NetReach Azure App Service Installation Guide

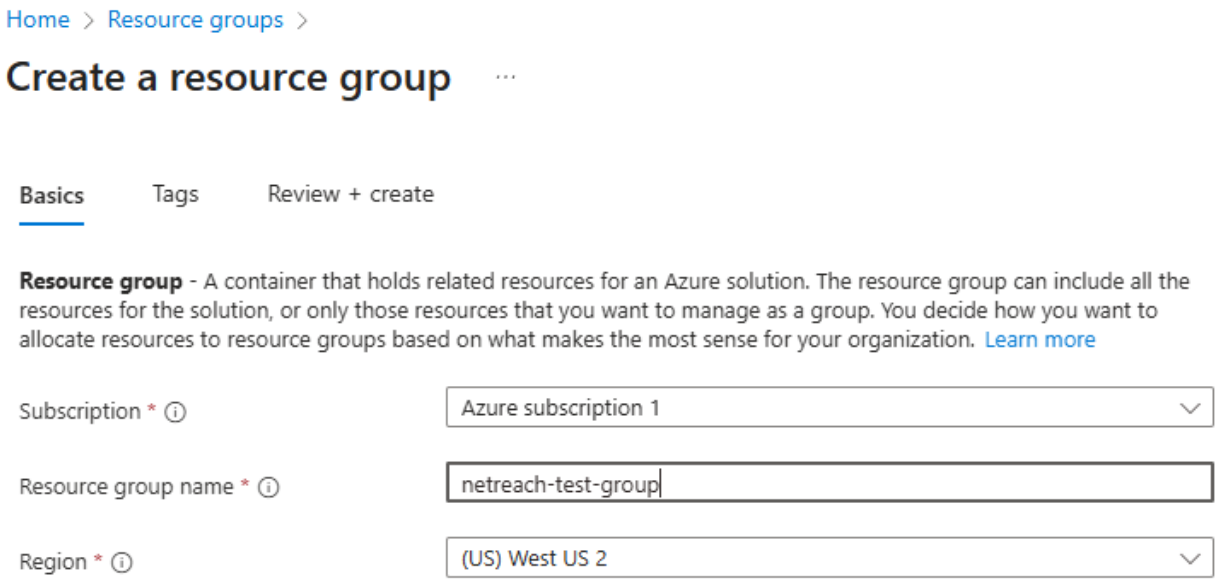
Deploy NetReach in Azure App Service

Azure App Service provides the hosting environment for an Azure-based web app. You can configure App Service to retrieve the image for the web from a repository in Azure Container Registry.

Step 1: Create Resource Group

1. Go to https://portal.azure.com homepage.
2. Go to ***Resource groups*** > ***Create***

- Subscription: ***your azure subscription***
- Resource group name: ***Name your resource group*** (e.g., *netreach-test-group)*
- Region: ***select your region***



