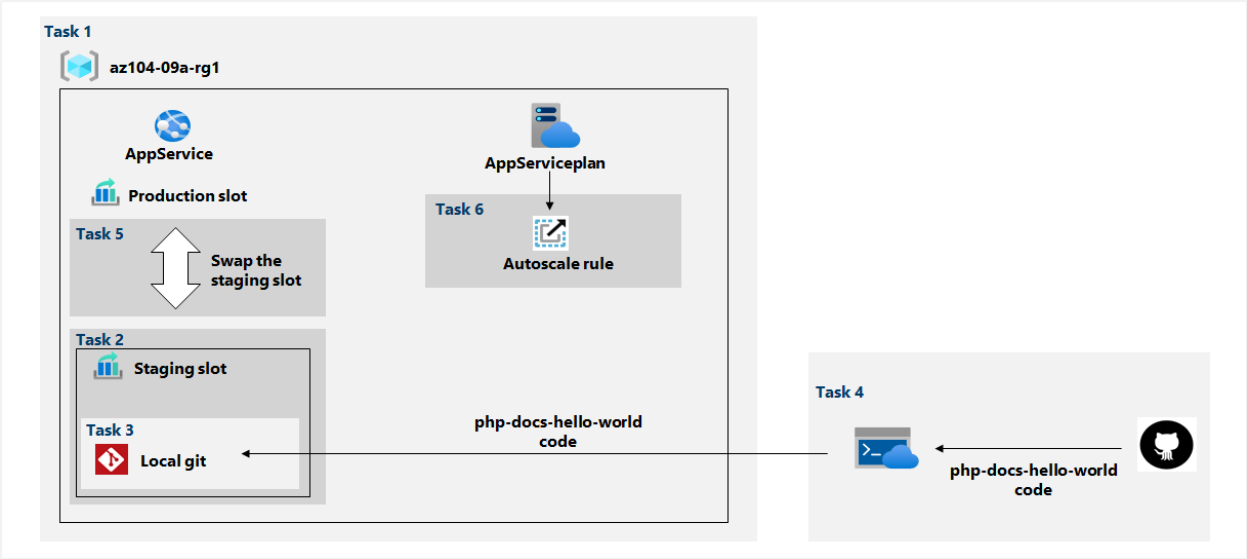
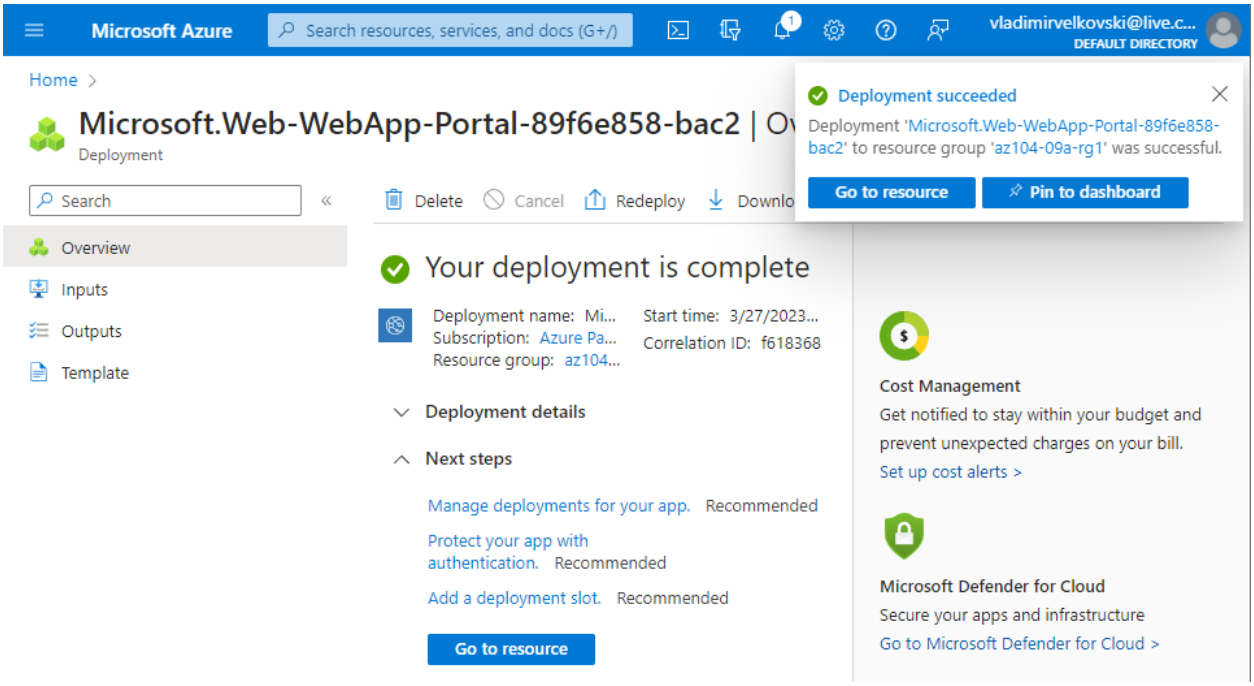
Lab 09a - Implement Web Apps

