



Máster en Ingeniería MultiCloud, DevOps y Seguridad.

AZURE LAB #9a

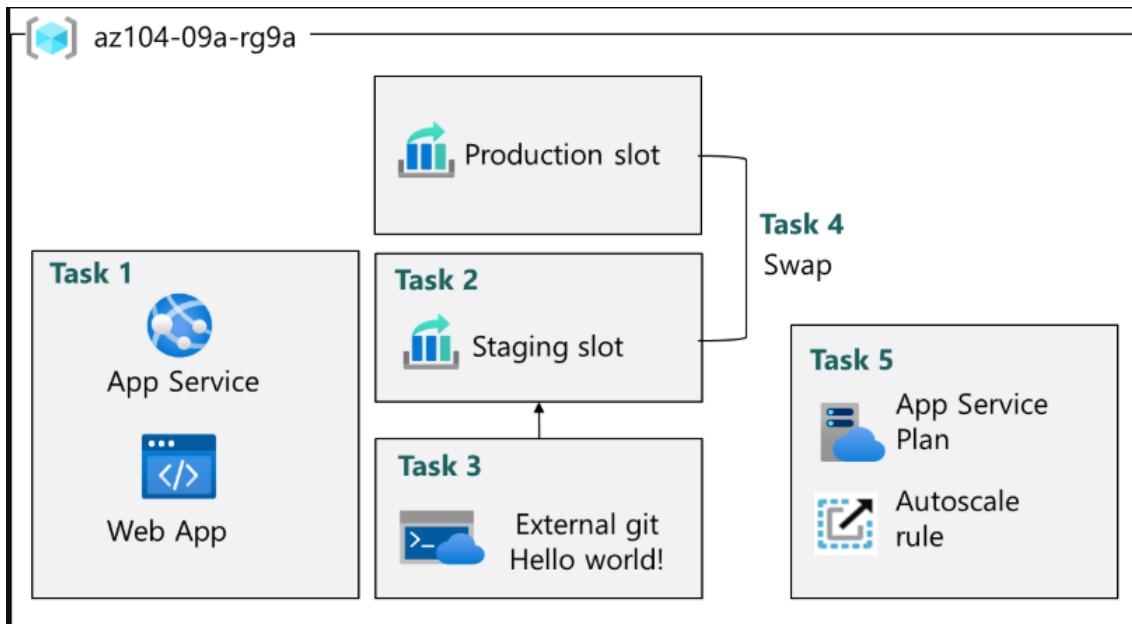
Implementación de Web Apps



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Esquema del laboratorio



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Creación y configuración de una aplicación web de Azure

Home > App Services > Create Web App ...

any platform. Meet rigorous performance, scalability, security and compliance requirements while using a fully managed platform to perform infrastructure maintenance. [Learn more](#)

Project Details

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

Subscription *	Azure for Students
Resource Group *	az104-rg9
	Create new

Instance Details

Name lab9arcasa.azurewebsites.net

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

Publish * Code Container

Runtime stack * PHP 8.2

Operating System * Linux

Region * Norway East

i Not finding your App Service Plan? Try a different region or select your App Service Environment.

Pricing plans

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

Linux Plan (Norway East) *	(New) ASP-az104rg9-b63a
	Create new
Pricing plan	Premium V3 P1V3 (195 minimum ACU/vCPU, 8 GB memory, 2 vCPU)
	Explore pricing plans

La aplicación está configurada para Publicarse utilizando directamente Código (Code) en lugar de un contenedor de Docker. El entorno de ejecución o Pila de Tiempo de Ejecución seleccionado es PHP 8.2. Además, la aplicación se alojará en un sistema operativo Linux y estará desplegada en la región de Norway East, el Nivel de Precios (Pricing Plan) seleccionado es Premium V3 P1V3.

He seleccionado este para que luego me permita crear el slot de implementación.



Creación y configuración de una ranura de implementación

The screenshot shows the 'Deployment slots' section of the Azure portal for a web app named 'lab9arcsa'. It displays two slots: 'lab9arcsa' (PRODUCTION) and 'lab9arcsa-staging'. Both slots are listed as 'Running' and are associated with the same 'App service plan' (ASP-az104rg9-b63a). The traffic percentage for the production slot is 100%, while the staging slot has 0% traffic. A red box highlights the table containing the slot information.

Creamos el slot de implementación

Configuración de las opciones de implementación de la aplicación web

The screenshot shows the 'Deployment Center' settings for the 'staging' slot of the 'lab9arcsa' web app. Under the 'Settings' tab, the 'Source' is set to 'External Git'. The 'Repository' field contains the URL 'https://github.com/Azure-Samples/php-docs-hello-world', and the 'Branch' field is set to 'master'. A red box highlights the 'Repository' and 'Branch' input fields. Below these, there are options for 'Repository type' (with 'Public' selected) and other deployment-related settings.

