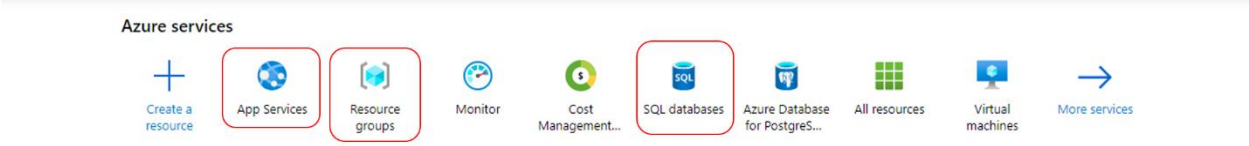
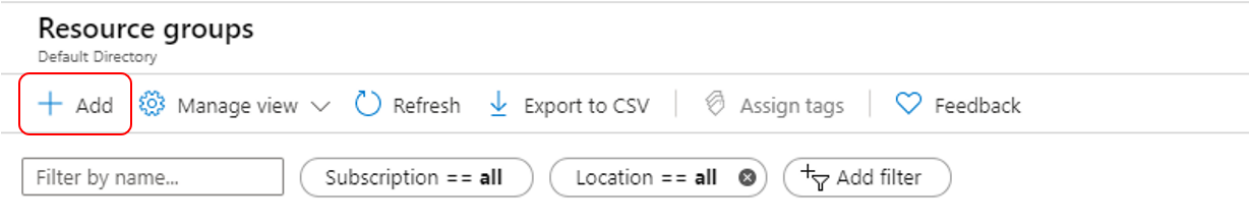
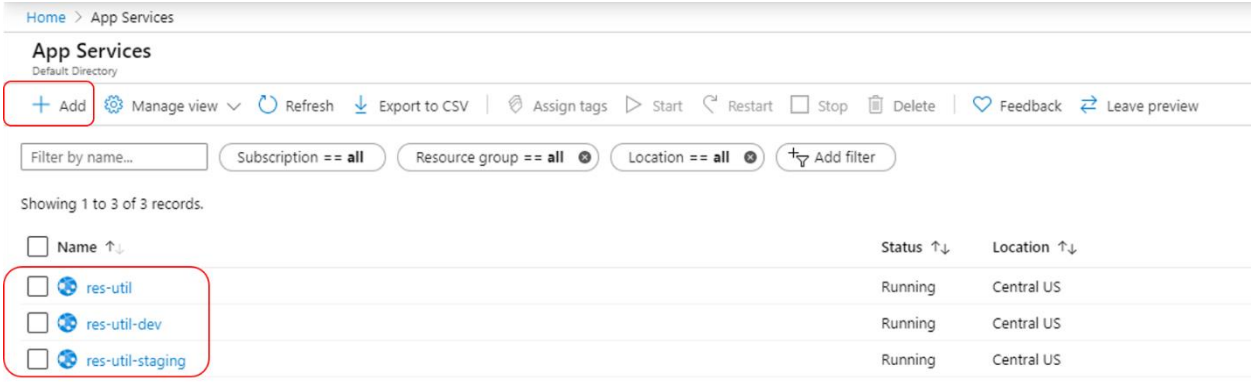


