

Implement Web Apps

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Task 1: Create and configure an Azure web app.

Create Web App ...

[Create new](#)

Instance Details

Name ✓
-gyawenejhpeefkh6.eastus-01.azurewebsites.net

☒ Secure unique default hostname on. [More about this update](#)

Publish ☒ Code ☐ Container

Runtime stack

Operating System ☒ Linux ☐ Windows

Region

Pricing plans

App Service plan pricing tier determines the location, features, cost and compute resources associated with your app. [Learn more](#)

Linux Plan (East US) ✓
[Create new](#)

Pricing plan ✓
[Explore pricing plans](#)


Zone redundancy

An App Service plan can be deployed as a zone redundant service in the regions that support it. This is a deployment time only decision. You can't make an App Service plan zone redundant after it has been deployed [Learn more](#)



Zone redundancy ☐ **Enabled:** Your App Service plan and the apps in it will be zone redundant. The minimum App Service plan instance count will be three.






☒ **Disabled:** Your App Service Plan and the apps in it will not be zone redundant. The minimum App Service plan instance count will be one.


Figure 1. Creating a web app.


Microsoft.Web-WebApp-Portal-dc826c58-a83a | Overview  ...


Deployment


Search  


 Delete  Cancel  Redeploy  Download  Refresh



 Overview

 Inputs

 Outputs

 Template

 Your deployment is complete

 Deployment name: Microsoft.Web-WebApp-Portal-dc826c58-a83a Start time: 3/22/2025, 11:36:40 PM
Subscription: [Azure subscription 1](#) Correlation ID: 80742ae9-c314-4768-812a-33ace7bacb33 
Resource group: [az104-rg9](#)

Deployment details

Next steps

[Manage deployments for your app.](#) Recommended

[Protect your app with authentication.](#) Recommended

[Add a deployment slot.](#) Recommended

[Go to resource](#)

Give feedback


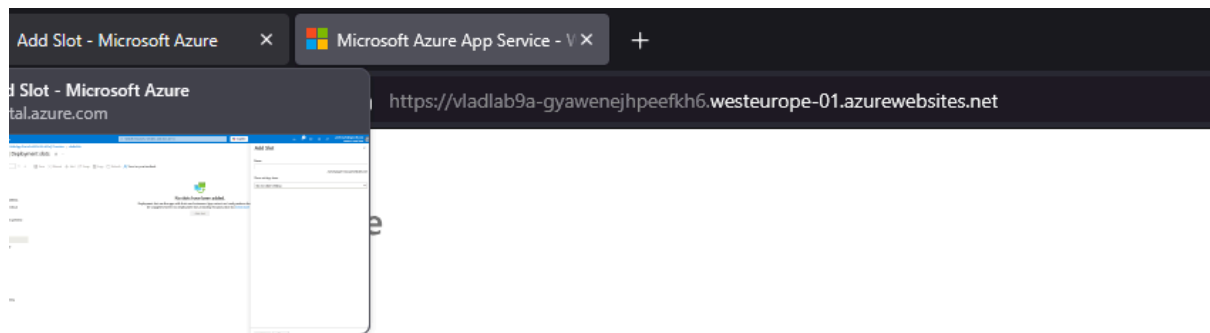
 [Tell us about your experience with deployment](#)

Figure 2. Completed deployment.


Task 2: Create and configure a deployment slot.

Default domain:



Your web app is running and waiting for your content

Your web app is live, but we don't have your content yet. If you've already deployed, it could take up to 5 minutes for your content to show up, so come back soon.

 Built with PHP

Haven't deployed yet?
Use the deployment center to publish code or
set up continuous deployment.

[Deployment center](#)

Starting a new web site?
Follow our Quickstart guide to get a web app
ready quickly.

[Quickstart](#)

Figure 3. app in running.

Add Slot ✕

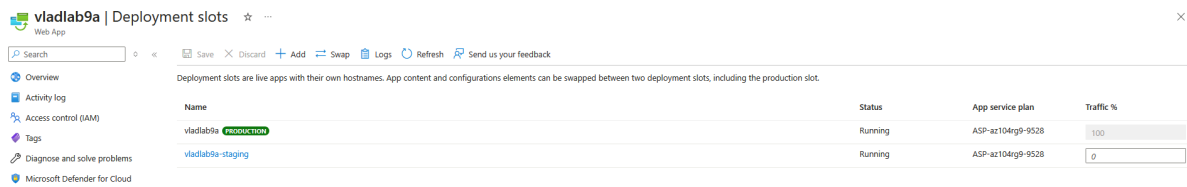
Name

vladlab9a-staging-fxb0bzfyevrhjk.westeurope-01.azurewebsites.net

Clone settings from:

Do not clone settings ✓

Figure 4. Add a slot.