Configuro el repositorio público de donde va a hacer el despliegue.



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Hello World!

Compruebo que al acceder a la url se ha creado el contenido en el slot de staging, lo que tenemos que hacer ahora es cambiar el slot de staging por el de producción, de esta forma podemos probar primero el código sin estar en producción y posteriormente subirlo con todo bien.

Save Discard Add Swap Logs Refresh Send us your feedback

Deployment slots are live apps with their own hostnames. App content and configurations elements can be swapped between two slots.

Name

lab9arcsa PRODUCTION

lab9arcsa-staging

Source: lab9arcsa-staging
Target: PRODUCTION lab9arcsa

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			

Start Swap Close

Hacemos el swap.

Hello World!

Accedemos a la url de producción y vemos que el código se ha subido.



Configure and test autoscaling of the Azure Web App

The screenshot shows the Azure portal interface for managing a web application. The left sidebar lists various sections like Overview, Activity log, and Deployment. Under Deployment, the 'Scale up' and 'Scale out' options are visible, with 'Scale out' being highlighted by a red box. The main content area displays the 'Pricing plan' (Premium v3 P0V3) and 'Scaling' settings. The 'Scaling' section includes a description of scaling options, three radio button choices for 'Scale out method' (Manual, Automatic, Rules Based), and two sliders for 'Maximum burst' (set to 2) and 'Always ready instances' (set to 1). A toggle switch for 'Enforce scale out limit' is also present. At the bottom are 'Save' and 'Discard' buttons.

Ahora voy a configurar el escalado automatico de la aplicacion que he desplegado.

Accedo a app service que he creado y dentro de app service plan – scale out

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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 * Azure for Students ▼

Resource group * az104-rg9 ▼
[Create new](#)