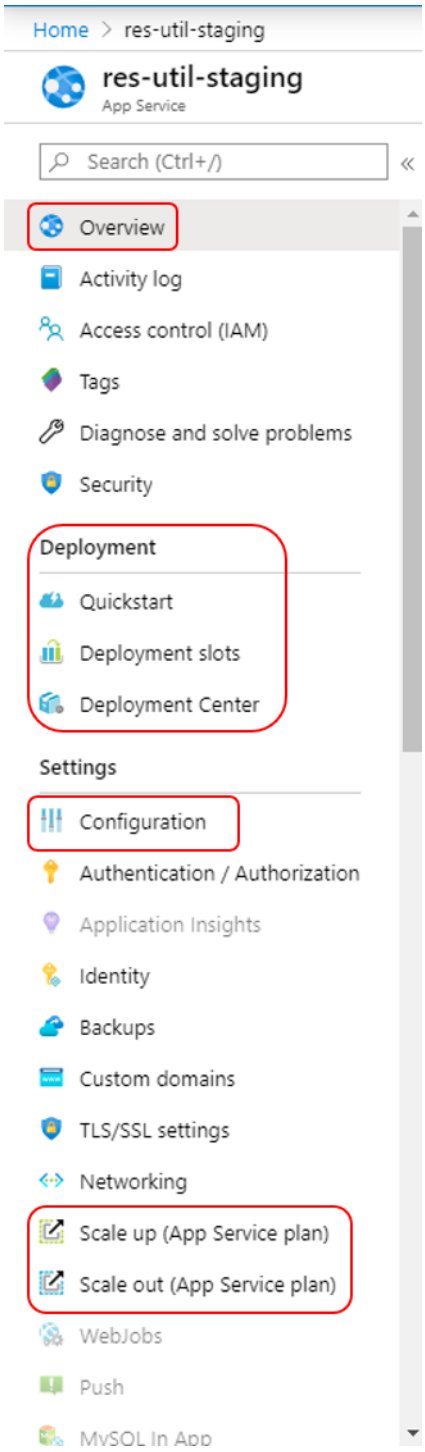
1. Create A Resource Group



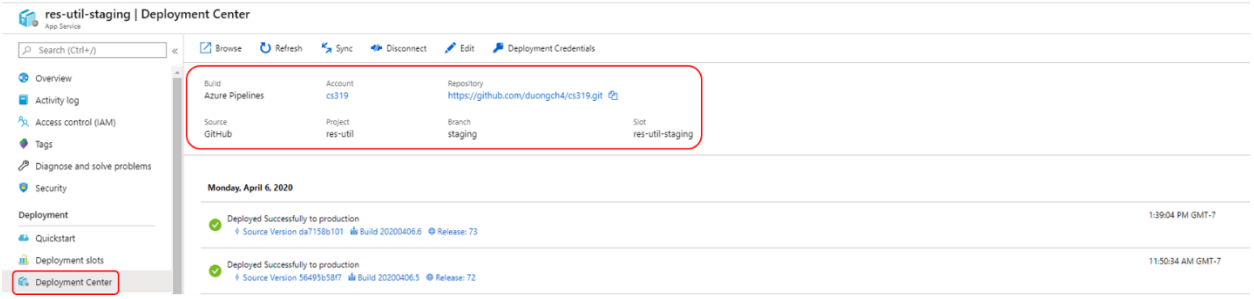
2. Create App Services:
    a. 3 different services: development, staging, and production



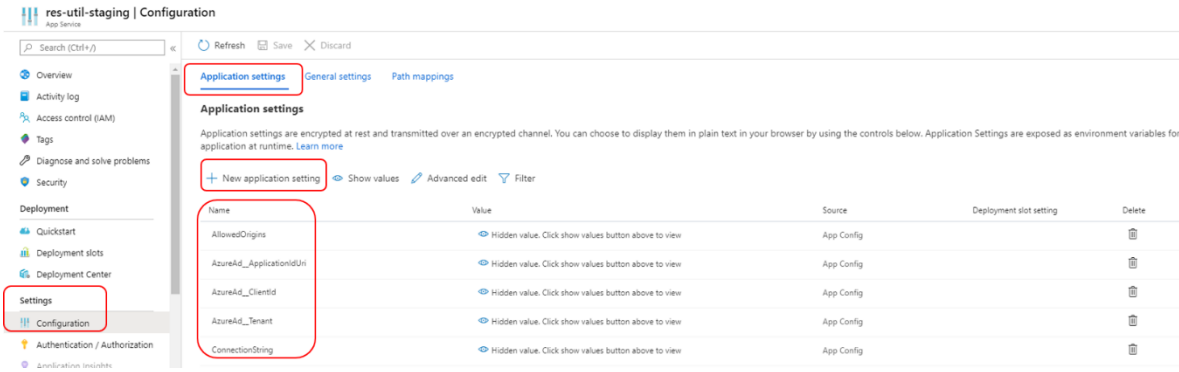
3. For one service, setup connections with Azure DevOps (through a)
    a. The options are shown below for each app service