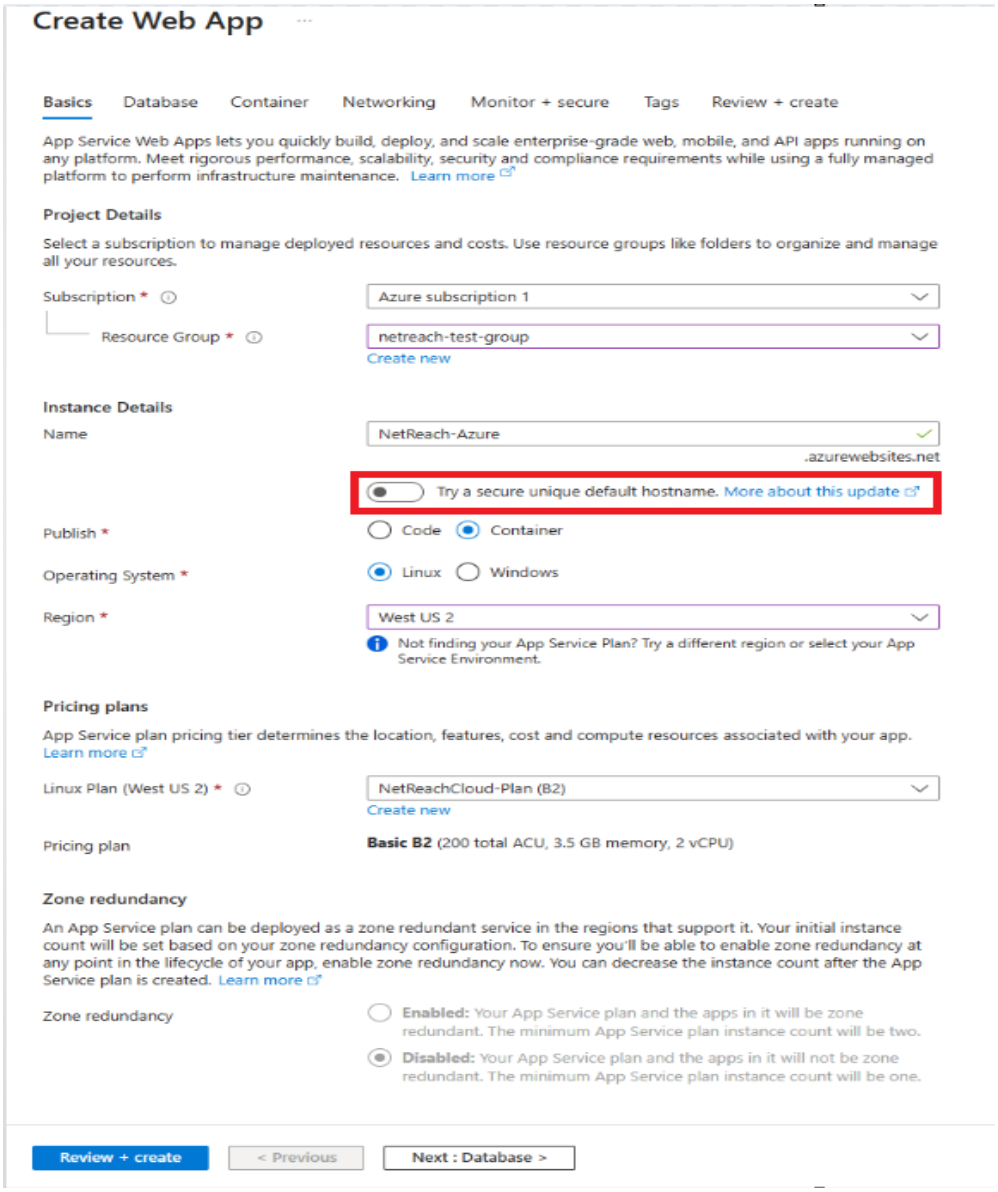
4. Click Next button Review and Create.

Step 2: Create Web App and Deploy NetReach from WTI Azure Container Registry

1. Go to ***App Services*** > ***Create*** > ***Web App***

2. Under **Basic section**:

- Subscription: ***select your Azure subscription***
- Resource Group: ***Select existing resource group*** *(e.g., netreach-test-group)* ***or create a new one.***
- Name: ***Name your Web App*** (*e.g., NetReach-Azure)*
- Try a secure unique default hostname: ***Turn off***
- Publish: ***Container***
- Operating System: ***Linux***
- Region: ***select your region***
- Linux Plan: ***select existing or create a new Linux plan***
- Pricing plan: ***Refer to NetReach Requirement (e.g. Dev/Test Basic B2)***
- Zone redundancy: ***use the default***