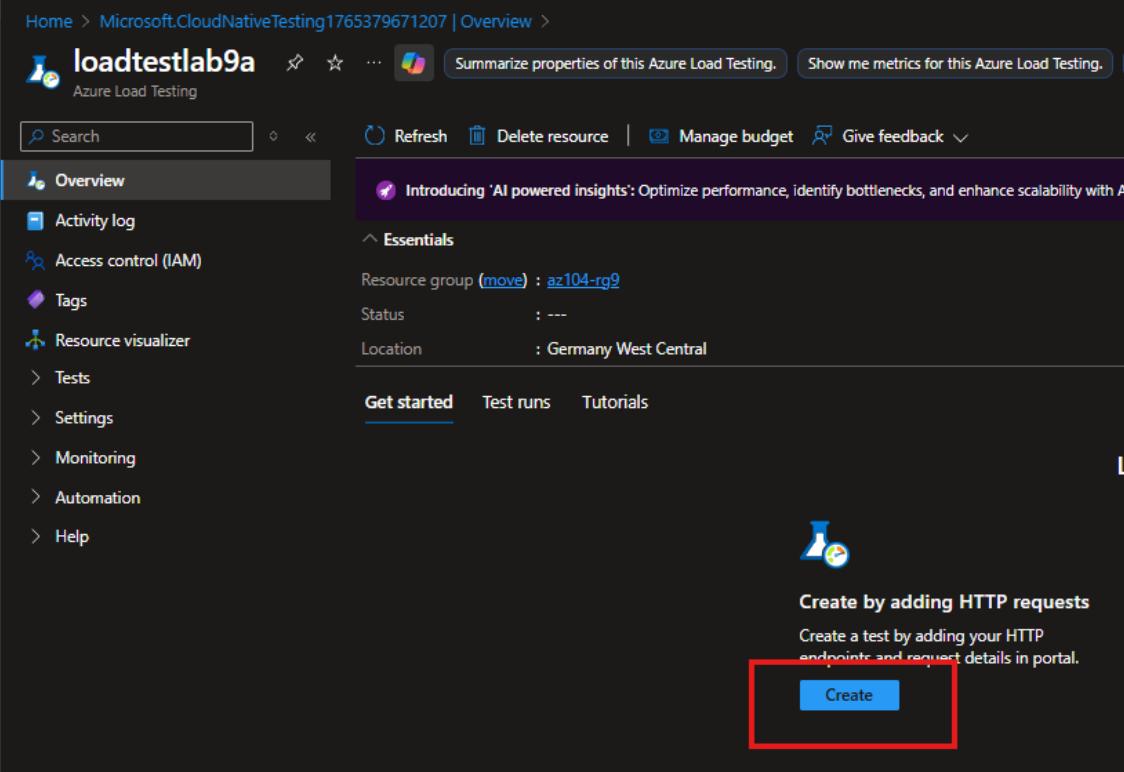
Instance details

Name * loadtestlab9a —

Region * Germany West Central ▼

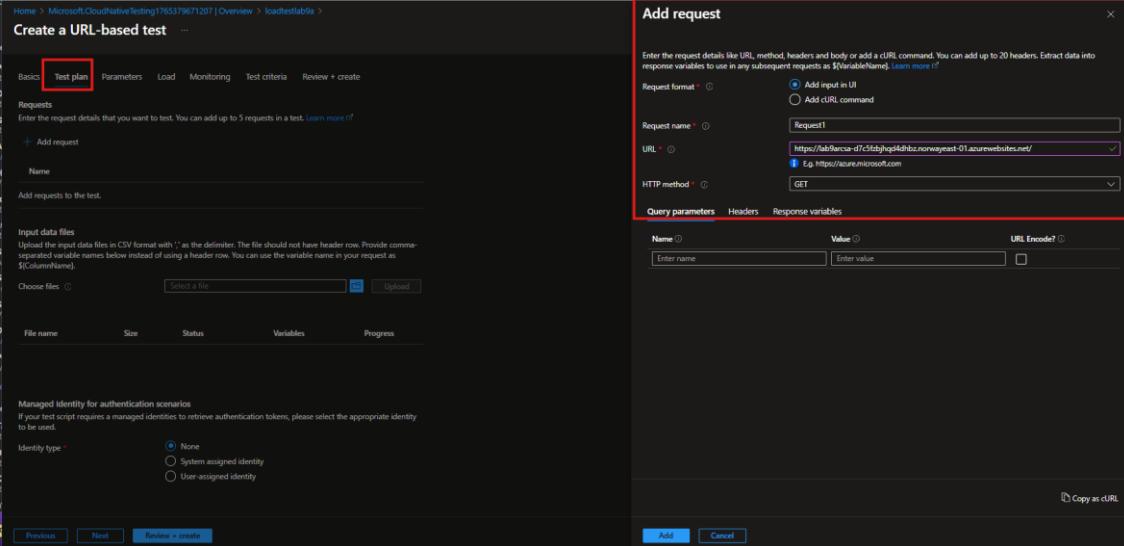
Voy a crear un test para comprobar el funcionamiento del escalado y ver las métricas de rendimiento.

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The screenshot shows the Azure Load Testing interface. On the left, there's a navigation sidebar with options like Overview, Activity log, Access control (IAM), Tags, Resource visualizer, Tests, Settings, Monitoring, Automation, and Help. The main area is titled 'loadtestlab9a' and shows basic details: Resource group (az104-rq9), Status (---), and Location (Germany West Central). Below this, there are tabs for Get started (selected), Test runs, and Tutorials. A prominent section is 'Create by adding HTTP requests', which includes a sub-section for creating a test by adding endpoints and request details. A large blue 'Create' button is highlighted with a red box.

Creo el test para peticiones http

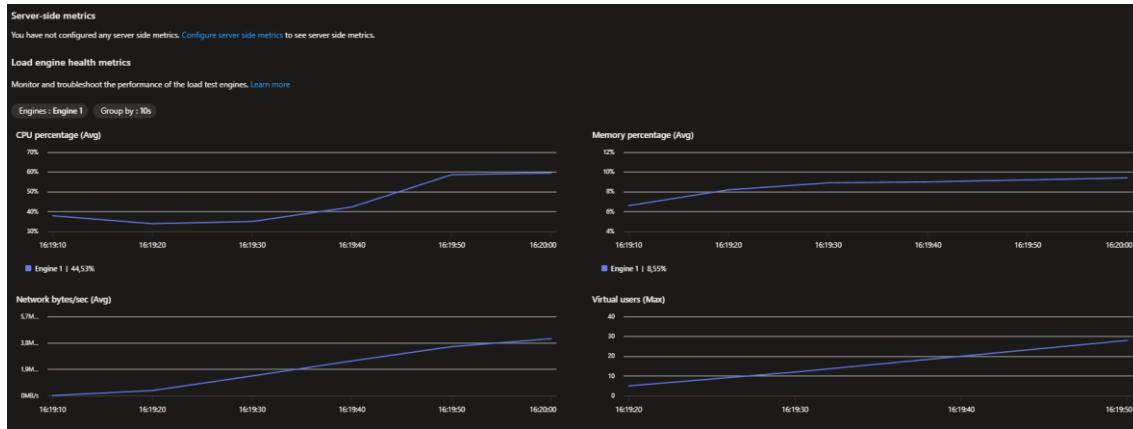


The screenshot shows the 'Create a URL-based test' dialog. The 'Test plan' tab is active. In the 'Requests' section, there's a link to add a new request. The 'Add request' dialog is open, showing fields for Request name (Request1), URL (https://fabrikam-d7cfb49d4fhtz.norwayeast-01.azurewebsites.net), and HTTP method (GET). Other tabs in the dialog include Query parameters, Headers, and Response variables. The entire 'Add request' dialog is highlighted with a red box.

Configuro el test, vamos a hacer peticiones get a la url de mi web app.



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Metricas en directo de la prueba.