Workflow diagram:

Each tag represents a production release.

Tag: 1.0.0   Tag: 1.0.1   Tag: 1.1.0   Tag: 1.2.0

Hotfix Commit

Checklist for Release

master
The main branch

develop
The development branch

<PET-number>--example feature
Your feature branch on which development happens

Checklist for **Code Review by Product Owner** before approve and merge

Check **Developer DoD for Story/ Feature/Bugfix** before pull request

---

jfrog artifactory   Azure Key Vault

Jira Features/Problem.Json

Jira

Developer

Azure Repositories

1

Azure Pipeline (PR)
→PR Request
→ Restore
→PR Build
- Unit Test

2

Azure pipeline (CI)
-Get Secrets
--Build
→ Unit Test
--Intergration Test
--Publish Build Arltfacts
-Publish Container Images

3

Azure piepline (CD)
→ Deploy to Staging
→ Acceptance Tests
› Release

4

5

Azure cloud managed my Bosch Dev-Cloud

RA Azure Kubernetes Service Cluster(AKS)

RA AKS Front-End

AKS Ingress

Kubernetes
Ingress

RA AKS Back-End Service

Pod

Pod

Pod

Pod Auto-Scaling

Azure app service.

9

Azure Monitor   Log Analytics

Operator

6

6

Azure Devops service

7

Extrating Data Using Rset API

oneQ

Python

VALIDATION

Store

YML   JSON

{ YAML/JSON }

8

Docs as Code
Sphinx

SPHINX

Report

Docupedia

PDF

HTML

Automatic Release Check
Core Repo

Pysofa
Azure Pipeline

Build Docker Image / PiP Package

python   PiP Installation

PiP Package   Project Artifactory

Docker Image   JFrog

Project Artifactory

Reports & Notifications

oneQ

Automatic DATA Extraction

CLI INPUT

Install PIP

Pull PIP Package   JFrog   Pull Docker Image

Install Docker

CLI INPUT

Automatic DATA Extraction

oneQ

Reports & Notifications

Customer Pipline for PiP Package

Customer Pipline for Docker Image

splunk>   T&R   SharePoint

SharePoint   T&R   splunk>