MultiStaged-Pipeline

Push the code to project in azuredevops CI/CD

Search

Shuttledev-Batch29am-CI

Tasks   Variables   Triggers   Options   History   Save & queue   ⤺ Discard   ☰ Summary   ⋯

Pipeline
Build pipeline   ⋯

Get sources
shuttlerepo   main

Agent job 1   +
Run on agent

Maven pom.xml
Maven

Copy Files to: $(build.artifactsta...   ✓
Copy files

Publish Pipeline Artifact
Publish Pipeline Artifacts

Copy files ⓘ   Link settings   View YAML

Task version   2.*

Display name *
Copy Files to: $(build.artifactstagingdirectory)

Source Folder ⓘ
$(Build.SourcesDirectory)   ⋯

Contents * ⓘ
```
**/target/*.war
*.sql
**/terraform/**
```

Target Folder * ⓘ
$(build.artifactstagingdirectory)

Advanced ⌄

Control Options ⌄

Output Variables ⌄

Tasks   Variables   Triggers   Options   History   Save & queue   ⤺ Discard   ☰ Summary   ⋯

Pipeline
Build pipeline   ⋯

Get sources
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Copy Files to: $(build.artifactsta...
Copy files

Publish Pipeline Artifact   ✓
Publish Pipeline Artifacts

Publish Pipeline Artifacts ⓘ

Link settings   View YAML   🗑 Remove

Task version   1.*

Display name *
Publish Pipeline Artifact

File or directory path * ⓘ
$(build.artifactstagingdirectory)   ⋯

Artifact name ⓘ
drop

Artifact publish location * ⓘ

RUN THE PIPELINE

Now Navigate to release pipeline
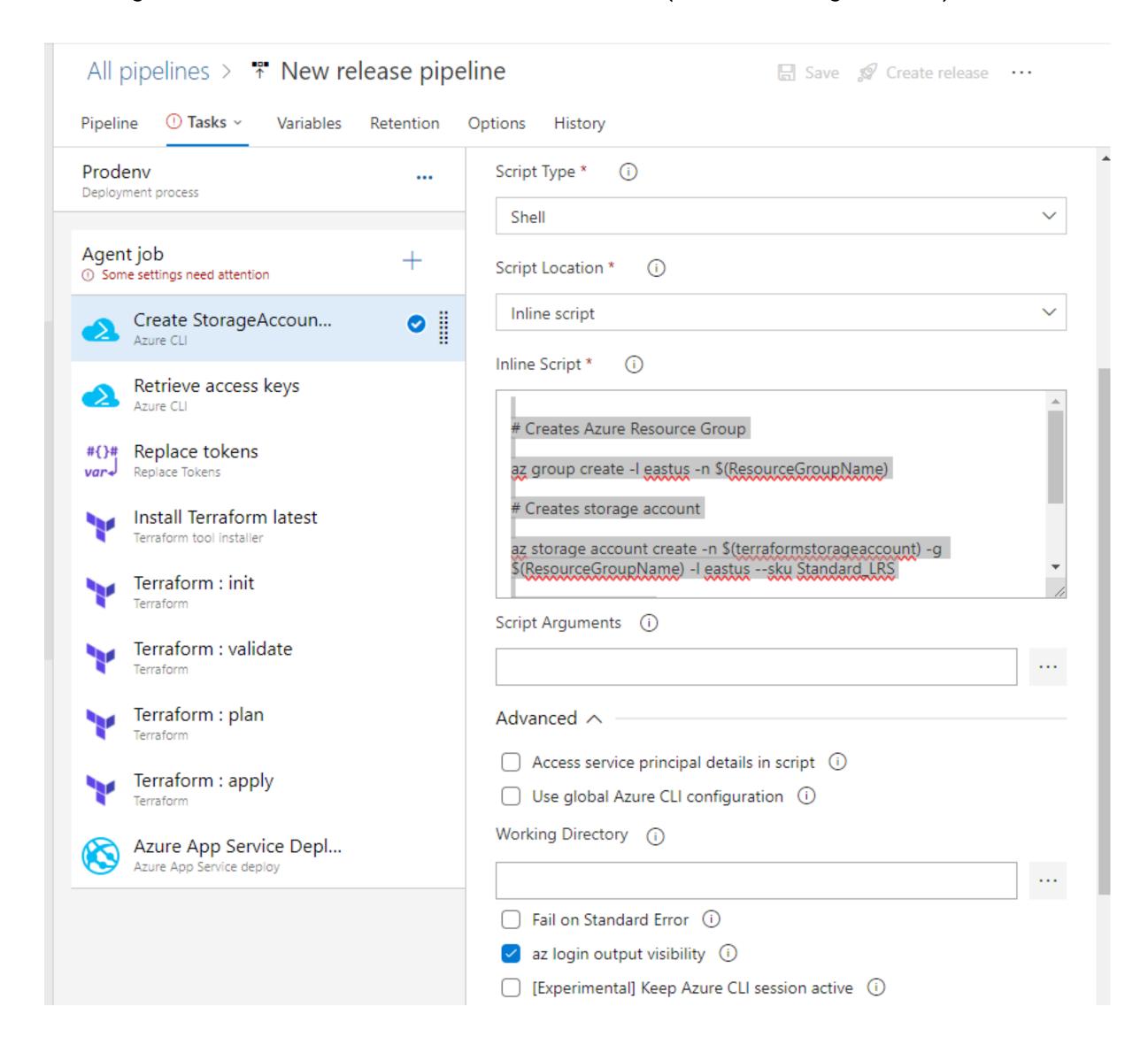Inlinescript:

