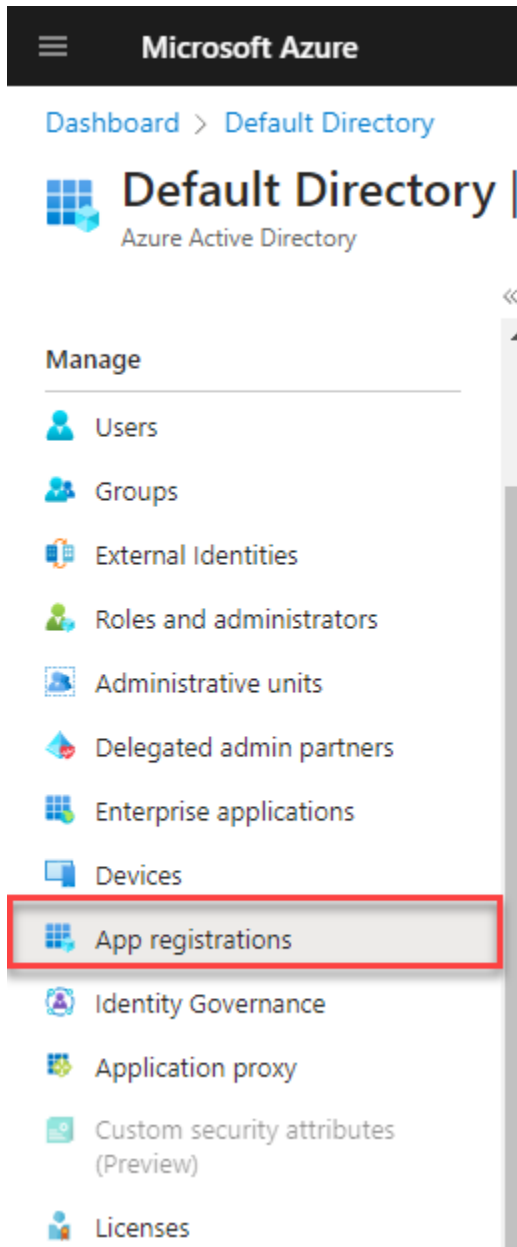


Document Converter Deployment Instructions

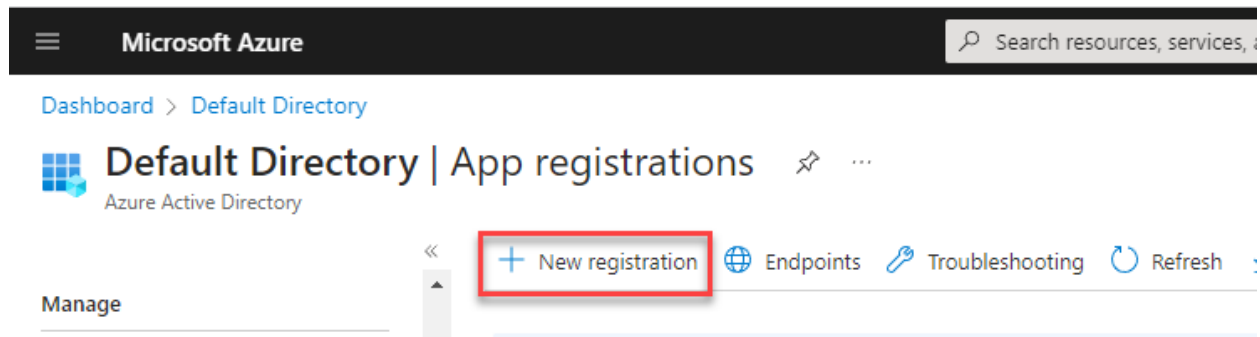
Azure configuration

- Create an App registration

1. Select App Registrations tab in Azure AD



2. Select New Registration



3. Type application name, select Accounts in this organization (single tenant), and select register

The screenshot shows the 'Register an application' page in the Microsoft Azure portal. The page has a dark header with the Microsoft Azure logo and a search bar. Below the header, the breadcrumb trail reads 'Dashboard > Default Directory | App registrations'. The main heading is 'Register an application'. The page contains several sections:

- Name:** A text input field with the value 'DocumentToPDFFunction'. A red circle with the number 1 is next to the input field.
- Supported account types:** A section titled 'Who can use this application or access this API?'. It contains four radio button options:
 - ☒ Accounts in this organizational directory only (Default Directory only - Single tenant) (Marked with a red circle 2)
 - ☐ Accounts in any organizational directory (Any Azure AD directory - Multitenant)
 - ☐ Accounts in any organizational directory (Any Azure AD directory - Multitenant) and personal Microsoft accounts (e.g. Skype, Xbox)
 - ☐ Personal Microsoft accounts only
- Redirect URI (optional):** A section with a text input field containing 'https://example.com/auth'. A dropdown menu labeled 'Select a platform' is to the left of the input field.
- Register button:** A blue button labeled 'Register' at the bottom of the page, highlighted with a red box and a red circle with the number 3.

At the bottom of the page, there is a link to 'Enterprise applications' and a footer note: 'By proceeding, you agree to the Microsoft Platform Policies'.

4. After Registration is created, select the new registration. Select Certificates and Secrets. Select the Federated Credentials Tab and then select add credential.

DocumentToPDFFunction | Certificates & secrets

Search

Got feedback?

Overview

Quickstart

Integration assistant

Manage

Branding & properties

Authentication

Certificates & secrets

Token configuration

API permissions

Expose an API

App roles

Owners

Roles and administrators

Manifest

Credentials enable confidential applications to identify themselves to the authentication service when receiving tokens at a web addressable location (using an HTTPS scheme). For a higher level of assurance, we recommend using a certificate (instead of a client secret) as a credential.

Application registration certificates, secrets and federated credentials can be found in the tabs below.

Certificates (0)

Client secrets (0)

Federated credentials (0)

Allow other identities to impersonate this application by establishing a trust with an external OpenID Connect (OIDC) identity provider. This federation allows you to get tokens to access Azure AD protected resources that this application has access to like Azure and Microsoft graph. [Learn more](#)

+ Add credential

Name	Description	Subject Identifier
------	-------------	--------------------

No federated identity credentials have been added for this application.

5. Select GitHub Actions Deploying Azure resources

Microsoft Azure

Search resources, services, and docs (G+)

[Dashboard](#) > [Default Directory](#) | [App registrations](#) > [test](#) | [Certificates & secrets](#) >

Edit a credential ...

Configure an Azure AD managed identity or an identity from an external OpenID Connect Provider to get tokens as this application and access Azure resources.

Federated credential scenario *

GitHub Actions deploying Azure resources

Connect your GitHub account

Please enter the details of your GitHub Actions workflow that you want to connect with Azure Active Directory. These values will be used by Azure AD to validate the connection and should match your GitHub OIDC configuration. Issuer has a limit of 600 characters. Subject Identifier is a calculated field with a 600 character limit.

Issuer ⓘ

https://token.actions.githubusercontent.com

[Edit \(optional\)](#)

Organization *

Your Github Username

Repository *

Document-Converter-Azure-Function

Entity type *

Environment

Based on selection *

production

Subject identifier ⓘ

repo:zacaryfettig/Document-Converter-Azure-Function:environment:production

This value is generated based on the GitHub account details provided. [Edit \(optional\)](#)

Credential details

Provide a name and description for this credential and review other details.

Name ⓘ

Document-Converter-Azure-Function

Description ⓘ

Limit of 600 characters

Audience ⓘ

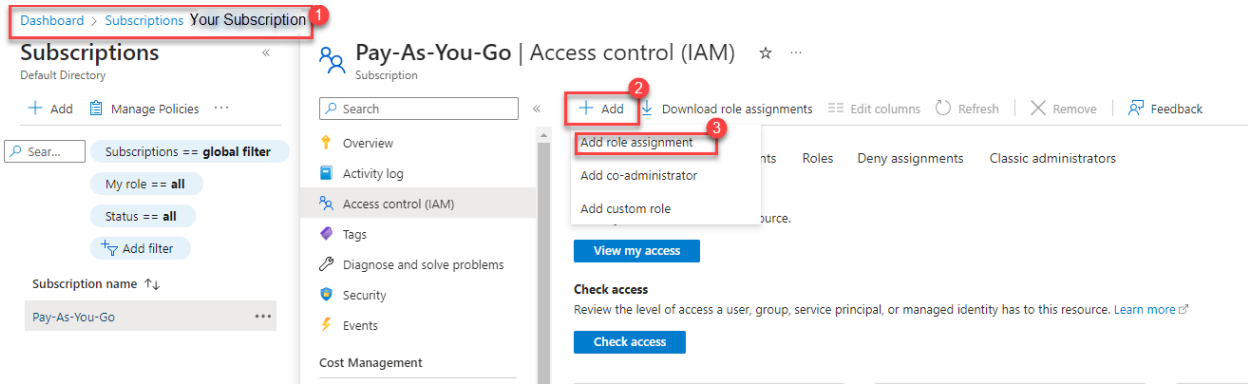
api://AzureADTokenExchange

[Edit \(optional\)](#)

