

Lab2:

Azure DevOps build/Test/Deploy Pipeline erfolgreich:

Nach dem commit, startet die Pipeline automatisch aufgrund des eingestellten triggers im .yaml file.

Hierbei wird nach den erfolgreichen Tests, die applikation automatisch deployed.

trigger:
- main

The screenshot shows the Azure DevOps interface for a pipeline named 'SWDevOps'. The pipeline is in a 'Jobs in run #20201108.25' state. The job list on the left shows a sequence of steps: Initialize job, Checkout MatthiasMan..., Install Nodejs, npm install and build, NodeTool, Npm, Npm, PublishTestResults, AzureWebApp, Post-job: Checkout M..., and Finalize Job. The 'Npm' job is highlighted, and its details are shown on the right. The Npm job output shows a successful test run with 2 passing tests (21ms) and a message 'Finishing: Npm'.

Azure DevOps build/Test/Deploy Pipeline fehlgeschlagen:

Nun wurde der Rückgabe-Wert "Hello World!" zu "Hello Worlddd!" geändert und erneut committed. Die Pipeline startet wieder automatisch, schlägt diesmal jedoch fehl, da ein test fehlschlägt. Dadurch wird NICHT deployed.

The screenshot shows the Azure DevOps interface for a pipeline named 'SWDevOps'. The pipeline is in a 'Jobs in run #20201108.26' state. The job list on the left shows a sequence of steps: Initialize job, Checkout MatthiasMan..., Install Nodejs, npm install and build, NodeTool, Npm, Npm, PublishTestResults, AzureWebApp, Post-job: Checkout M..., and Finalize Job. The 'Npm' job is highlighted, and its details are shown on the right. The Npm job output shows a failed test run with 1 failing test (32ms) and a message 'Uncaught AssertionError: expected 'Hello Worlddd!' to equal 'Hello World!''.

Azure DevOps Release Pipeline:

Es wurde eine Release Pipeline erstellt die durch continuous deployment immer angetriggert wird, wenn die build/Test/Deploy Pipeline fertig ist.

Hierbei startet sie jedoch nicht direkt, sondern muss (wie eingestellt), vor dem Release noch von der/den eingestellten Person/en approved werden.

The screenshot shows the 'New release pipeline' configuration in Azure DevOps. The 'Pre-deployment conditions' panel is open, showing 'Pre-deployment approvals' enabled for Stage 1. The approver 'Matthias Mandl' is listed. The timeout is set to 30 days.

Pre-deployment conditions
Stage 1

Triggers
Define the trigger that will start deployment to this stage

Pre-deployment approvals ☒ Enabled
Select the users who can approve or reject deployments to this stage

Approvers Search users and groups for approvers

Timeout Days

Approval policies

- ☐ The user requesting a release or deployment should not approve it
- ☐ Revalidate identity of approver before completing the approval.
- ☐ Skip approval if the same approver approved the previous stage

Die Releases und ausstehende Releases der Release Pipeline:

The screenshot shows the 'Releases' page in Azure DevOps. A list of releases is displayed, including Release-18, Release-17, Release-16, Release-15, Release-14, and Release-13. Release-18 is pending approval on Stage 1. Release-17 is pending approval on Stage 1. Release-16 is approved on Stage 1. Release-15, Release-14, and Release-13 are also approved on Stage 1.

New release pipeline

Releases Deployments Analytics

1 Pending approval on Stage 1 stage.

Releases	Created	Stages
Release-18 20201108.27 main	8.11.2020, 18:05:37	Stage 1
Release-17 20201108.25 main	8.11.2020, 17:53:32	Stage 1
Release-16 20201108.24 main	8.11.2020, 17:04:11	Stage 1
Release-15 20201108.23 main	8.11.2020, 16:51:15	Stage 1
Release-14 20201108.23 main	8.11.2020, 16:44:13	Stage 1
Release-13 20201108.23 main	8.11.2020, 16:38:48	Stage 1

Bestätigen des Releases:

109544 / SWDevOps / Pipelines / Releases

Search all pipelines

New release pipeline

Stage 1

New release

Releases Deploy

Pending approval

Release-18 > Pending approval on Stage 1 stage.

Pre-deployment approval pending

View logs

Approval pending for 2 minutes

Waiting for all approvers to approve in sequence.

Timeout in 30d

Matthias Mandl

Pending for 2 minutes

Reassign

Comment

Defer deployment for later

Approve Reject

Erfolgreicher Release:

109544 / SWDevOps / Pipelines / Releases / New release pipeline / Release-18

Search

SWDevOps

Overview

Pipelines

Environments

Releases

Library

Task groups

Deployment groups

New release pipeline > Release-18

Pipeline Variables History

Deploy Cancel Refresh Edit

Release

Continuous deployment

for GitHub

8.11.2020, 18:05

Artifacts

MatthiasMan.FH...

20201108.27

main

Stages

Stage 1

Succeeded

2 warnings

on 8.11.2020, 18:05

Stage 1

Succeeded

Summary Commits Work Items View logs

Now at Release-18

View all deployments

Deployment succeeded

on 8.11.2020, 18:20

Ran for 2m 22s

Agent job - Succeeded

5/5 task(s) succeeded

2 warnings

Pre-deployment approval succeeded

Approved by Matthias Mandl on 8.11.2020, 18:18

Automatic trigger

Deployment triggered on 8.11.2020, 18:05

Associated changes

View commits and work items

_MatthiasMan.FH_MatthiasM_SoftwareDepl ... / 20201108.27

main

Erfolgreicher Release inklusive eingebundenem Applikation Azure Application Insights:

109544 / SWDevOps / Pipelines / Releases / New release pipeline / Release-18

Search

SWDevOps

Overview

Pipelines

Environments

Releases

Library

Task groups

Deployment groups

New release pipeline > Release-18

Stage 1

Succeeded

Pipeline Tasks Variables Logs Tests

Deploy Cancel Refresh Download all logs Edit

Deployment process

Succeeded

Pre-deployment approvals

Approved

Agent job

Succeeded - 2 warnings

Agent job

Pool: Azure Pipelines - Agent: Hosted Agent

Started: 8.11.2020, 18:18:15

2m 22s

Initialize job - succeeded

4s

Enable Continuous Monitoring - succeeded - 2 warnings

1m 11s

Configure Application Insights Alerts - succeeded

51s

Azure App Service Deploy - succeeded

14s

Finalize Job - succeeded

<1s