Creates Azure Resource Group

az group create -l eastus -n $(ResourceGroupName)

Creates storage account

az storage account create -n $(terraformstorageaccount) -g $(ResourceGroupName) -l eastus –sku
Standard_LRS

Creates container

az storage container create -n terraform --account-name $(terraformstorageaccount)

New release pipeline

Variables Retention Options History

Filter by keywords

Name	Value
ResourceGroupName	VcubeProdRG
terraformstorageaccount	vcubeprodstore28734

+ Add

All pipelines > New release pipeline   Save Create release View releases

Pipeline Tasks ⌄ Variables Retention Options History

Pipeline variables

Variable groups

Predefined variables

Filter by keywords   Scope ⌄ ✕

Name	Value	🔒	Scope	Settable at r
aspname	"devaspname9823"		Prodenv	⌄
aspname	"devvaspname9823"		DevENv	⌄
location	"eastus"		Prodenv	⌄
location	"westus"		DevENv	⌄
ResourceGroupName	StorageProdRG		Release	⌄
rgname	"VcubeProdRG"		Prodenv	⌄
rgname	"VcubeDevRG"		DevENv	⌄
terraformstorageaccount	vcubeprodstore28734		Release	⌄
webappname	"vcubeapp2398"		Prodenv	⌄
webappname	"vcubedevapp2398"		DevENv	⌄

Pipeline ⓘ Tasks ⌄   Variables   Retention   Options   History

Prodenv
Deployment process   ···

Agent job   +
ⓘ Some settings need attention

☁ **Create StorageAccount ...**
   Azure CLI

☁ **Retrieve access keys**   ✓ ⋮
   Azure CLI

#{}# **Replace tokens**
var↵ Replace Tokens

◆ **Install Terraform latest**
   Terraform tool installer

◆ **Terraform : init**
   Terraform

◆ **Terraform : validate**
   Terraform

◆ **Terraform : plan**
   Terraform

◆ **Terraform : apply**
   Terraform

◉ **Azure App Service Deplo...**
   Azure App Service deploy

Azure CLI ⓘ   🗗 View YAML 🗑 Re

Task version | 2.*   ⌄ |

Display name *
| Retrieve access keys |

Azure Resource Manager connection *   ⓘ | Manage ↗
| DEV-Env (adfed678-4682-4bb0-a62f-2ebd77f373fd)   ⌄ | ↻
ⓘ Scoped to subscription 'DEV-Env'