In this lab, we are tasked with evaluating the use of Azure Web apps for hosting Contoso's web sites, which are currently being hosted in the company's on-premises data centers. The web sites are running on Windows servers using the PHP runtime stack. Additionally, we need to determine how to implement DevOps practices by leveraging Azure web apps deployment slots.

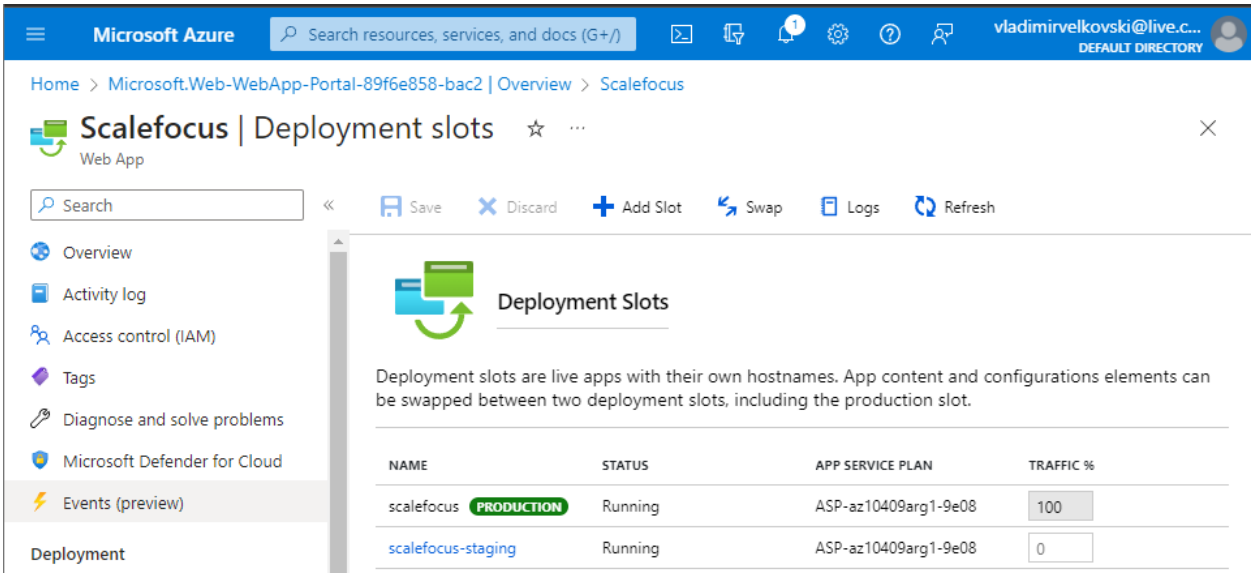
Architecture diagram



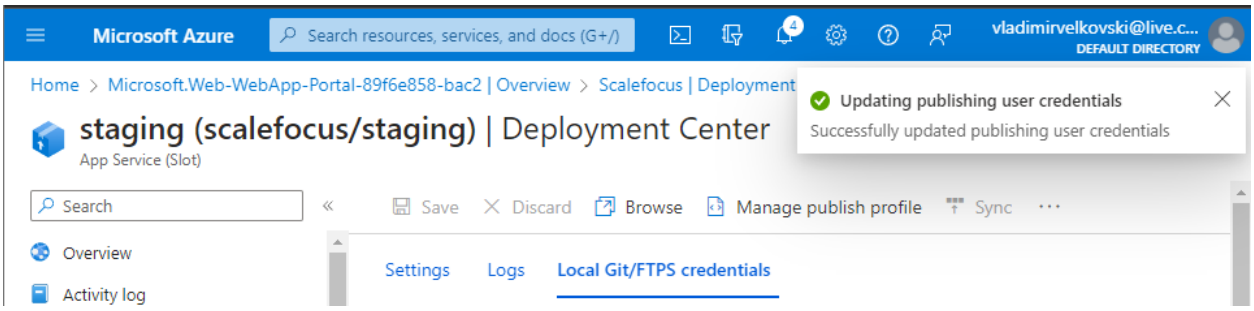
Task 1: In this task, I will create an Azure web app using the Azure portal.



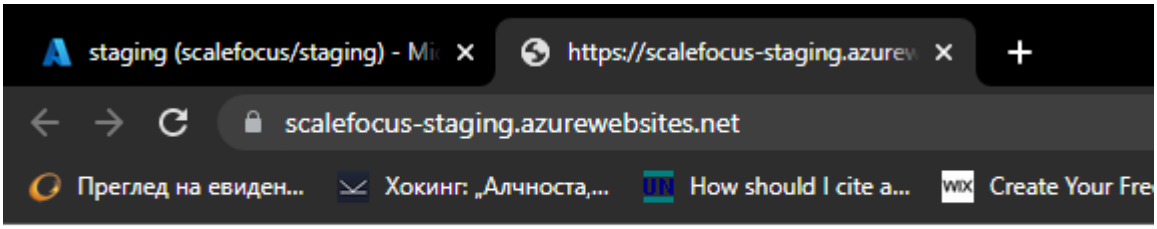
