# Stories 7: Deploy lms frontend using pipelines to static web app

Deployment Token:

In Azure, a deployment token is typically used in scenarios where you want to automate deployments from a CI/CD (Continuous Integration/Continuous Deployment) system, such as Azure DevOps , without using explicit credentials in your scripts or pipelines.

Azure DevOps pipelines will deploy to particular resource .. eg azure static web app service
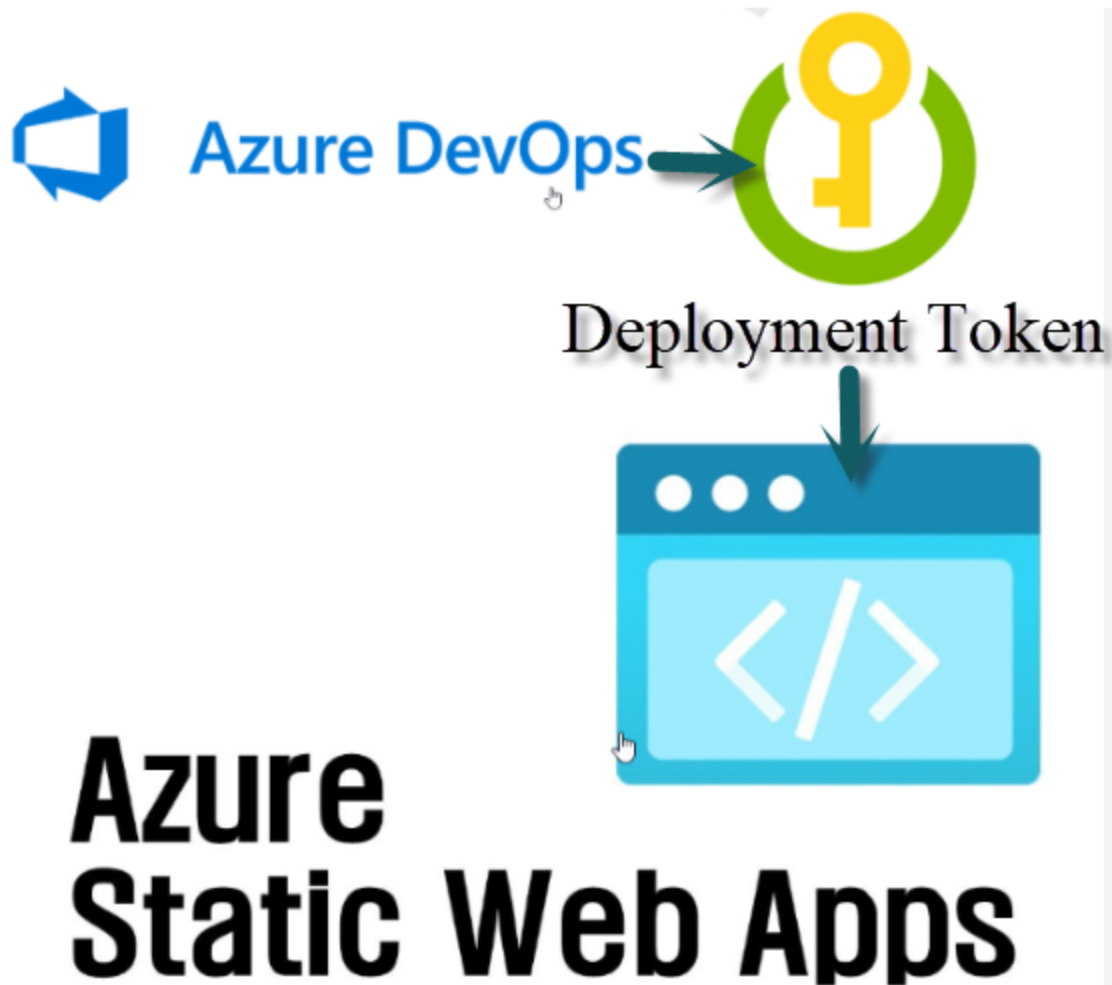
Lab : To Deploy Front using Azure pipelines

Steps :

Create A static web app
Create a Pipeline and
Deploy using static webapp using deployment tokens

Step 1: Create a static web app

Home > Static Web Apps >

Create Static Web App ...

