

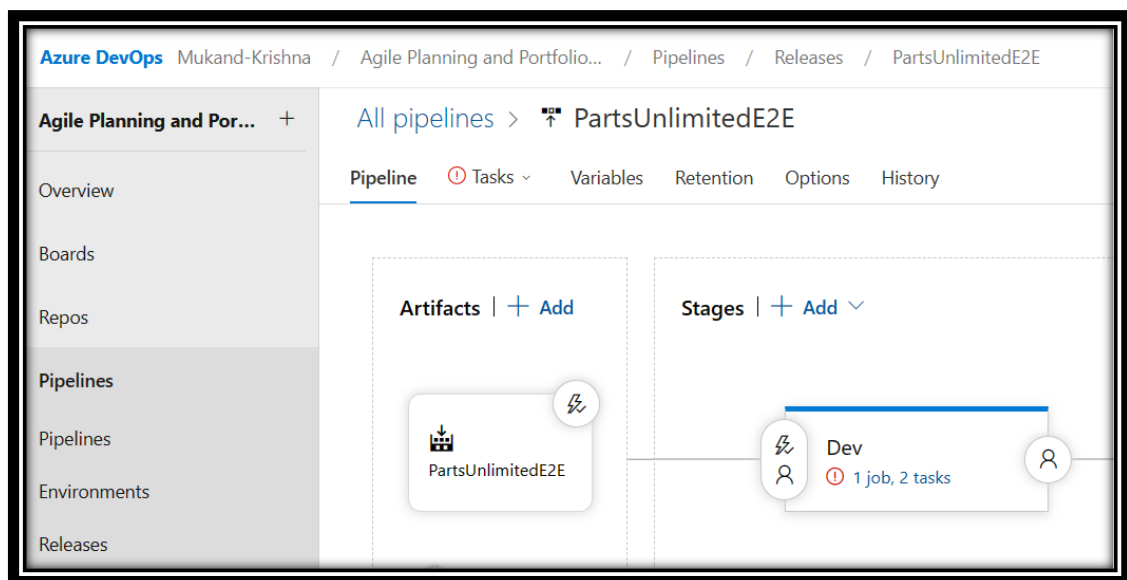
## Activity 7 - Ring-based deployment

Roll no: 20K-0409

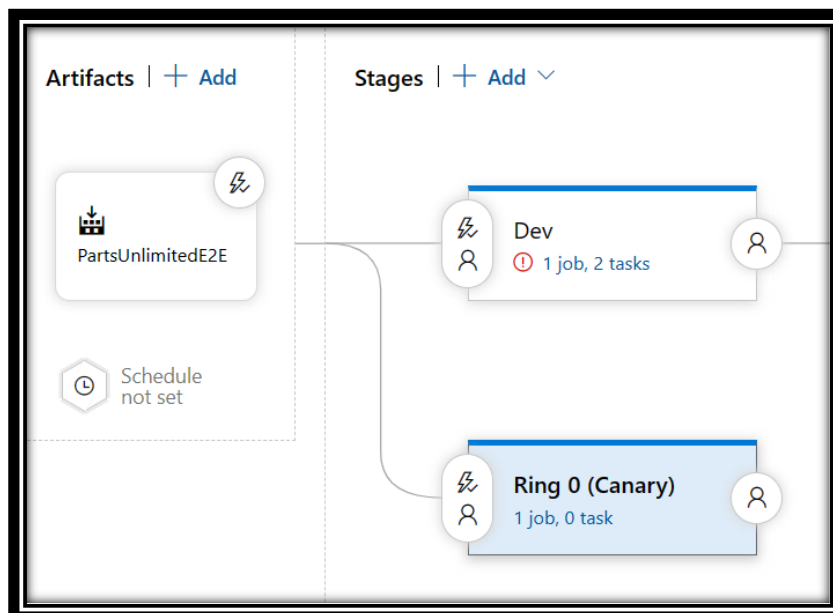
Using Existing Project : **Agile Planning**

### Screen Shots

1.