Script Type *   ⓘ
| PowerShell   ⌄ |

Script Location *   ⓘ
| Inline script   ⌄ |

Inline Script *   ⓘ
```
$key=az storage account keys list -g $(ResourceGroupName) -n
$(terraformstorageaccount) --query [0].value -o tsv

Write-Host "##vso[task.setvariable variable=storagekey]$key"
```

Pipeline   ⊘ Tasks ⌄   Variables   Retention   Options   History

Prodenv
Deployment process   ⋯

Agent job   ＋
ⓘ Some settings need attention

☁ Create StorageAccount a...
Azure CLI

☁ Retrieve access keys
Azure CLI

#{}# var⏎ **Replace tokens**   ✓ ⠿
Replace Tokens

▲ Install Terraform latest
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Terraform

▲ Terraform : apply
Terraform

🌐 Azure App Service Deplo...
Azure App Service deploy

Replace Tokens ⓘ

🗐 View YAML   🗑 Re

Task version | 6.* ⌄ |

Display name *

| Replace tokens |

Root   ⓘ

| | | ⋯ |

Source files *   ⓘ

```
**/*.tf
**/*.tfvars
```

Token pattern   ⓘ

| #{ ... }# ⌄ |

☑ Case insensitive paths   ⓘ
☑ Include dot paths   ⓘ

Files encoding   ⓘ

| auto ⌄ |

☐ Add BOM   ⓘ

Additional variables (YAML)   ⓘ

Search

All pipelines > ⟲ New release pipeline

💾 Save 🚀 Creat

Pipeline   ⓘ Tasks ⌄   Variables   Retention   Options   History

Prodenv
Deployment process   ···

Additional command arguments   ⓘ

Agent job   +
ⓘ Some settings need attention

Create StorageAccount a...
Azure CLI

Retrieve access keys
Azure CLI

Replace tokens
Replace Tokens

Install Terraform latest
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Terraform : init   ✓   ⋮
Terraform

Terraform : validate
Terraform

Terraform : plan
Terraform

Terraform : apply
Terraform

Azure App Service Deplo...
Azure App Service deploy

AzureRM backend configuration ⌃

☐ Use Env Vars for Authentication   ⓘ

☐ Use Entra ID for Authentication   ⓘ

Azure Backend Service Connection *   ⓘ | Manage ⬈

DEV-Env (adfed678-4682-4bb0-a62f-2ebd77f373fd)

ⓘ Scoped to subscription 'DEV-Env'

Resource group *   ⓘ

$(ResourceGroupName)

Storage account *   ⓘ

$(terraformstorageaccount)