Update

Cancel

6. Go to your subscription. Select Add. Add Role Assignment.



6. Select Assignment Type. Select Privileged administrator roles

Dashboard > Subscriptions > Pay-As-You-Go | Access control (IAM) >

Add role assignment

Assignment type Role Members Review + assign

Select the type of role to assign. [Learn more](#)

Assignment type

- ☐ Job function roles
Grant access to Azure resources based on job function, such as the ability to create virtual machines.
- ☒ Privileged administrator roles
Grant privileged administrator access, such as the ability to assign roles to other users.

⚠ Can a job function role with less access be used instead?

7. Select Contributor for the role



8. Under the Members tab select Assign access to user, group, or service principle. Select Members. Type name of app registration and select from the list. Select the select button and continue to next screen.

Add role assignment

Assignment type: Role **Members** Review + assign

Selected role: Contributor

Assign access to: ☒ User, group, or service principal ☐ Managed identity

Members: [+ Select members](#)

Name	Object ID	Type
No members selected		

Description: Optional

[Review + assign](#) [Previous](#) [Next](#)

Select members

Select

☒ DocumentToPDFFunction

Selected members:
No members selected. Search for and add one or more members you want to assign to the role for this resource.
[Learn more about RBAC](#)

[Select](#) [Close](#)

9. Review and Assign

Add role assignment

Assignment type: Role Members **Review + assign**

Role: Contributor

Scope: /subscriptions/

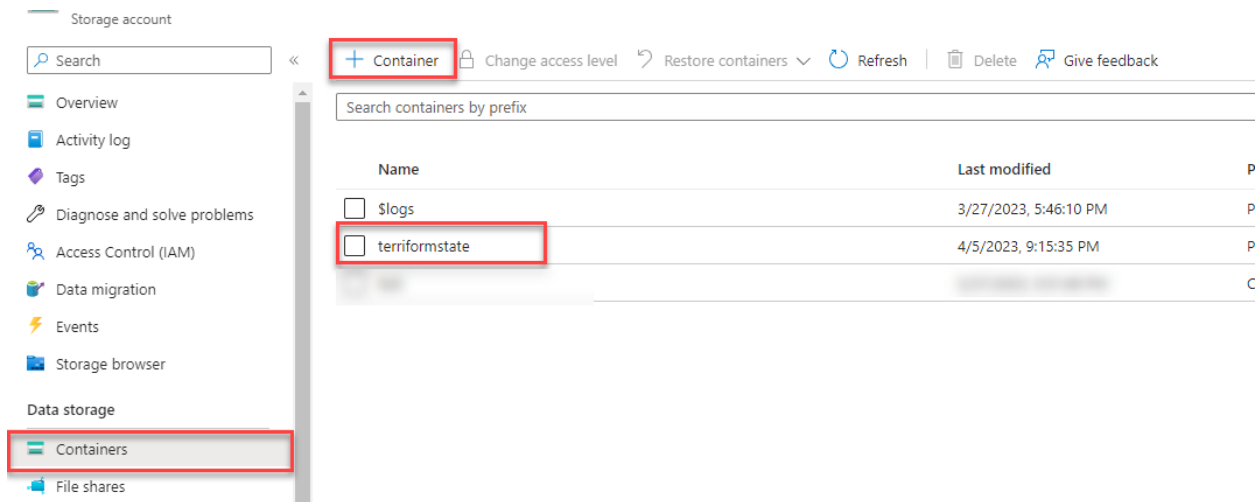
Members	Name	Object ID	Type
	DocumentToPDFFunction	9ffb8cc8-9abe-427b-8350-8b85ecd6b77b	App

Description: No description

[Review + assign](#) [Previous](#) [Next](#)

