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FEBRUARY 19, 2023

DevOps Classroomnotes 19/Feb/2023

Reusable Job and stage Templates

- Refer Here for examples on Job Templates and Refer Here for resuable Stage Templates

Service Connections

- Azure DevOps Service Connections Refer Here

Extensions

- Extensions in Azure DevOps are additional functionality provided by community.
- W.r.t YAML pipelines, Extensions give us extra tasks.
- Tasks in AzureDevOPs are implemented in nodejs
- Refer Here for an extension which helps in using terraform from yaml task
- To develop custom tasks Refer Here
- Lets install an extension for Terraform
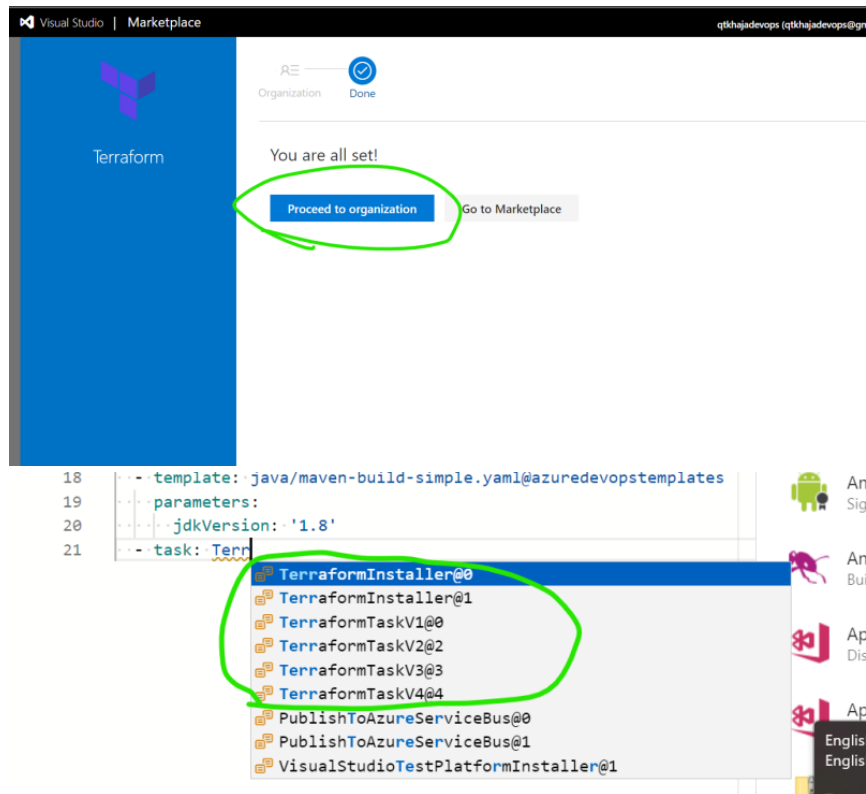
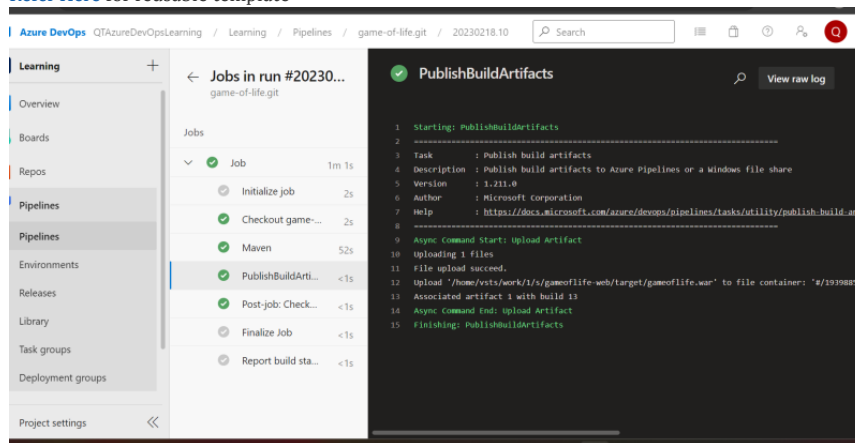- AWS DevOps Toolkit for Azure DevOps pipelines Refer Here and Refer Here for marketplace

Handling Artifacts

- How to archive build artifacts
- Azure DevOps has a task to copy the artifacts to
  - Azure pipelines
  - File Shares

- Refer Here for task definition
- Refer Here for reusable template

- The work done so far is copied to folder. To download the published artifact we have a task Refer Here
- To store artifacts we have special softwares such as nexus, jfrog etc. Azure DevOps offers Azure Artifacts for the same purpose
- Azure Artifacts Refer Here
- used goal deploy Refer Here
- Azure Artifacts deploy (Lets see this tomorrow)
- Next Steps:

  - Releases and Release Pipelines
  - Secrets
  - Code, Docker & k8s Scan (DevSecOps on Azure DevOps Pipelines)
  - Azure Artifacts for maven

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