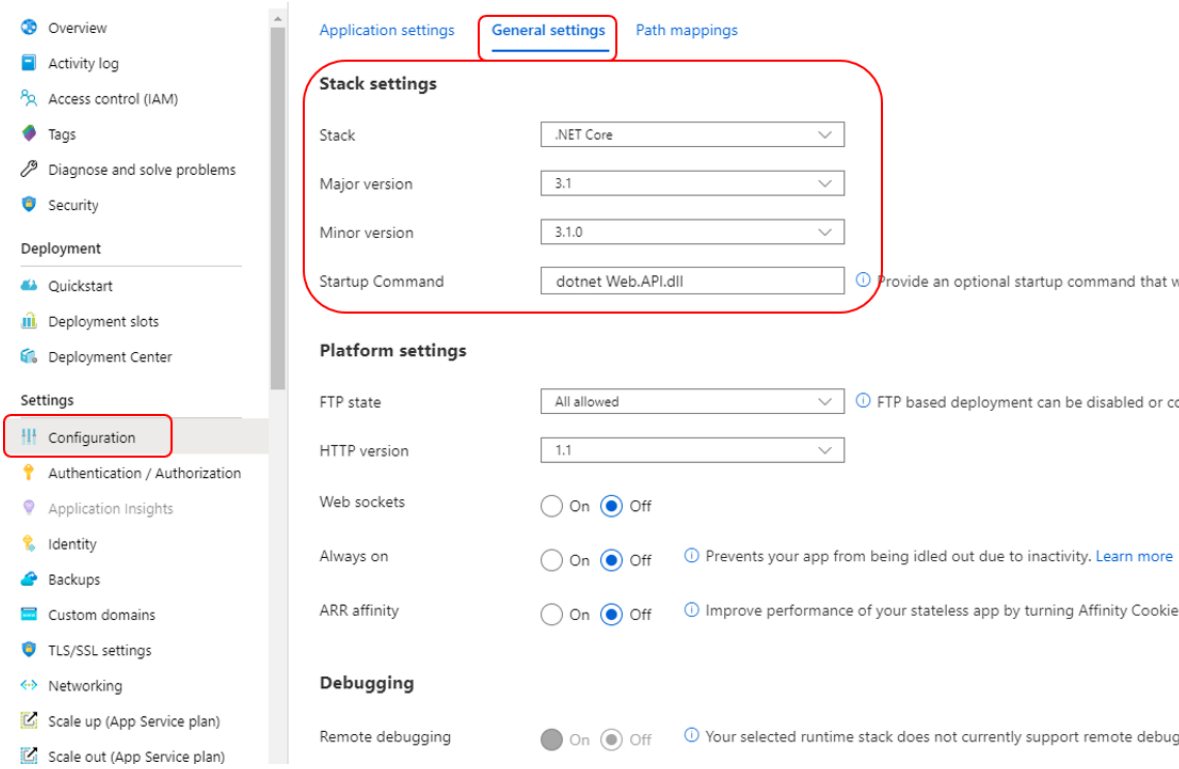
b. In Deployment Center:



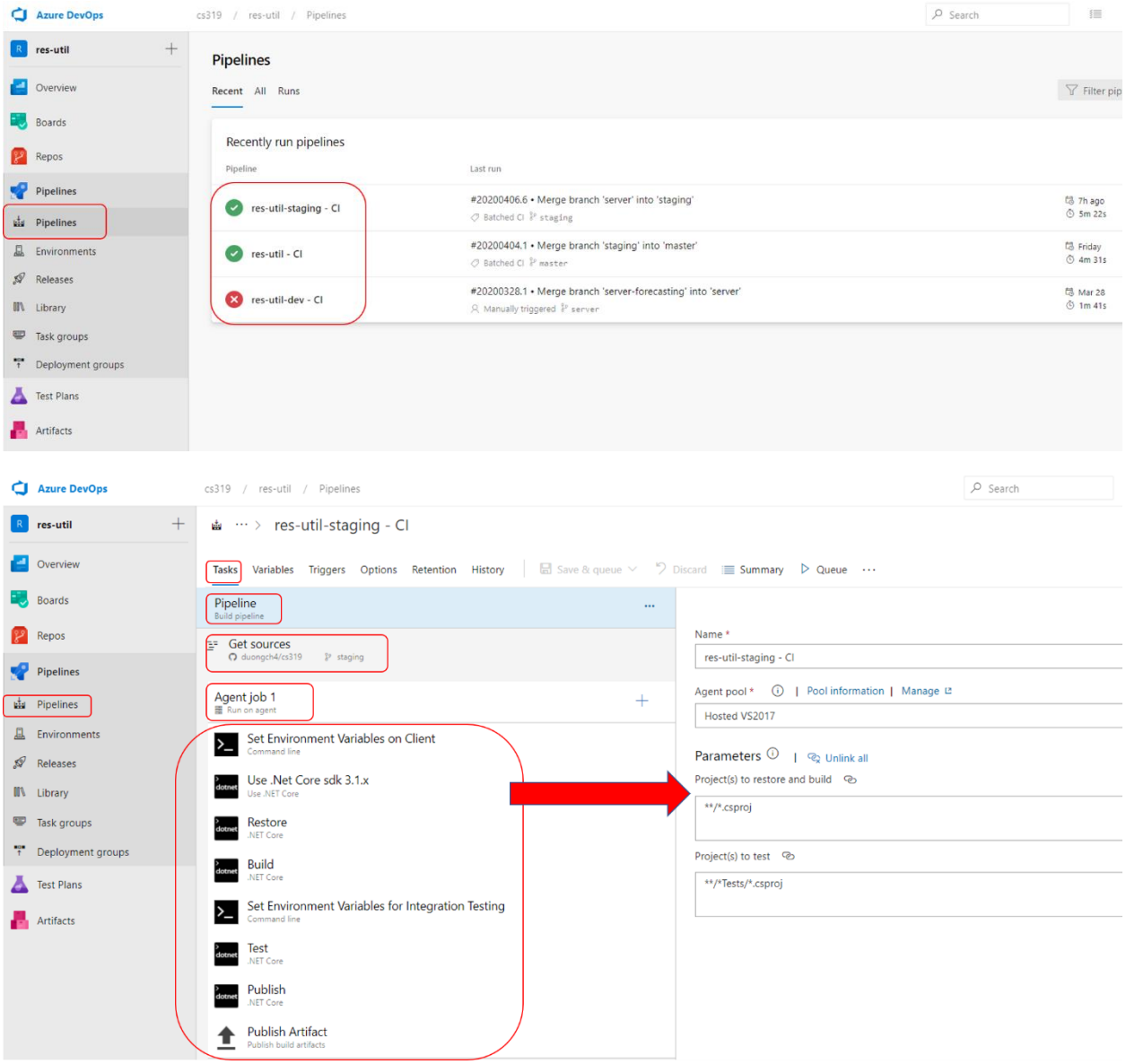
i. Connect to a code-hosting service: for example Github
ii. Setup CI/CD pipeline with Azure Pipelines from Azure DevOps
iii. Configure App Settings