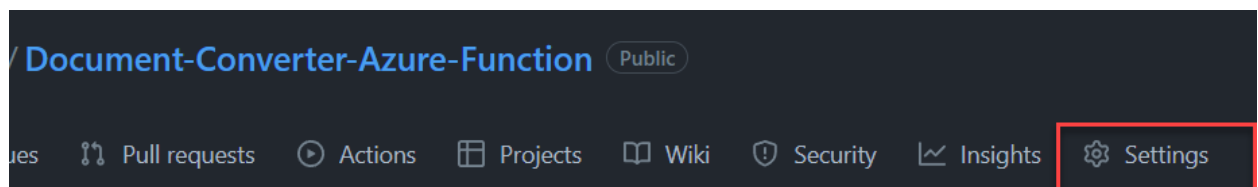
10. Create a resource group to store Terraform State files for deployment

11. Create a storage account to store the State Files. Create a container inside the Storage account used to store the Terraform State Files.

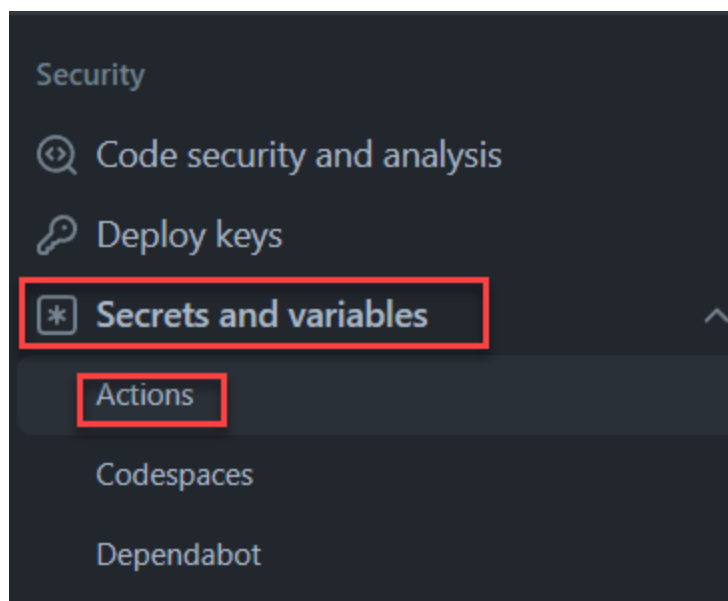


GitHub Configuration

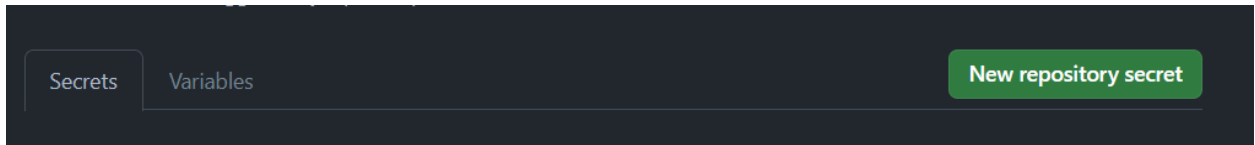
1. In the Document Converter Azure Function repository select Settings



2. Under the security section of settings select secrets and variables. Select Actions.



3. Select the secrets tab and New repository secret.



4. Create the secrets that will be used to identify your Azure account to enable Azure deployment

--Azure Client ID: Can be found on the overview page of the DocumentToPDFFunction App registration

