



FEBRUARY 19, 2023

# DevOps Classroomnotes 19/Feb/2023

## Reusable Job and stage Templates

- [Refer Here](#) for examples on Job Templates and [Refer Here](#) for reusable Stage Templates

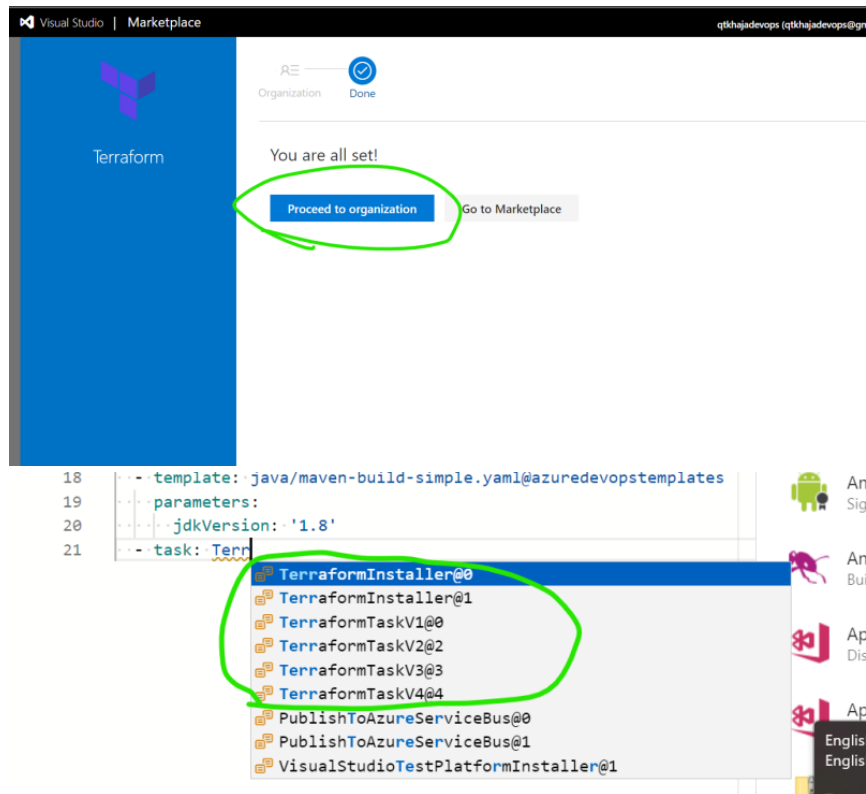
## Service Connections

- 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 Azure DevOps 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

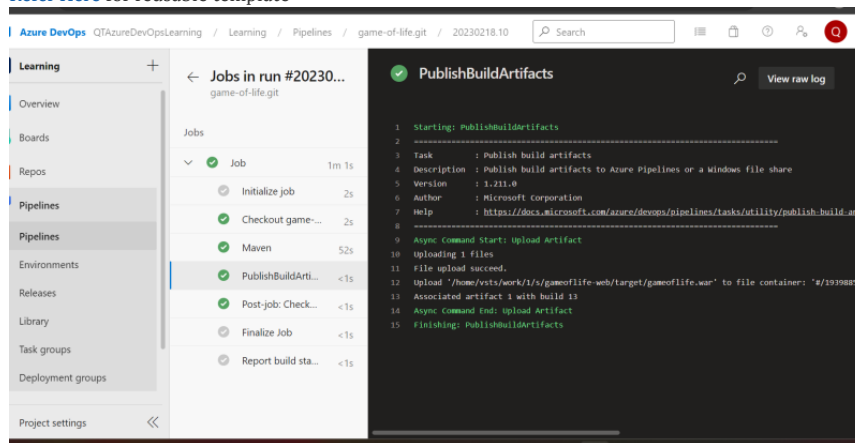
The screenshot shows the Visual Studio Marketplace interface for the Terraform extension. The top section displays the extension's name, publisher (Microsoft DevLabs), install count (68,294), and rating (4.5 stars from 25 reviews). A green circle highlights the 'Get it free' button. Below this, the 'About Terraform' section is visible. The bottom part of the screenshot shows the installation screen where the user is prompted to 'Select an Azure DevOps organization'. The 'Install' button is circled in green.



- 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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