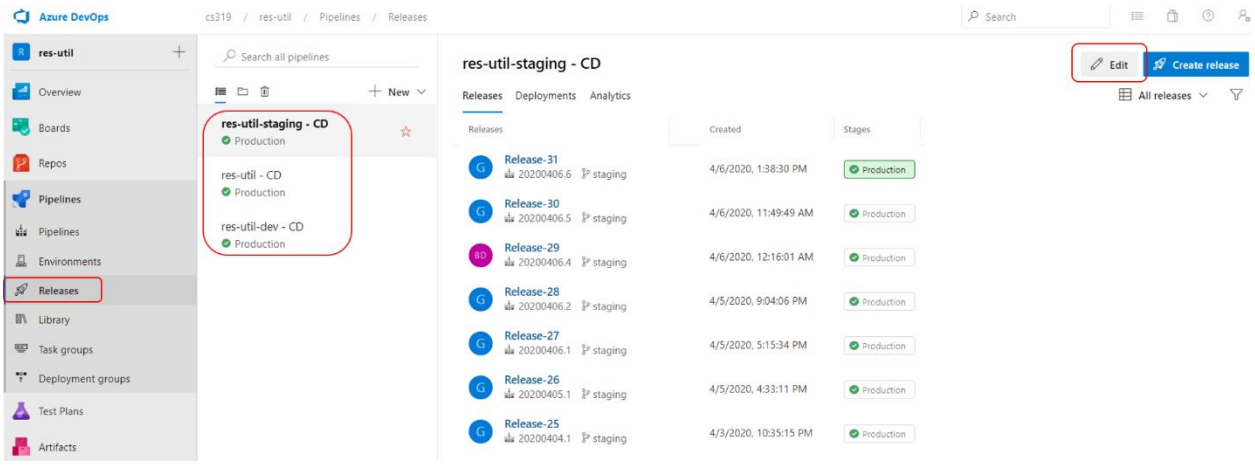
iv. Configure General Settings

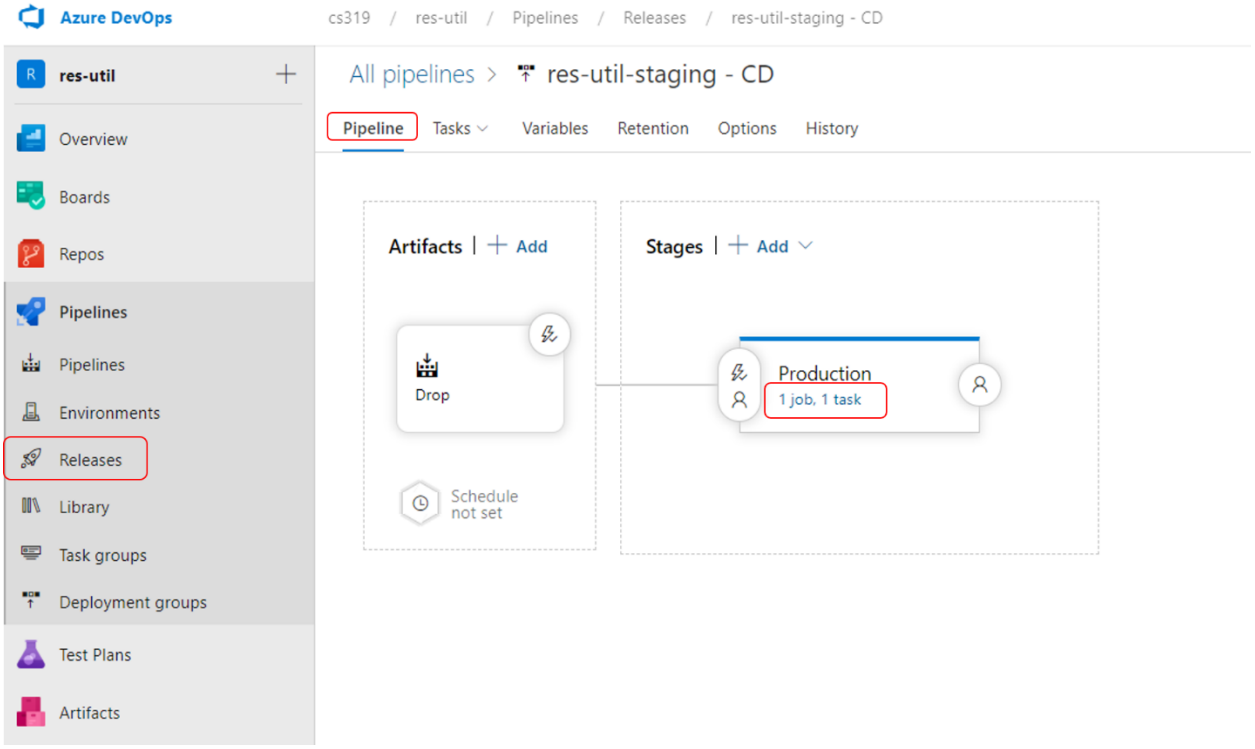


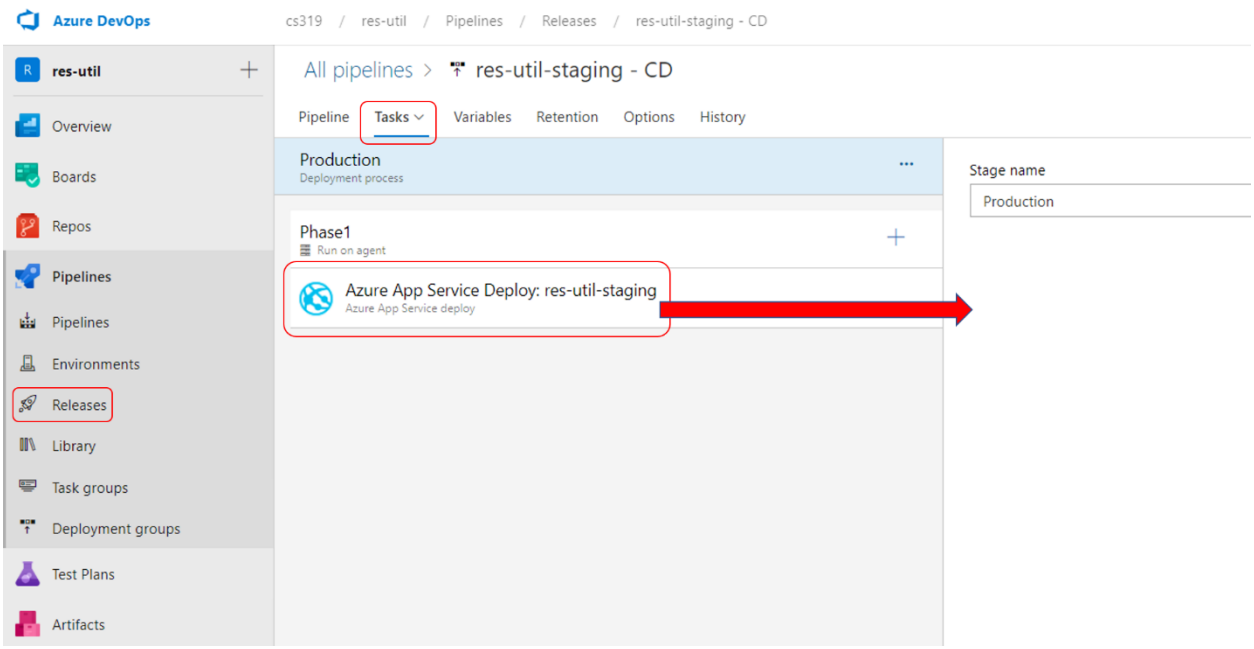
