Teams Phone Numbers Manager
Guide to redeploy the API

There are occasions where you'll need to redeploy the API on the Azure Functions one example being an update of the PowerShell module for Microsoft Teams. Here are the instructions if you need to deploy a new version of the API on the Azure Functions.

The application has been built and tested against the PowerShell Microsoft Teams module version 3.1.1 and a version 4.0.0 is now available. To upgrade the Azure Functions API to use the latest version of the Microsoft Teams module, here are the steps to follow.

Pre-requisites

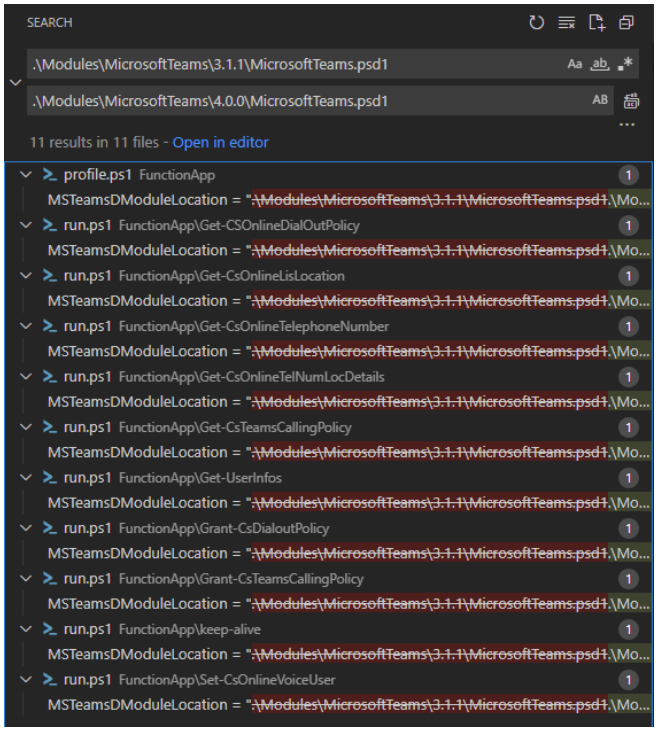
- The code of the application is downloaded from GitHub on your local computer
- Install VS Code and the "Azure Tools" extension for VS Code

Steps to update the Microsoft Teams module

1. Download the new module locally
   ```
   save-module -Path .\FunctionApp\Modules -Name MicrosoftTeams -Repository PSGallery -MinimumVersion 4.0.0
   ```

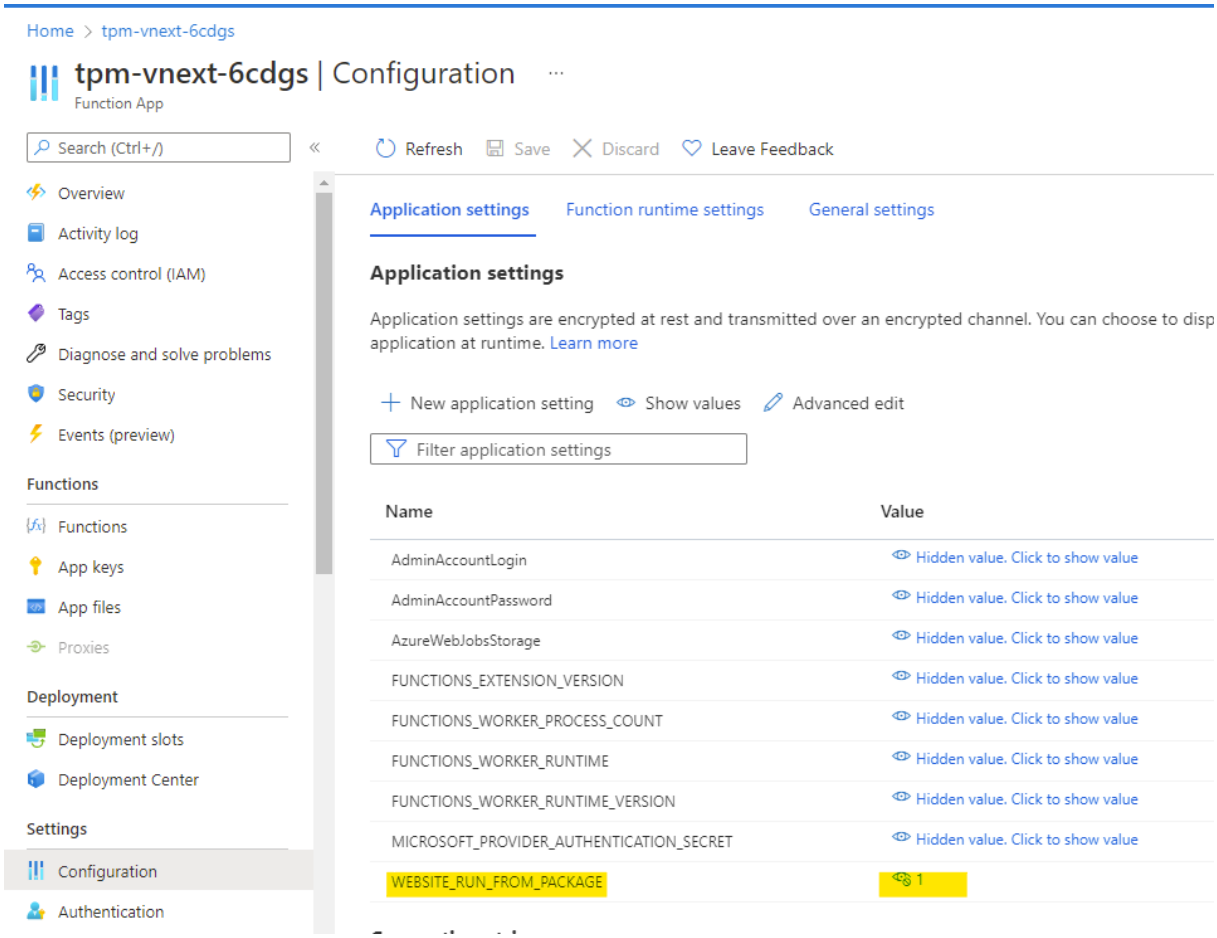
2. Delete the folder containing the previous version of the Microsoft Teams module (3.1.1)
   Go under .\FunctionApp\Modules\MicrosoftTeams and delete folder 3.1.1
   You should only keep the folder named 4.0.0