Basics   Tags   Review + create

App Service Static Web Apps is a streamlined, highly efficient solution to take your static app from source code to global high availability. Pre-rendered content is distributed globally with no web servers required. Learn more ⟋

Project Details

Select a subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription * ⓘ   Pay-As-You-Go   ⌄

    Resource Group * ⓘ   (New) frontenddeploy_group   ⌄
                           Create new

Static Web App details

Name *   frontenddeploy   ✓

Hosting plan

The hosting plan dictates your bandwidth, custom domain, storage, and other available features. Compare plans

Plan type   ⦿ Free: For hobby or personal projects
                                   ◯ Standard: For general purpose production apps

Azure Functions and staging details

Region for Azure Functions API and   Central US   ⌄
staging environments *

Deployment details

Source   ◯ GitHub   ◯ Azure DevOps   ⦿ Other   ⟵ *for pipelines*

> ⓘ Select this option to use other deployment methods. After the app is created, open it and follow the instructions to   ✕
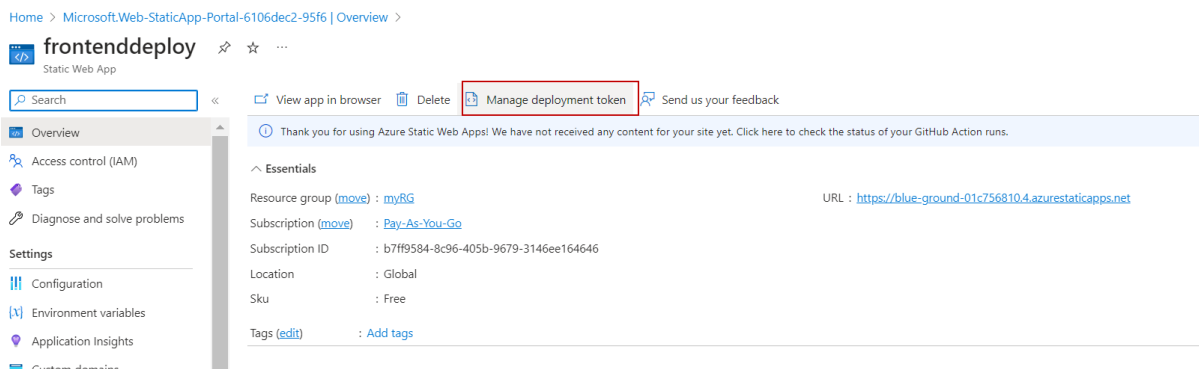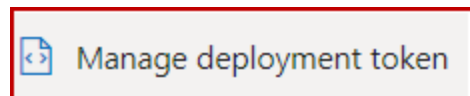>   deploy your app.

[Review + create]   [< Previous]   [Next : Tags >]

