	* Storage account	* File share © Create new Use existing cloudshell	nands.



14. Browse to the app. In a browser, go to the Azure web app URL: http://<app_name>.azurewebsites.net.

The page is running as an Azure App Service web app.



Azure App Service - Sample Static HTML Site



Azure App Service Web Apps

App Service Web Apps is a fully managed compute platform that is optimized for hosting websites and web applications. This platform-as-a-service (PaaS) offering of Microsoft Azure lets you focus on your business logic while Azure takes care of the infrastructure to run and scale your apps.



Azure Content Delivery Network (CDN)

The Azure Content Delivery Network (CDN) caches static web content at strategically placed locations to provide maximum throughput for delivering content to users. The CDN offers developers a global solution for delivering high-bandwidth content by caching the content at physical nodes across the world.

Task 2: Update and redeploy the app

1. In the Cloud Shell, type the following command and press enter to open the nano text editor.



2. In the <h1> heading tag, change "Azure App Service - Sample Static HTML Site" to "Azure App Service", as shown below.



- 3. Save your changes Use the command $^{\circ}O(Ctrl + O)$ then **Enter** and $^{\circ}X(Ctrl + X)$ to exit nano.
- 4. You'll now redeploy the app with the same az webapp up command:

az webapp up --location eastus --resource-group myRG-UP9MFWSØAE --name <app_name> --html

5. Once deployment has completed, switch back to the browser window that opened in the **Browse to the app** step, and refresh the page.



Azure App Service



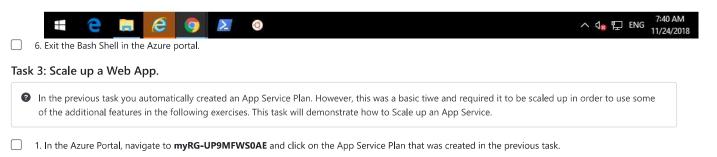
Azure App Service Web Apps

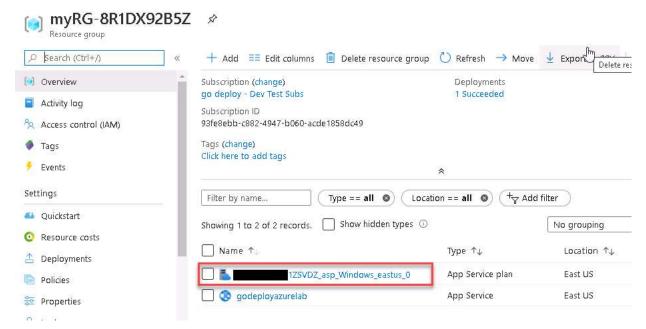
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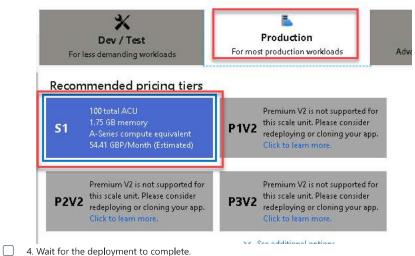
Azure Content Delivery Network (CDN)

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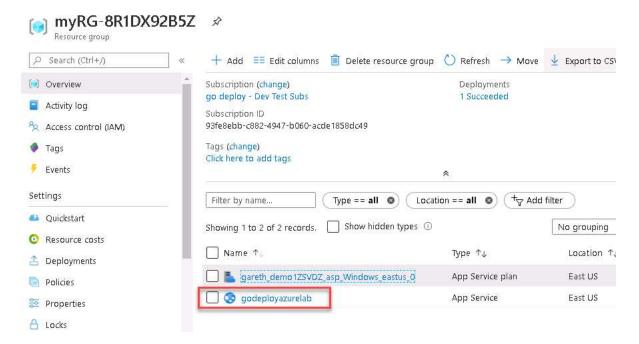


- 2. Click on **Scale up (App Service plan)**.
- 3. Select the Production, then select P1V2 tier and click Apply.

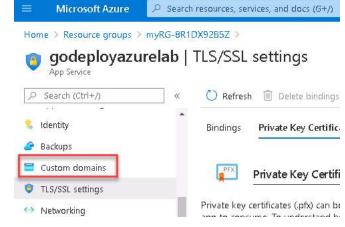


Task 4: Add a custom domain and certificate to a Web App.

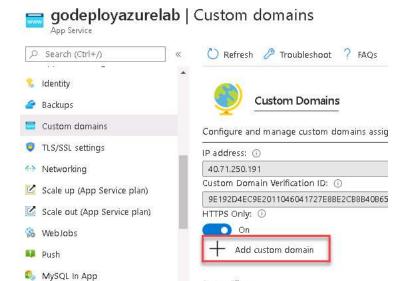
- 1 In this task you will add a Public Domain name (Custom Domain) and Public Certificate (SSL) to your web app.
- 1. Open File Explorer and navigate to the E: drive. Note the Certificate file.
- 2. In the Azure Portal select your App Service.