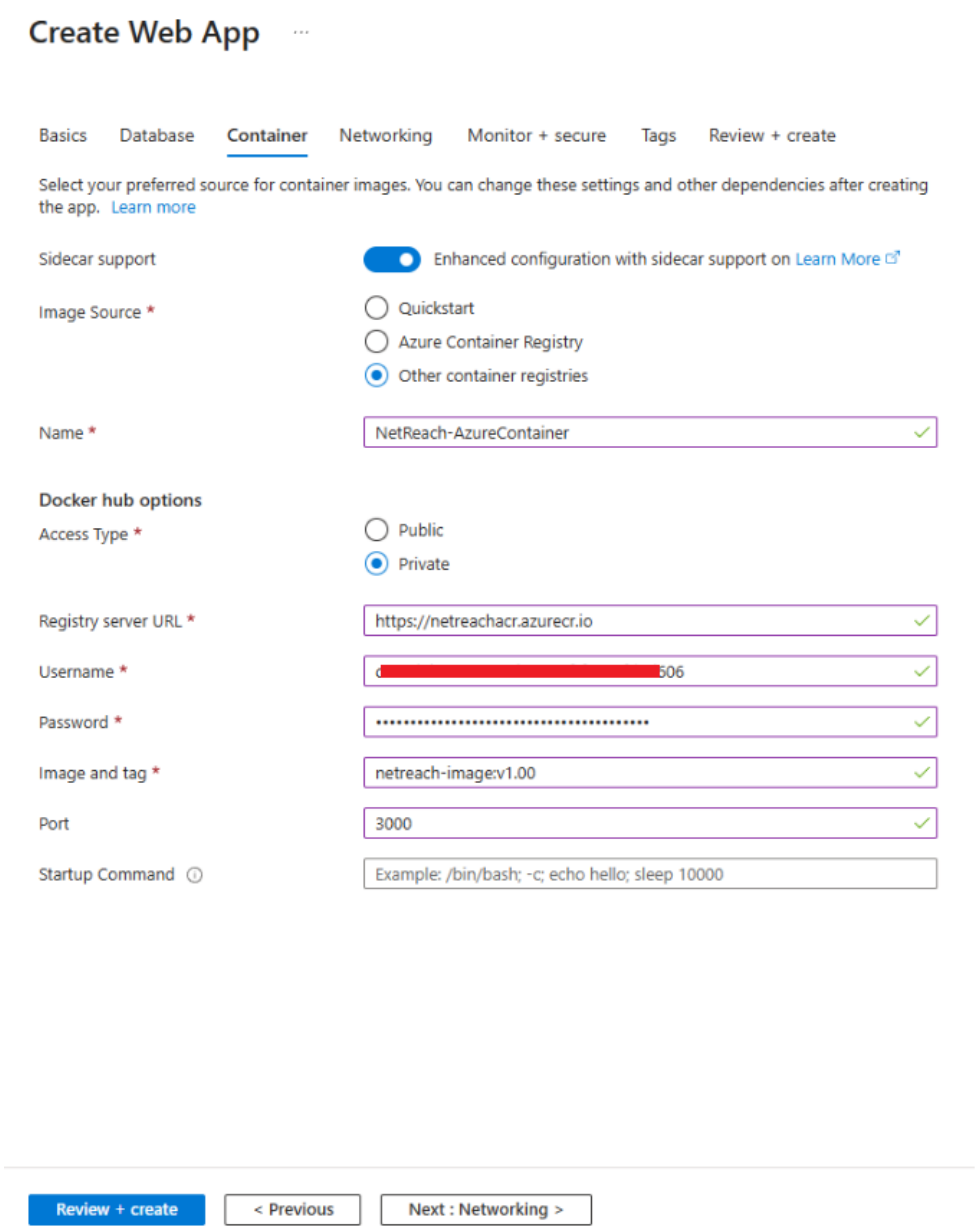
3. Select ***Container*** in the top on the menu screen:

- Sidecar support: ***default***
- Image Source: ***Other Container Registries***

Under Docker hub options:

- Access Type: ***Private***
- Registry server URL: ***https://netreachacr.azurecr.io***
- Username: ***<provided by WTI>***
- Password: ***<provided by WTI>***
- Image and Tag: ***netreach-image:<tag>***
- Port: ***3000***
- Startup Command: ***<Leave this setting blank>***

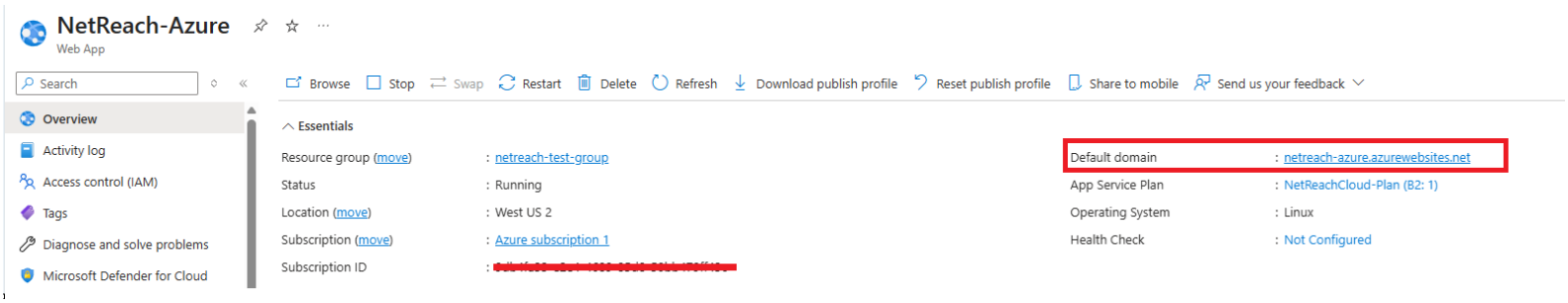
<tag>: The specific version or tag of the image (e.g., latest, v1.00). If no tag is specified, Docker defaults to latest.