2 and 3



## 4, 5, and 6:

The screenshot shows the Azure DevOps web interface for a pipeline named "Ring based Deployment". The "Tasks" tab is selected, and the "Ring 0 (Canary)" task is highlighted. The task configuration panel on the right shows the following details:

- Task name:** Azure CLI
- Task version:** 1.\*
- Display name:** Azure CLI
- Azure subscription:** Azure for Students (89be51bf-cc68-4c1e-9024-d8899936b4a4)
- Script Location:** Inline script
- Inline Script:**

```
az webapp traffic-routing set --resource-group $(ResourceGroupName) --name $(WebsiteName) --distribution staging=10
```

## 7.: Variable automatically imported

The screenshot shows the "Variables" tab for the "Ring based Deployment" pipeline. The "Pipeline variables" section is active, and a table of variables is displayed:

Name	Value
HostingPlan	pule2e
ResourceGroupName	ASPDOTNET
ServerName	pule2e097f53f1
WebsiteName	pule2e097f53f1

Below the table, there is a "+ Add" button to create new variables.

8 and 9

Script Location \*

Inline script

Inline Script \*

```
az webapp traffic-routing set --resource-group $(ResourceGroupName) --  
name $(WebsiteName) --distribution staging=30
```

10.

Production  
1 job, 1 task

Public  
1 job, 1 task

Stage  
Public

Properties

Name and owners of the stage

Stage name  
Public

Stage owner  
Mukand Krishna

11.

Production  
1 job, 1 task

Public  
1 job, 1 task

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  
Mukand Krishna

Timeout  
30 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.

12.

Display name \*

Swap sites

Azure subscription \* ⓘ | [Manage](#)

Azure for Students (89be51bf-cc68-4c1e-9024-d8899936b4a4) ▼ ↻

ⓘ Scoped to subscription 'Azure for Students'

Script Location \* ⓘ

Inline script ▼

Inline Script \* ⓘ

```
az webapp deployment slot swap -g $(ResourceGroupName) -n $(WebsiteName)
--slot staging --target-slot production
```

13.

Stop staging traffic

Azure subscription \* ⓘ | [Manage](#)

Azure for Students (89be51bf-cc68-4c1e-9024-d8899936b4a4) ▼ ↻

ⓘ Scoped to subscription 'Azure for Students'

Script Location \* ⓘ

Inline script ▼

Inline Script \* ⓘ

```
az webapp traffic-routing set --resource-group $(ResourceGroupName) --name
$(WebsiteName) --distribution staging=0
```

Run Pipeline :

Mukand-Krishna / Agile Planning and Portfolio... / Pipelines / PartsUnlimitedE2E / 20231114.1

Jobs in run #20231114.1  
PartsUnlimitedE2E

Jobs	Duration
Phase 1	7s
Initialize job	2s
Checkout PartsUnlimited...	5s
NuGet restore	
Build solution	
Copy Files	
Publish Artifact	
Post-job: Checkout PartsU...	

Checkout PartsUnlimited@master to s

```
1 Starting: Checkout PartsUnlimited@master to s
2 -----
3 Task      : Get sources
4 Description: Get sources from a repository. Supports Git, TfsVC, and SVN repositories.
5 Version   : 1.0.0
6 Author    : Microsoft
7 Help      : [More Information](https://go.microsoft.com/fwlink/?linkid=798199)
8 -----
9 Syncing repository: PartsUnlimited (Git)
10 Prepending Path environment variable with directory containing 'git.exe'.
11 git version
12 git version 2.39.1.windows.1
13 git lfs version
```

14.

Mukand-Krishna / Agile Planning and Portfolio... / Pipelines / Releases / Ring based

## Create a new release

Ring based Deployment

Pipeline ⌵

Click on a stage to change its trigger from automated to manual.