4. Setup Azure DevOps
    a. Continuous Integration (CI) Pipeline



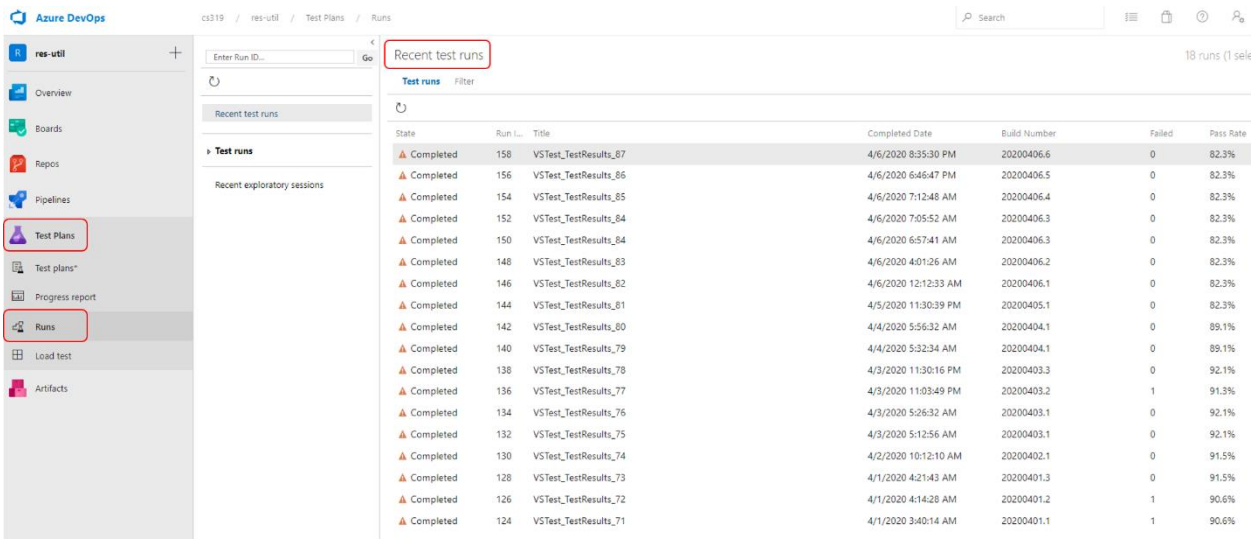
    b. Continuous Deployment (CD) Pipeline