4. Select ***Review and create***, and then select ***Create***. Wait until the web app has been deployed before you continue.

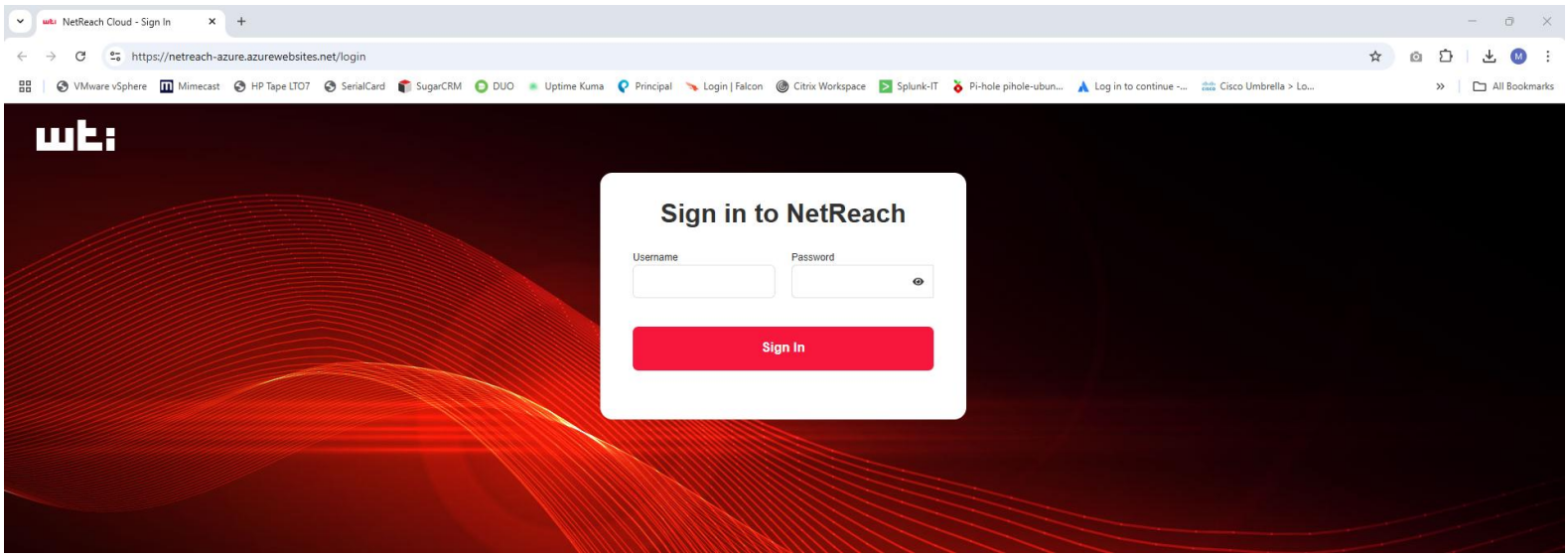
NOTE: The first time you run NetReach Docker image in App Service, App Service does a docker pull and pulls all image layers. These layers are stored on disk. Each time the app restarts, App Service does a docker pull from WTI Azure Registry. It pulls only changed layers. If there are no changes, App Service uses existing layers on the local disk.

5. To Verify NetReach is successful deploy. Go to ***Overview*** click on ***Default domain of your app name***



To login to the NetReach for the first time the default username/password as below.

Default username: ***netreach***
Default password: ***netreach***



Step 3: Configure NetReach Container for App Service

Enable persistent shared storage in NetReach container. You can use the /home directory in NetReach container file system to persist file across restarts and share them across instances. By default, persistent storage is disabled on Linux custom containers. To enable it, set the WEBSITES_ENABLE_APP_SERVICE_STORAGE app setting value to true.

1. Go to ***App Service*** > ***select your NetReach web App***

2. In the left menu pane, under ***Settings***, select ***Environment variables***, and under ***App Setting tab***, click on ***Add***. The Add/Edit application pane appears.

Setting	Value
Name	WEBSITES_ENABLE_APP_SERVICE_STORAGE
Value	true

3. Select ***Apply***.

NOTE: If WEBSITES_ENABLE_APP_SERVICE_STORAGE environment variable already exists, modify the value to true and select apply.