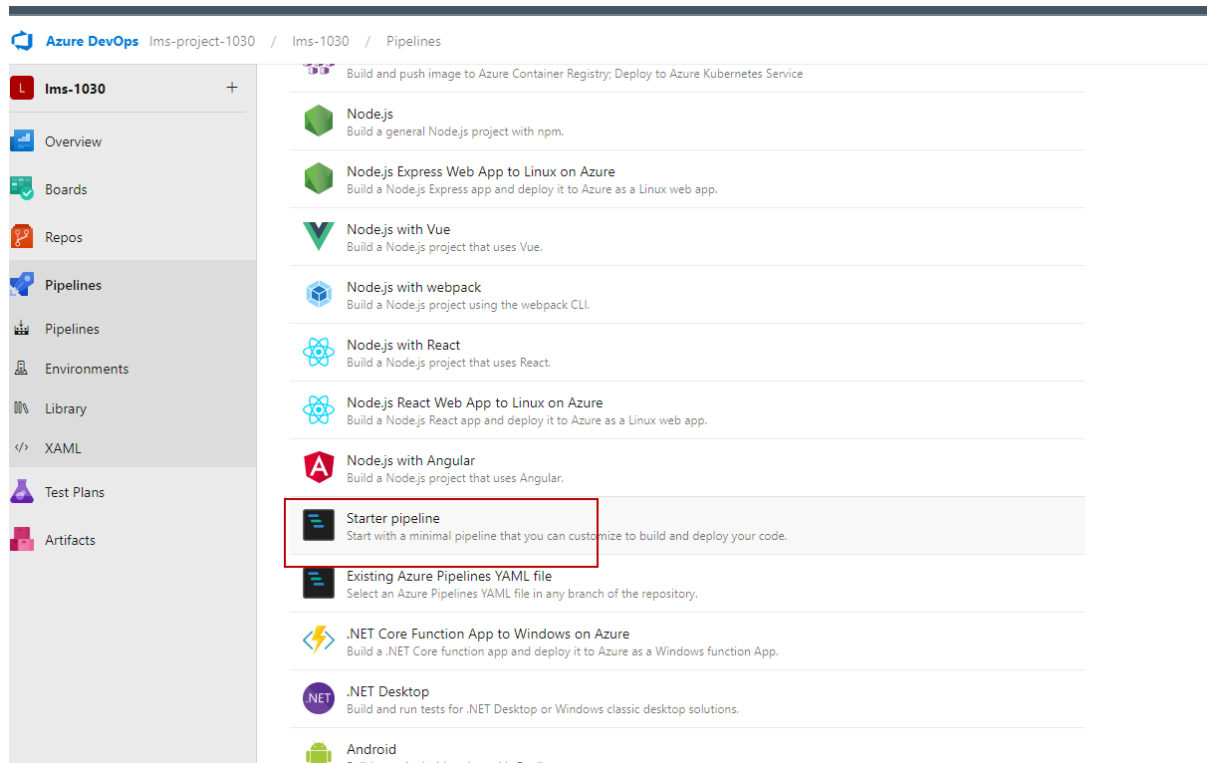step 2 : Copy the Deployment token and use it in pipelines

Step 3 : Create a Pipeline

Remove the default
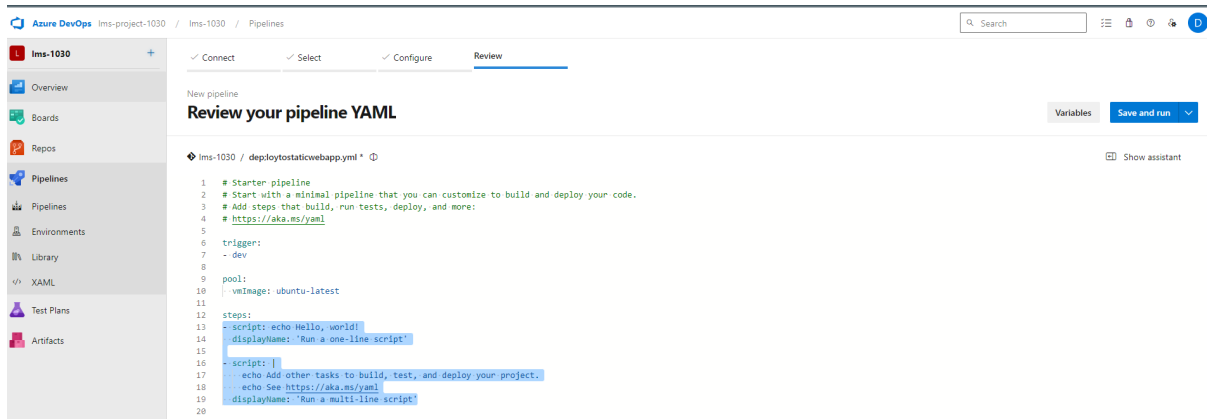
Search for static web app
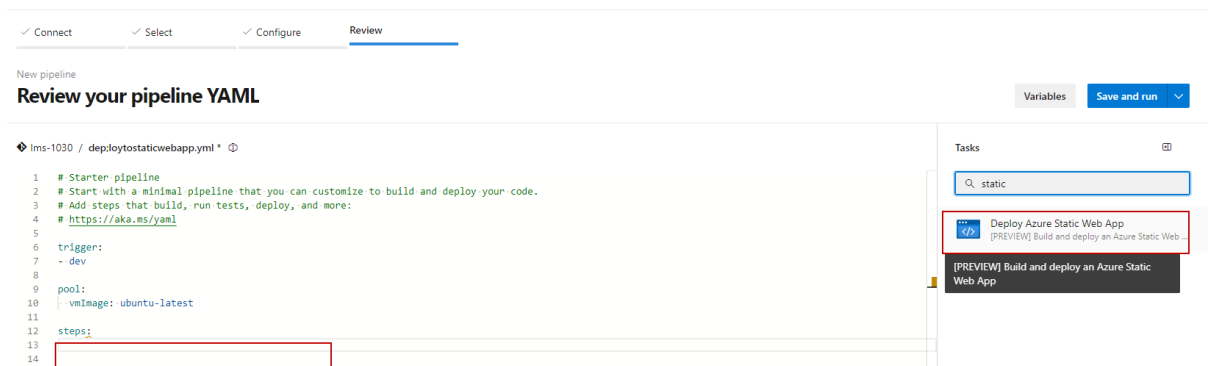
Add azure_static_web_apps_api_token: Copy token from static web app as shown below

