**CHATGPT Generated Python YML:**

name: Python Application Workflow (Self-Hosted)

on:

push:

branches:

- main

pull\_request:

branches:

- main

env:

AZURE\_STORAGE\_CONNECTION\_STRING: ${{ secrets.AZURE\_STORAGE\_CONNECTION\_STRING }}

SONARQUBE\_TOKEN: ${{ secrets.SONARQUBE\_TOKEN }}

jobs:

build:

runs-on: self-hosted

steps:

- name: Checkout code

uses: actions/checkout@v2

- name: Set up Python

uses: actions/setup-python@v2

with:

python-version: '3.x' # Replace 'x' with the desired version of Python

- name: Install dependencies

run: |

python -m pip install --upgrade pip

pip install -r requirements.txt # Replace with the path to your requirements.txt file

- name: Run SonarQube analysis

run: sonar-scanner -Dsonar.login=${{ secrets.SONARQUBE\_TOKEN }}

env:

SONAR\_HOST\_URL: <sonarqube-server-url> # Replace with the URL of your SonarQube server

- name: Publish build artifact to Azure Storage Blob

uses: azure/CLI@v1

with:

azcliversion: '2.30.0'

inlineScript: |

az storage blob upload-batch --source <path-to-artifacts> --destination <destination-container> --destination-path <destination-path> --connection-string ${{ env.AZURE\_STORAGE\_CONNECTION\_STRING }}

- name: Install Docker

uses: azure/docker-compose@v1

- name: Build Docker Compose files

run: docker-compose build

# Add additional Docker Compose commands if needed

- name: Deploy the application

run: docker-compose up -d

# Add any additional deployment steps if needed

**Changed Python YML File:**

name: CICD Pipeline

on:

workflow\_dispatch:

push:

branches:

- manualTrigger

env:

SONAR\_TOKEN: '75621cba6337eff300a0b42e8d68eb9d4cdbe709'

SONAR\_HOST\_URL: 'http://brillioonesonar.eastus.cloudapp.azure.com:9000'

jobs:

build:

runs-on:

- self-hosted

- label-1

steps:

- name: Checkout Repository

uses: actions/checkout@v2

- name: Set up Python

uses: actions/setup-python@v2

with:

python-version: 3.x

- name: Install Dependencies

run: |

python -m pip install --upgrade pip

pip install Flask-API

pip --no-cache-dir install -r requirements.txt

- name: SonarQube Scan

uses: SonarSource/sonarqube-scan-action@v1

with:

sonar-token: ${{ env.SONAR\_TOKEN }}

project-key: GenAISonarQubeTesting

project-name: GenAISonarQubeTesting

project-version: 1.0

sources: .

exclusions: tests/\*\*

# Set other analysis parameters as required

- name: Run Azure CLI

uses: azure/CLI@v1

with:

azcliversion: latest

inlineScript: |

az storage blob upload-batch --destination gen-ai --source ./ --connection-string "DefaultEndpointsProtocol=https;EndpointSuffix=core.windows.net;AccountName=genaiartifacts;AccountKey=MhFql0ZJvV7pkVaIv+hz7YQXkQU1WHQqpFF6lBrHnE0FsexIGnEIHkhR542oTwbM7y5Hd4IuUXvh+AStIv3LNw==;BlobEndpoint=https://genaiartifacts.blob.core.windows.net/;FileEndpoint=https://genaiartifacts.file.core.windows.net/;QueueEndpoint=https://genaiartifacts.queue.core.windows.net/;TableEndpoint=https://genaiartifacts.table.core.windows.net/"

- name: Docker-compose UP

run: docker-compose up -d