Task 2: In this task, I will create a staging deployment slot for the Azure web app created in Task 1.



Task 3: In this task, I will configure web app deployment settings

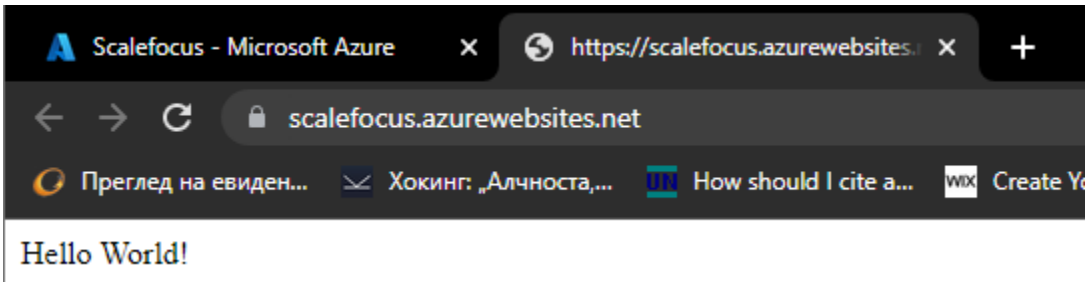


Task 4: In this task, I will deploy code to the staging deployment slot



Hello World!

Task 5: In this task, I will swap the staging and production deployment slots to make the new changes live on the website.



Task 6: In this task, I will configure and test autoscaling of the Azure web app to improve its performance and handle traffic spikes.