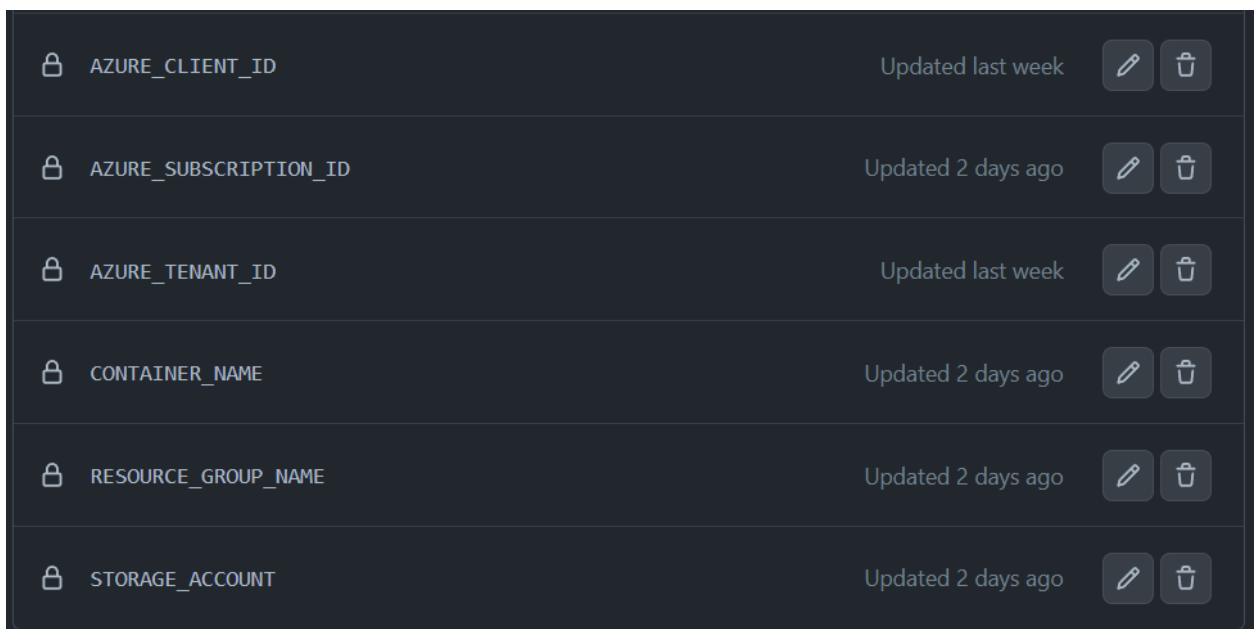
--Subscription ID: Found on the overview page of your subscription

--Tenant ID: Found on the overview page of the main Azure AD page

--Container Name: Name of the container inside of the storage account

--Resource Group: resource group used to hold the Terriform State Files

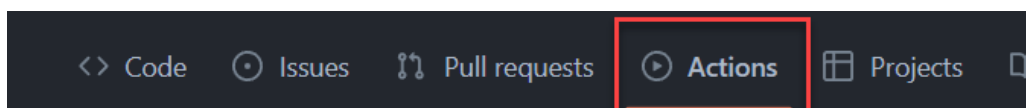
--Storage Account: Storage account name of the account used to store the Terriform State Files