Ring 0 (Canary) Ring 1 (Early) Public

Stages for a trigger change from automated to manual. ⓘ

Ring 0 (Canary) (+2)

Artifacts ⌵

Select the version for the artifact sources for this release

Source alias	Version
PartsUnlimitedE2E	20231114.1

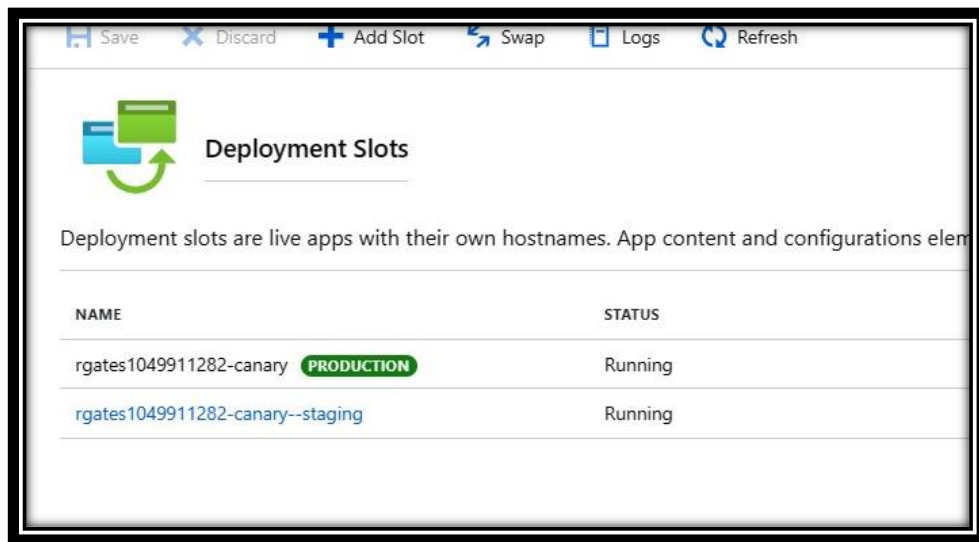
Release description

15. Error came:

Swap sites

```
2023-11-16T05:29:04.0462544Z azure-devops 0.26.0
2023-11-16T05:29:04.0462861Z
2023-11-16T05:29:04.0463142Z Dependencies:
2023-11-16T05:29:04.0463466Z msal 1.24.0b2
2023-11-16T05:29:04.0463882Z azure-mgmt-resource 23.1.0b2
2023-11-16T05:29:04.0464196Z
2023-11-16T05:29:04.0464966Z Python location 'C:\Program Files\Microsoft SDKs\Azure\CLI2\python.exe'
2023-11-16T05:29:04.0465980Z Extensions directory 'C:\Program Files\Common Files\AzureCLIExtensionDirectory'
2023-11-16T05:29:04.0466684Z
2023-11-16T05:29:04.0467500Z Python (Windows) 3.10.10 (tags/v3.10.10:aa5f5ea, Feb 7 2023, 17:28:36) [MSC v.1929 64 bit (AMD64)]
2023-11-16T05:29:04.0468170Z
2023-11-16T05:29:04.0468494Z Legal docs and information: aka.ms/AzureCLILegal
2023-11-16T05:29:04.0468865Z
2023-11-16T05:29:04.0469016Z
2023-11-16T05:29:04.0471626Z Setting AZURE_CONFIG_DIR env variable to: D:\a\_temp\azclitask
2023-11-16T05:29:04.0472927Z Setting active cloud to: AzureCloud
2023-11-16T05:29:04.1659287Z [command]C:\Windows\system32\cmd.exe /D /S /C ""C:\Program Files\Microsoft SDKs\Azure\CLI2\win\az.cmd" cloud set -n AzureCloud"
2023-11-16T05:29:10.1172518Z [command]C:\Windows\system32\cmd.exe /D /S /C ""C:\Program Files\Microsoft SDKs\Azure\CLI2\win\az.cmd" login --service-principal -u "" --password="" --te
2023-11-16T05:29:20.7925826Z {
2023-11-16T05:29:20.7994748Z {
2023-11-16T05:29:20.8105817Z "cloudName": "AzureCloud",
2023-11-16T05:29:20.8122053Z "homeTenantId": "a1e3cc4f-47e2-4e33-a7a1-5b14136b160b",
2023-11-16T05:29:20.8260177Z "id": "890e51bf-cc58-4c1e-9024-d8899360404",
2023-11-16T05:29:20.8281281Z "isDefault": true,
2023-11-16T05:29:20.8337741Z "managedByTenants": [],
2023-11-16T05:29:20.8410117Z "name": "Azure for Students",
2023-11-16T05:29:20.8767386Z "state": "Enabled",
2023-11-16T05:29:21.0414181Z "tenantId": "a1e3cc4f-47e2-4e33-a7a1-5b14136b160b",
2023-11-16T05:29:21.0417989Z "user": {
2023-11-16T05:29:21.0478964Z "name": "",
2023-11-16T05:29:21.0479801Z "type": "ServicePrincipal"
2023-11-16T05:29:21.0480341Z }
2023-11-16T05:29:21.0480626Z }
2023-11-16T05:29:21.0480842Z }
2023-11-16T05:29:21.0480858Z [command]C:\Windows\system32\cmd.exe /D /S /C ""C:\Program Files\Microsoft SDKs\Azure\CLI2\win\az.cmd" account set --subscription 890e51bf-cc58-4c1e-9024-d88