Azure DevOps
cs319 / res-util / Pipelines / Releases
Search
res-util
Search all pipelines
New
Overview
Boards
Repos
Pipelines
Pipelines
Environments
Releases
Library
Task groups
Deployment groups
Test Plans
Artifacts
res-util-staging - CD
Production
res-util - CD
Production
res-util-dev - CD
Production
res-util-staging - CD
Edit
Create release
All releases
Releases
Deployments
Analytics
Releases
Created
Stages
Release-31 20200406.6 staging 4/6/2020, 1:38:30 PM Production
Release-30 20200406.5 staging 4/6/2020, 11:49:49 AM Production
Release-29 20200406.4 staging 4/6/2020, 12:16:01 AM Production
Release-28 20200406.2 staging 4/5/2020, 9:04:06 PM Production
Release-27 20200406.1 staging 4/5/2020, 5:15:34 PM Production
Release-26 20200405.1 staging 4/5/2020, 4:33:11 PM Production
Release-25 20200404.1 staging 4/3/2020, 10:35:15 PM Production

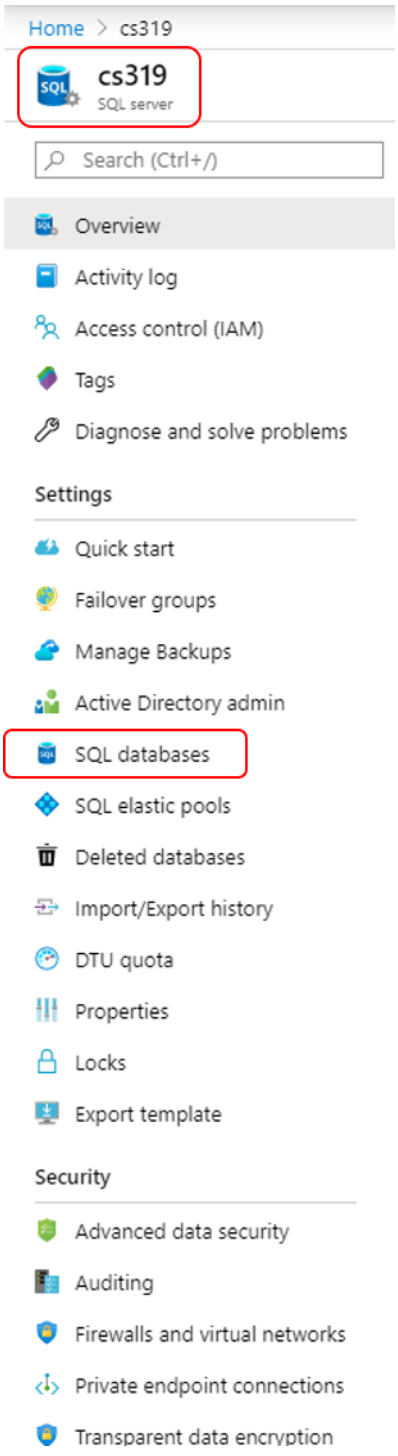

Azure DevOps
cs319 / res-util / Pipelines / Releases / res-util-staging - CD
res-util
Overview
Boards
Repos
Pipelines
Pipelines
Environments
Releases
Library
Task groups
Deployment groups
Test Plans
Artifacts
All pipelines > res-util-staging - CD
Pipeline
Tasks
Variables
Retention
Options
History
Artifacts | Add
Drop
Schedule not set
Stages | Add
Production
1 job, 1 task