3. In the code, rename all occurrences of
   "\Modules\MicrosoftTeams\3.1.1\MicrosoftTeams.psd1"
   into
   "\Modules\MicrosoftTeams\4.0.0\MicrosoftTeams.psd1"

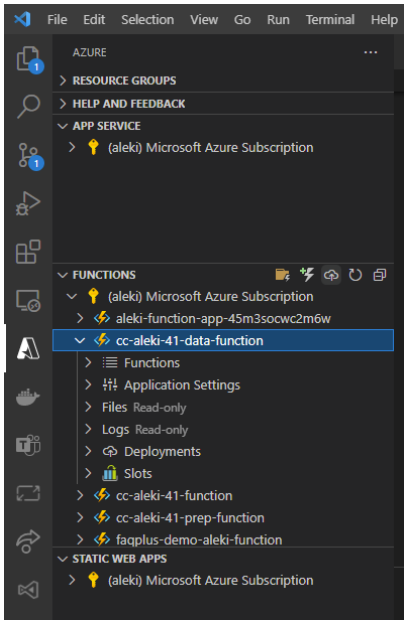


4. Go the Azure portal (https://portal.azure.com) and change the configuration setting of the Azure Functions app – Replace the value of the setting "WEBSITE_RUN_FROM_PACKAGE" by "1" (instead of the full URL of the original ZIP package) and press OK to save.

   This will allow you to publish your local changes to the Azure Functions app.



5. Publish the changes to Azure using VS Code
   With the Azure Tools for VS Code, connect to your Azure account, select your Azure subscription and the Azure Functions target for the deployment and then press "Deploy to Azure Function"



6. Once the deployment is over, it is recommended to run the warm-up script – This will warm-up the Azure Functions – It usually takes ~5 – 10 min to run this script.

   To run the script, you need the following information:

```
$hostname = the domain of your Azure Function
$code     = the code of your Azure Function
$tenantID = your Azure AD tenant ID
$clientID = the client ID of your app registration in Azure AD
$secret   = the client secret of your app registration in Azure AD
```

   Example:

```
$hostname = 'teams-mng-ks6gh.azurewebsites.net'
$code     = 'ZbIvkeirB7xBXNXXXXXXXXXXXXXXXXXiFxFaNwkzt7g=='
$tenantID = '720b637a-XXXX-XXXX-XXXX-f22f40755c2c'
$clientID = 'af9ebcdd-XXXX-XXXX-XXXX-7741f668e969'
$secret   = '9sT5JCGWXXXXXXXXXXXXXXXXXXXXelDW2EhyI='
```

   A successful outcome looks like this:

```
.\Deployment\warmup.ps1 -hostname $hostname -code $code -tenantID $tenantID -clientID $clientID -secret $secret
Azure Function warm-up using API call
https://teams-mng-ks6gh.azurewebsites.net/api/Get-CsTeamsCallingPolicy
Access token request success
Function warm-up started at 18/03/2022 18:43:51 - Attempt # 1

TriggerTime         WorkerId Duration StatusCode StatusDescription
-----------         -------- -------- ---------- -----------------
18/03/2022 18:44:06        3     14,9        200 OK
18/03/2022 18:44:06        2    14,91        200 OK
18/03/2022 18:44:07        1    15,89        200 OK
```

   The script will run up to 3 attempts.