2023-11-16T05:29:21.7288326Z [command]C:\Windows\system32\cmd.exe /D /S /C "D:\a\_temp\azclitaskscript1700112536304.bat"
2023-11-16T05:29:21.7232743Z
2023-11-16T05:29:21.8675214Z D:\a\r\az\az webapp deployment slot swap -g DevOps108-RG -n RGATES272425160-Canary --slot staging --target-slot production
2023-11-16T05:29:25.3887767Z ERROR: (ResourceNotFound) The Resource 'Microsoft.Web/sites/RGATES272425160-Canary/slots/staging' under resource group 'DevOps108-RG' was not found. For more
2023-11-16T05:29:25.3891612Z Message: The Resource 'Microsoft.Web/sites/RGATES272425160-Canary/slots/staging' under resource group 'DevOps108-RG' was not found. For more details please go
2023-11-16T05:29:25.7025979Z #[error]Script failed with error: Error: The process 'D:\a\_temp\azclitaskscript1700112536304.bat' failed with exit code 3
2023-11-16T05:29:25.7025979Z at ExecState.setResult (D:\a\_tasks\AzureCLI_46e4be58-730b-4389-8a2f-ea10b3e5e815\1.225.0\node_modules\azure-pipelines-task-lib\toolrunner.js:943:25)
2023-11-16T05:29:25.7025979Z at ExecState.CheckComplete (D:\a\_tasks\AzureCLI_46e4be58-730b-4389-8a2f-ea10b3e5e815\1.225.0\node_modules\azure-pipelines-task-lib\toolrunner.js:926:18)
2023-11-16T05:29:25.7025979Z at ChildProcess. (D:\a\_tasks\AzureCLI_46e4be58-730b-4389-8a2f-ea10b3e5e815\1.225.0\node_modules\azure-pipelines-task-lib\toolrunner.js:839:19)
2023-11-16T05:29:25.7025979Z at ChildProcess.emit (node:events:513:28)
2023-11-16T05:29:25.7025979Z at maybeClose (node:internal/child_process:110:16)
2023-11-16T05:29:25.7025979Z at Process.ChildProcess._handle.onexit (node:internal/child_process:304:5)
2023-11-16T05:29:26.6181742Z [command]C:\Windows\system32\cmd.exe /D /S /C ""C:\Program Files\Microsoft SDKs\Azure\CLI2\win\az.cmd" account clear"
2023-11-16T05:29:26.6573289Z #[section]Finishing: Swap sites
```

## 16. After adding deployment slot in azure portal, worked



The screenshot shows the 'Deployment Slots' page in the Azure Portal. At the top, there is a toolbar with buttons for 'Save', 'Discard', 'Add Slot', 'Swap', 'Logs', and 'Refresh'. Below the toolbar is a header section with a green icon of a folder and a circular arrow, followed by the title 'Deployment Slots'. A descriptive text states: 'Deployment slots are live apps with their own hostnames. App content and configurations elem'. Below this is a table with two columns: 'NAME' and 'STATUS'.

NAME	STATUS
rgates1049911282-canary <b>PRODUCTION</b>	Running
rgates1049911282-canary--staging	Running