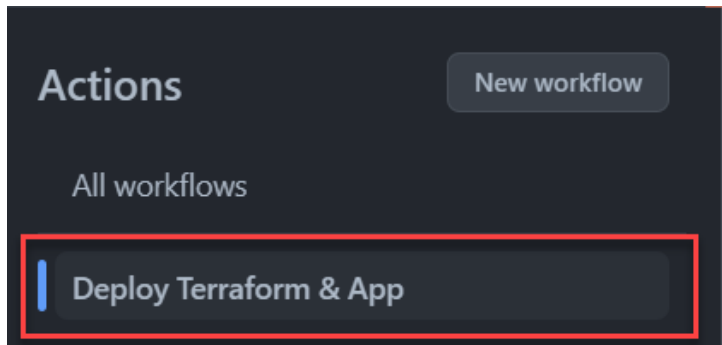
Setup for Deployment is Finished

Run deployment through GitHub Actions

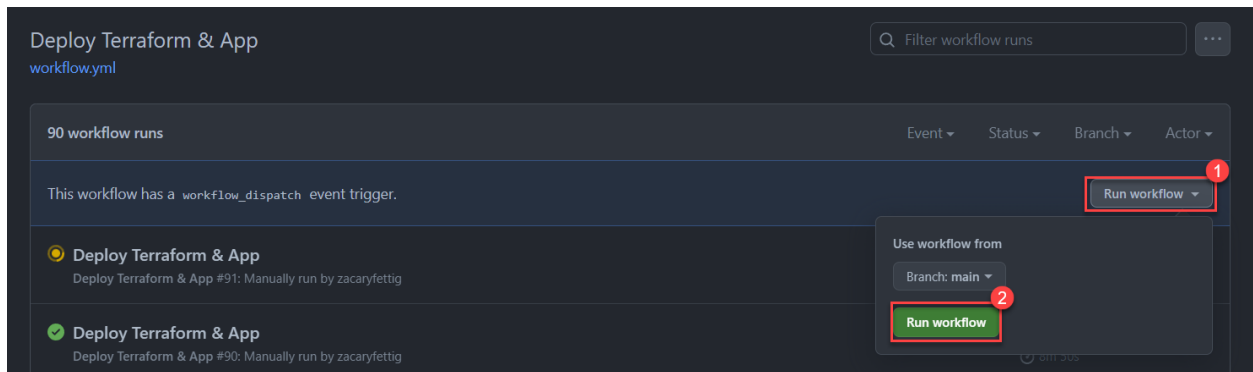
1. In the repo select Actions tab



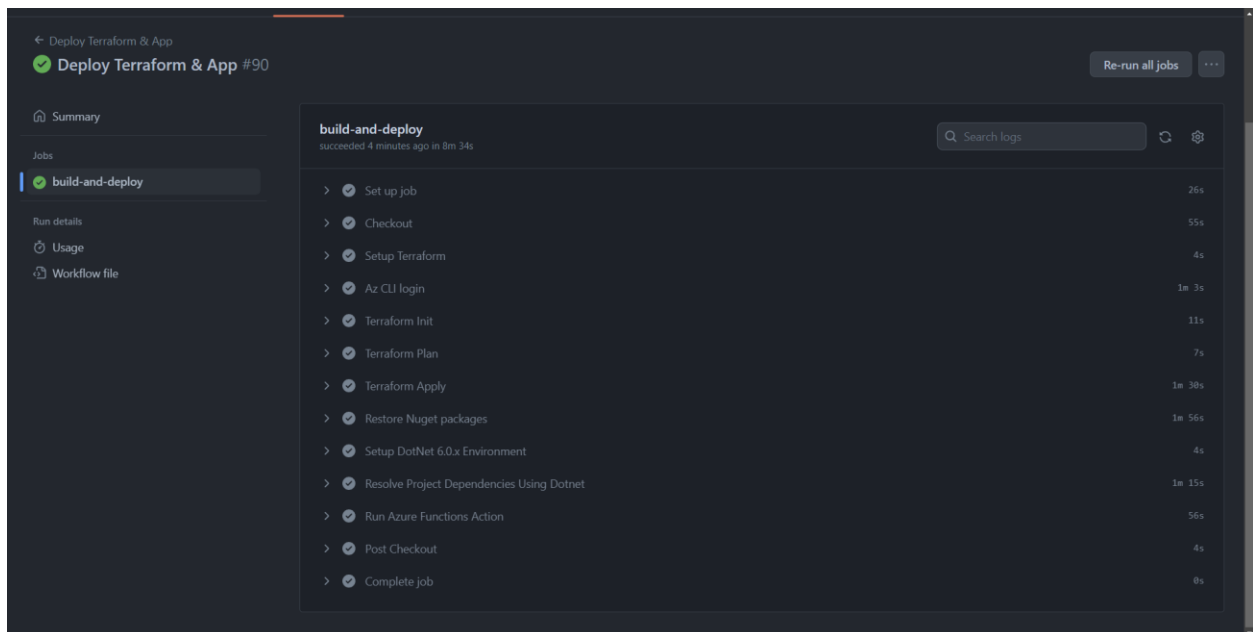
2. Select Deploy Terraform & App from the left side menu



3. Select Run Workflow on the right side of the page



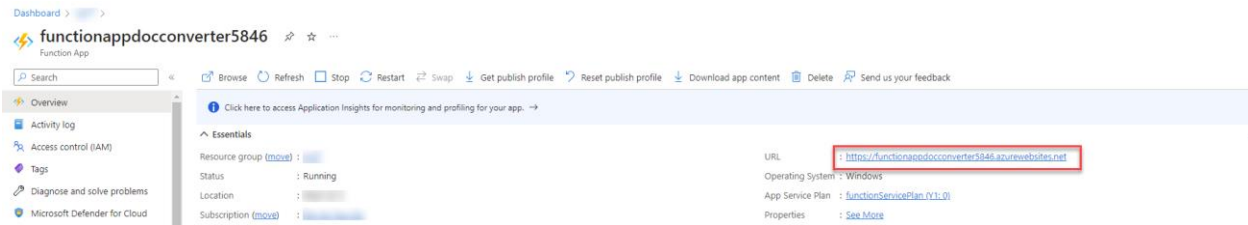
View progress of the build by clicking on the job