Save and run

Jobs in run #20240226.1
lms-1030 (3)

Jobs

⌄ 🔵 Job		51s
	✓ Initialize job	<1s
	✅ Checkout lms-1030@dev to s	1s
	🔵 AzureStaticWebApp	48s
	◯ Post-job: Checkout lms-1030@dev t...	

🔵 AzureStaticWebApp

```
1   Starting: AzureStaticWebApp
2   ===============================================
3   Task         : Deploy Azure Static Web App
4   Description  : [PREVIEW] Build and deploy an Azure
5   Version      : 0.228.0
6   Author       : Microsoft Corporation
7   Help         : https://aka.ms/swadocs
8   ===============================================
9   /usr/bin/bash /home/vsts/work/_tasks/AzureStaticWe
10  stable: Pulling from appsvc/staticappsclient
11  d1da99c2f148: Pulling fs layer
12  577ff23cfe55: Pulling fs layer
13  4f4fb700ef54: Pulling fs layer
14  8ad0174b54d1: Pulling fs layer
15  1cab09709e3d: Pulling fs layer
16  50df470da120: Pulling fs layer
17  ee9a6d5ae1e7: Pulling fs layer
18  443ffe03b1a7: Pulling fs layer
19  d6fa8d0f7a05: Pulling fs layer
20  9676276d1e82: Pulling fs layer
21  920d577accc7: Pulling fs layer
22  13c8e58a7fce: Pulling fs layer
23  08b6a5819017: Pulling fs layer
24  466344463e40: Pulling fs layer
25  41778669d83e: Pulling fs layer
26  ec98153aa6eb: Pulling fs layer
27  61d22bb66810: Pulling fs layer
28  9b53145609e7: Pulling fs layer
29  8ad0174b54d1: Waiting
30  1cab09709e3d: Waiting
31  50df470da120: Waiting
32  ee9a6d5ae1e7: Waiting
33  443ffe03b1a7: Waiting
```

Pipeline yaml code:

```
# Starter pipeline
# Start with a minimal pipeline that you can customize to bui
# Add steps that build, run tests, deploy, and more:
# https://aka.ms/yaml

trigger:
```

```yaml
- dev

pool:
  vmImage: ubuntu-latest

steps:
- task: AzureStaticWebApp@0
  inputs:
    app_location: 'webapp'
    app_build_command: 'npm run build'
    output_location: 'dist'
    skip_api_build: true
    azure_static_web_apps_api_token: "ff5079bca772fc8a94abe64
    verbose: true
```