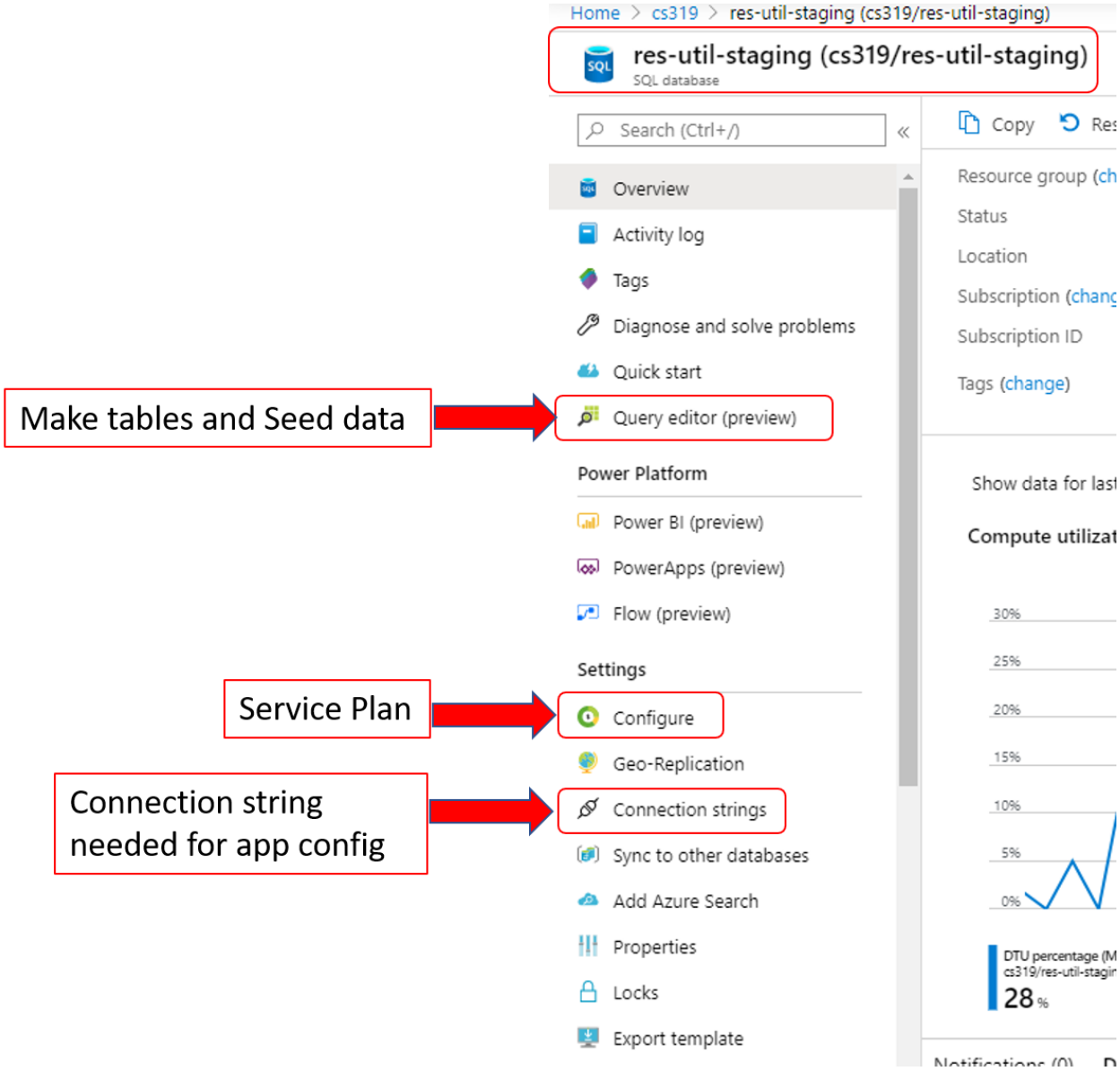
c. Test Plans: through Tasks setup in CI pipeline in (a)



5. Create SQL Server Databases


Home > cs319
cs319
SQL server
Search (Ctrl+/)
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Settings
Quick start
Failover groups
Manage Backups
Active Directory admin
SQL databases
SQL elastic pools
Deleted databases
Import/Export history
DTU quota
Properties
Locks
Export template
Security
Advanced data security
Auditing
Firewalls and virtual networks
Private endpoint connections
Transparent data encryption

Available resources
Filter by name
All types
2 databases
Name
Type
Status
Pricing tier
SQL database
res-util
SQL database
Online
Basic
res-util-staging
SQL database
Online
Basic


Make tables and Seed data
Service Plan
Connection string needed for app config
Home > cs319 > res-util-staging (cs319/res-util-staging)
res-util-staging (cs319/res-util-staging)
SQL database
Search (Ctrl+/)
Copy
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Activity log
Tags
Diagnose and solve problems
Quick start
Query editor (preview)
Power Platform
Power BI (preview)
PowerApps (preview)
Flow (preview)
Settings
Configure
Geo-Replication
Connection strings
Sync to other databases
Add Azure Search
Properties
Locks
Export template
Resource group (ch
Status
Location
Subscription (chang
Subscription ID
Tags (change)
Show data for last
Compute utilizat
30%
25%
20%
15%
10%
5%
0%
28 %