Container *   ⓘ

terraform

Key *   ⓘ

prod.terraform.tfstate

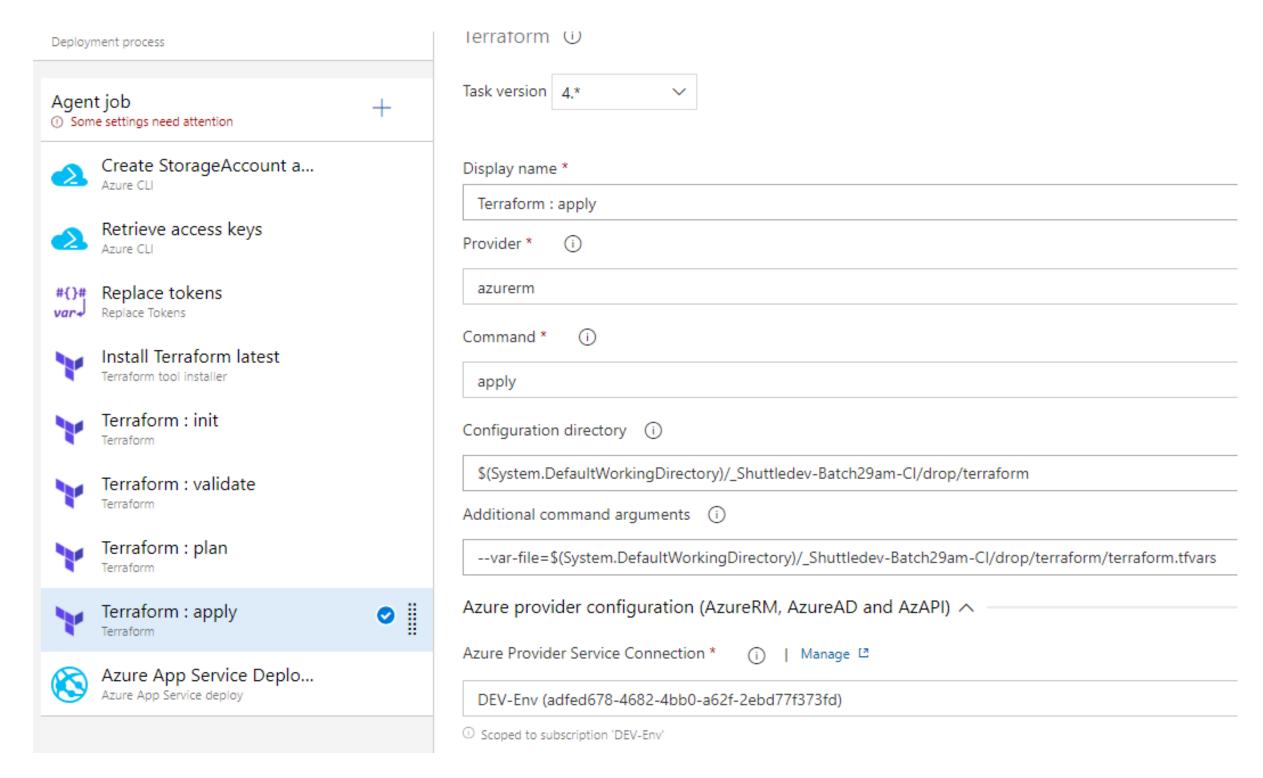Control Options ⌄

Environment Variables ⌄

Output Variables ⌄

At terraform apply, use below settings:

Configurationdirectroy:
$(System.DefaultWorkingDirectory)/_Shuttledev-Batch29am-CI/drop/terraform
additional:
–var-file=$(System.DefaultWorkingDirectory)/_Shuttledev-Batch29am-CI/drop/terraform/terraform.tfvars

All pipelines > ⚓ New release pipeline

🖫 Save   🚀 Create rel

Pipeline   ⓘ Tasks ⌄   Variables   Retention   Options   History

Prodenv
Deployment process   •••

Agent job   ➕
ⓘ Some settings need attention

| | Create StorageAccount a... |
| | Azure CLI |

| | Retrieve access keys |
| | Azure CLI |

| #{}# var | Replace tokens |
| | Replace Tokens |

| | Install Terraform latest |
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| | Terraform |

| | Terraform : plan |
| | Terraform |

| | Terraform : apply |
| | Terraform |

| | Azure App Service Deplo... ✅ ⋮ |
| | Azure App Service deploy |

Display name *

Azure App Service Deploy: vcubeapp2398

Connection type *   ⓘ

Azure Resource Manager

Azure subscription *   ⓘ | Manage ⬀

DEV-Env (adfed678-4682-4bb0-a62f-2ebd77f373fd)

ⓘ Scoped to subscription 'DEV-Env'

App Service type *   ⓘ

Web App on Linux

App Service name *   ⓘ

vcubeapp2398

☐ Deploy to Slot or App Service Environment   ⓘ

Package or folder *   ⓘ

$(System.DefaultWorkingDirectory)/_Shuttledev-Batch29am-
CI/drop/target/myshuttledev.war

Runtime Stack   ⓘ

Tomcat 8.5 (TOMCAT|8.5-jre8)

Startup command   ⓘ