3. Click Custom domains.



4. Click Add custom domain.



5. In the lab environment, click the **DNS tab** and identify your **Lab Domain Name** that you have been allocated in the format **labxxxxxx.godeploylabs.com**.

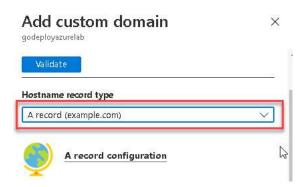
Status Filter



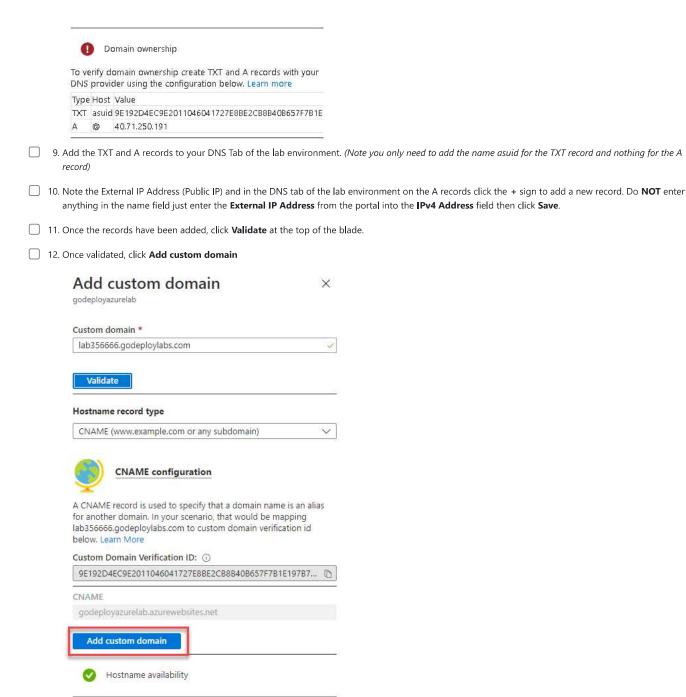
6. In the Hostname field enter your domain name in unrecognised token (\$gd.com(labDomain).fqdn) and click Validate.



7. In the Hostname record type select **A record (example.com)**.

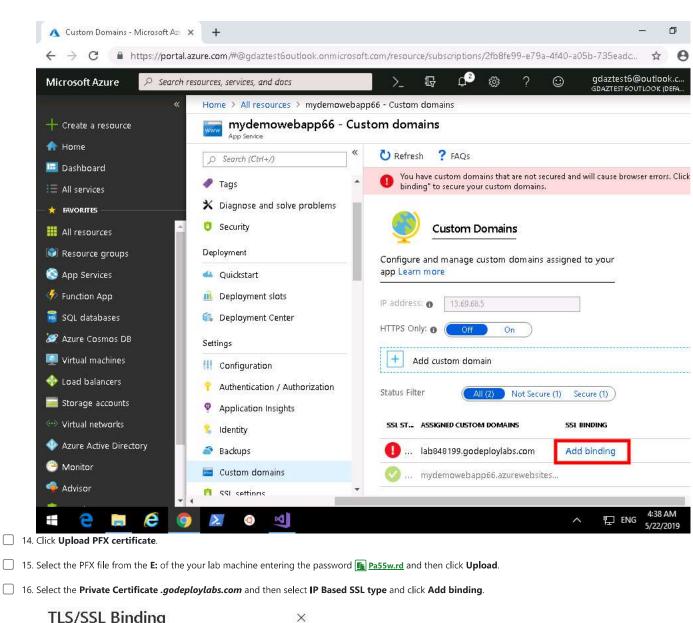


8. Scroll down to the bottom of the Add custom domain blade and note the two DNS records that are required to verify Domain ownership.



13. Navigate back to the Azure Portal and click **Add Binding**.

Domain ownership





Use the dropdowns to select the Hostname to secure with SSL, and the certificate to use. You may also select whether to use Server Name Indication (SNI) or IP based SSL. Learn more Custom domain * lab356666.godeploylabs.com Private Certificate Thumbprint * *.godeploylabs.com (06CAF813E8E58E0845B692A700468... V IP Based SSL bindings are limited to 10 unique certificate bindings per App Service plan. You may have any number of bindings with the same certificate, but if you add a different certificate it will contribute to the unique count limit of 10 If your custom domain is an A record then you may need to update it to point to a new IP address that you get after enabling IP Based SSL binding TLS/SSL Type: * IP Based SSL