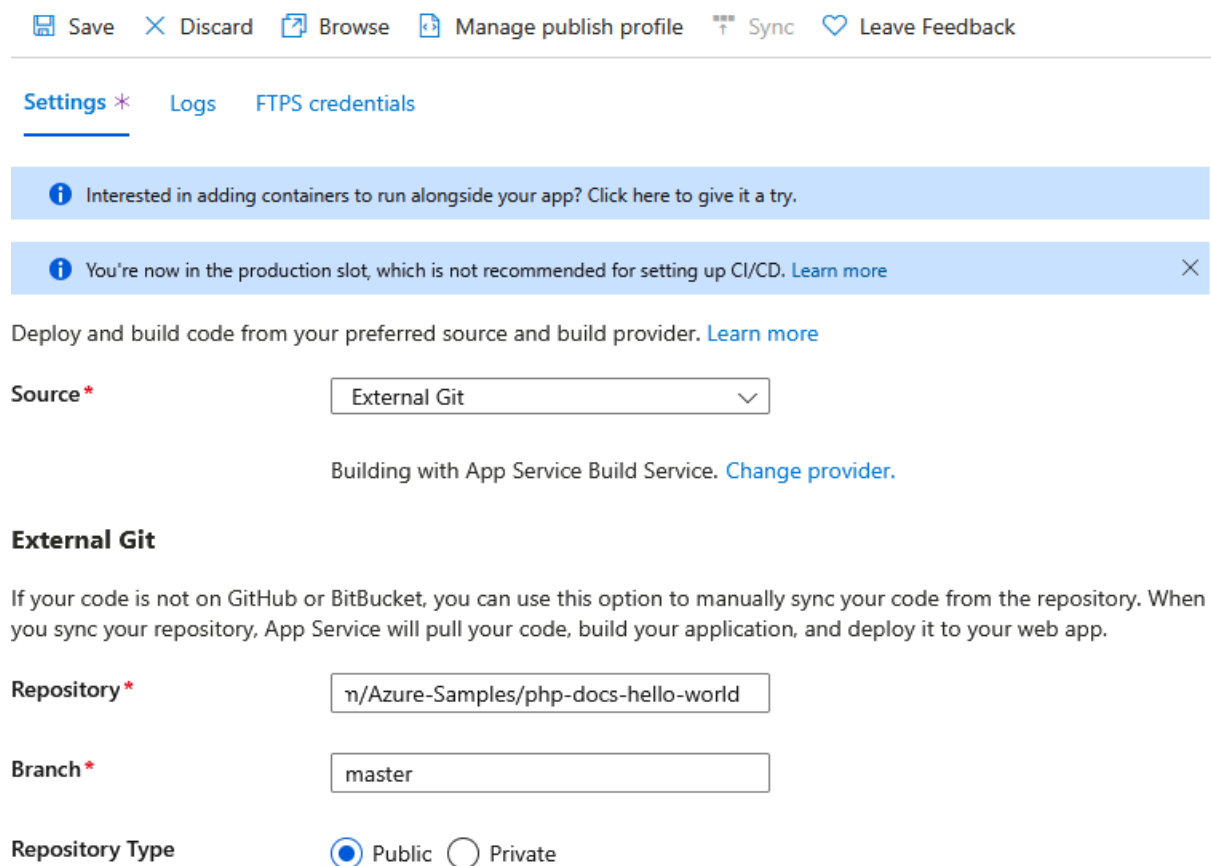
The screenshot shows the 'Deployment slots' page for a web app named 'vlablab9a'. The left sidebar contains navigation links: Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, and Microsoft Defender for Cloud. The main content area has a search bar and a toolbar with buttons: Save, Discard, Add, Swap, Logs, Refresh, and Send us your feedback. Below this is a table of deployment slots.

Name	Status	App service plan	Traffic %
vlablab9a- PRODUCTION	Running	ASP-az104rg9-9528	100
vlablab9a-staging	Running	ASP-az104rg9-9528	0

Figure 5. Created slot.

Task 3: Configure web app deployment settings.

Deployment Center:



The screenshot shows the 'Deployment Center' configuration page. At the top, there are buttons: Save, Discard, Browse, Manage publish profile, Sync, and Leave Feedback. Below these are tabs: Settings (selected), Logs, and FTPS credentials. A blue information banner states: 'Interested in adding containers to run alongside your app? Click here to give it a try.' Below this is another blue banner: 'You're now in the production slot, which is not recommended for setting up CI/CD. Learn more'. The main section is titled 'Deploy and build code from your preferred source and build provider. Learn more'. Under 'Source', a dropdown menu is set to 'External Git'. Below this, it says 'Building with App Service Build Service. Change provider.' The 'External Git' section explains: '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 web app.' The 'Repository' field contains 'n/Azure-Samples/php-docs-hello-world'. The 'Branch' field contains 'master'. The 'Repository Type' section has two radio buttons: 'Public' (selected) and 'Private'.

Figure 6. Deploying center.

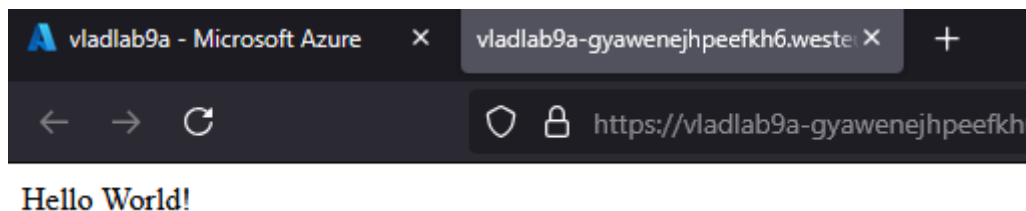


Figure 7. App in browser.

