5.3 Azure App Service Web Apps



This section will guide you to:

* Login to your Azure account and create a .NET Web App and schedule a web job

**Development Environment:**

* Windows 10
* Windows Azure cloud

This guide has four subsections, namely:

5.3.1 Logging into your Azure account

5.3.2 Creating a .NET Web App

5.3.3 Scheduling a web job

5.3.4 Pushing the code to GitHub repositories

**Step 5.3.1:** Logging into your Azure account

* An Azure account has been enabled in your practice lab. Refer **DotNet Lab guide: Phase 4** to learn how to use the practice lab.
* Login to the Azure Portal with the Azure/Microsoft credentials provided in the lab.

**Step 5.3.2:** Creating a .NET Web App

* From the portal page, click on **App Services.**
* Click on **Add.**
* For **Resource Group**,select an existing one or create one using the **Create New** option.
* For **Name**,enter a globally unique name.
* For **Runtime Stack**,choose ASP.NET 4.7.
* Click **Next:Monitoring.**
* Click **Next:Tags.**
* Click **Review:Create.**
* On the Review page, click **Create** and wait until the deployment is complete.
* Once deployment is complete, click **Go to Resource.**
* In the Overview page, click on the URL to view the web app in the browser.

**Step 5.3.3:** Scheduling a web job

* Using a text editor to create a file called webjob.bat. Add the following line to it:

*Dir c:\*

* Save it and compress it into a zip file called webjob.zip.
* Go to the Overview page of the web app created above.
* In the left bar search for WebJobs and click on it.
* Click **Add+.**
* Enter the name as MyJob1.
* In **File Upload,** upload webjob.zip that you have created.
* Select **Type** as Triggered.
* Keep **Triggers** dropdown as Scheduled.
* Enter **CRON Expression** to run the job at 3.15 everyday: 0 15 3 \* \* \*
* Click **Ok.**
* From the list of WebJobs, click on this job and click **Run** from the top, this will manually run the job as a test.

**Step 5.3.4:** Pushing the code to your GitHub repositories

Open your command prompt and navigate to the folder where you have created your files.

cd <folder path>

Initialize your repository using the following command:

git init

Add all the files to your git repository using the following command:

git add .

Commit the changes using the following command:

git commit -m “Changes have been committed.”

Push the files to the folder you created initially using the following command:

git push -u origin master