Green check mark means that build has completed successfully

Accessing the Word to PDF program

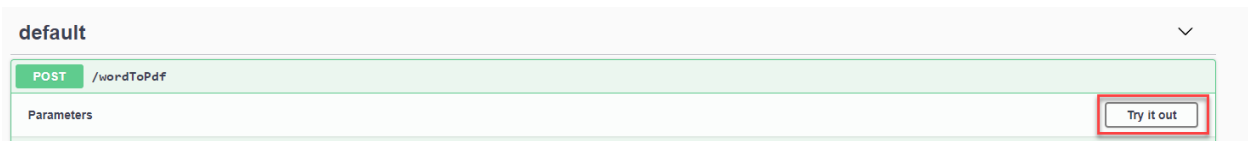
1. Get url of application from the functionApp resource overview page



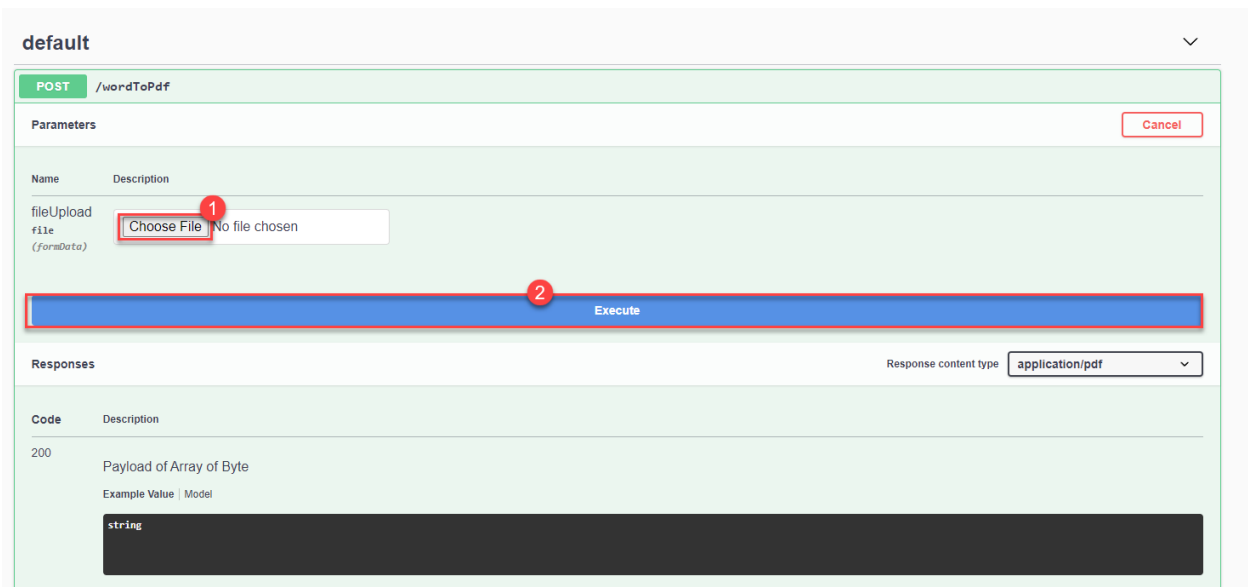
2. Add to the end of the url: `/api/swagger/ui#/default`

Full url using this example: <https://functionappdocconverter5846.azurewebsites.net/api/swagger/ui#/default>

3. Select try it out



4. Choose word file to upload and select Execute



Selecting Download File will Download the converted document as a pdf file

Responses

Response content type application/pdf

Curl

curl -X POST "https://functionappdocconverter5846.azurewebsites.net/api/wordToPdf" -H "accept: application/pdf" -H "Content-Type: multipart/form-data" -F "fileUpload=@Document Converter Deployment Instructions.docx"

Request URL

https://functionappdocconverter5846.azurewebsites.net/api/wordToPdf

Server response

Code	Details
200	<div><div>Response body</div><div>Download file</div><div>Response headers</div><div>content-disposition: attachment;Document.pdf content-length: 748686 content-type: application/pdf date: Sun, 09 Apr 2023 00:23:42 GMT</div></div>

Responses

Code	Description
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