Task 4: Swap deployment slots.

Swap:

Swap

Source

vladlab9a-staging

Target

PRODUCTION

vladlab9a

Swap with preview can only be used with sites that have deployment slot settings enabled.

☐

Perform swap with preview

Config Changes

This is a summary of the final set of configuration changes on the source and target deployment slots after the swap has completed.

Source slot changes

Target slot changes

Setting	Type	Old Value	New Value
No Changes			

Figure 8. Swaping.

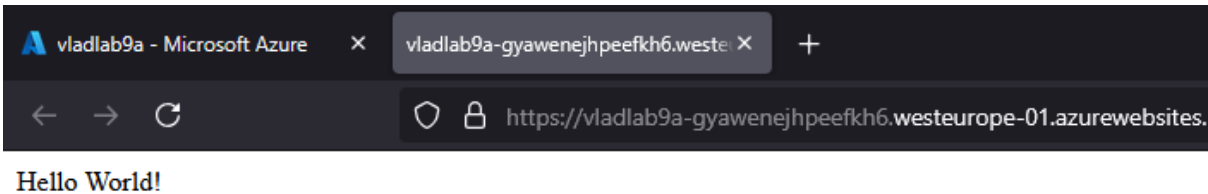



Figure 9. Successful Swap.

Task 5: Configure and test autoscaling of the Azure web app.

Scale out (App Service plan):

Price (instance)	0,089 USD/hour (64,97 USD/month)
Memory (GB)	4
Maximum scale (instance)	30
Current instance	<div>  Metrics </div> Learn more about automatic scaling events.

Scaling

App service provides multiple features that help applications perform their best when scaling demand changes. You can choose to scale your resource manually to a specific instance count, or via a custom Autoscale rule based policy that scales based on metric(s) thresholds, or schedule instance count which scales during designated time windows. You can also use Automatic Scaling features which enables platform managed scale in and scale out for your apps based on incoming HTTP traffic. [Learn more about Azure Autoscale, Automatic Scaling or view the how-to video.](#)

Scale out method	<input type="radio"/> Manual Maintain a constant instance count for your application
	<input checked="" type="radio"/> Automatic Platform managed scale out and in based on traffic
	<input type="radio"/> Rules Based User defined rules to scale on a schedule or based on any app metric
Maximum burst ⓘ	<div> <input type="range"/> <div>2</div> </div>
Always ready instances ⓘ	<div> <input type="range"/> <div>1</div> </div>
Enforce scale out limit ⓘ	<input type="checkbox"/>

Figure 10. Scale out.

Create a load testing resource ...

Basics Encryption Tags Review + create

Azure Load Testing is a fully managed load-testing service that makes it easy to generate high-scale load and identify performance bottlenecks. [Learn more](#)

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription *

Resource group * [Create new](#)

Instance details

Name *

Region *

Figure 11. Creating a load testing.

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 *

URL * [E.g. https://azure.microsoft.com](#)

HTTP method *

Query parameters Headers Response variables

Name	Value	URL Encode?
<input type="text" value="Enter name"/>	<input type="text" value="Enter value"/>	<input type="checkbox"/>

Figure 12. Adding a request.

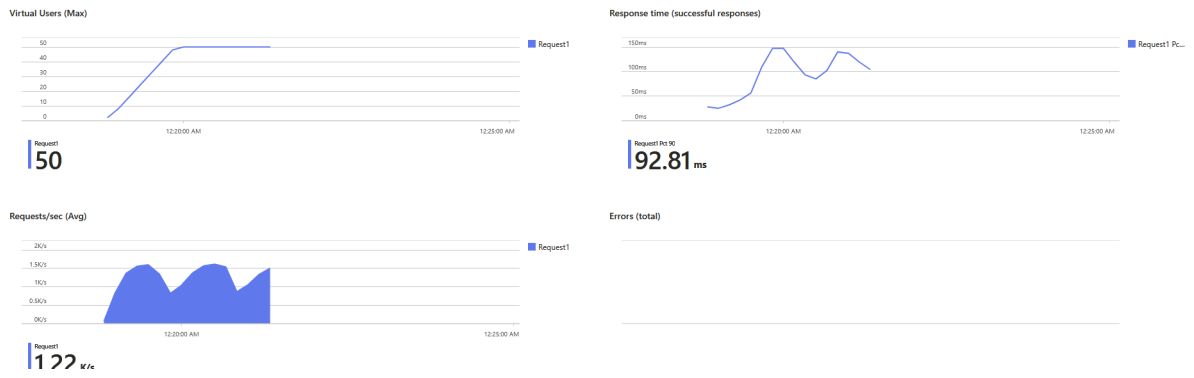


Figure 13. Metrics.