

Classic Build Pipeline



- Classic, user interface, Azure Pipelines
- Continuous Integration, aka Build
- **New** solutions must production pipelines
- **In-flight** solutions should convert to production pipelines

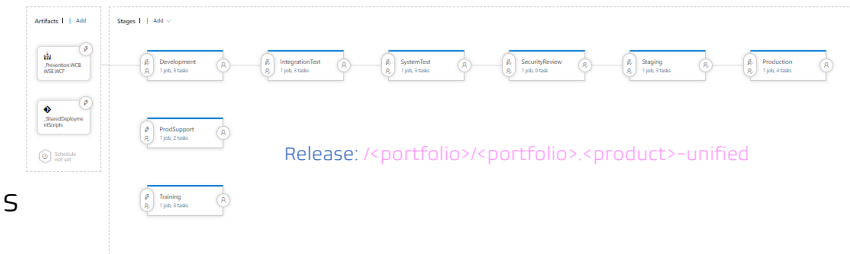
Pipelines: `/<portfolio>/<portfolio>.<product>`

Convert pipelines

Classic Release Pipeline



- Classic, user interface, Azure Pipelines
- Continuous Deployment (CD), aka Release
- Aligned with the Unified Pipeline Guardrails



YAML out-of-the-box pipeline

- Based on the YAML-based Azure Pipelines.
- Use for continuous integration (CI) build pipelines only.
- For CD, use the WSBC 2nd Gen App-type Blueprint-based CI/CD pipeline

Generic Blueprint-based CI pipeline



- YAML-based Azure Pipelines
- Continuous Integration (CI)
- Generic blueprints
 - `azure-pipeline-multiple-jobs.yml`
 - `azure-pipeline-single-job.yml`

AzureDevOps.Automation.Pipeline.Templates
Common Engineering System (CeS) Repository

Application Repository
`/pipelines/azure-pipeline-<apptype>.yml` or
`/pipelines/azure-pipeline-<portfolio>-<product>.yml`

Use generic of app-type blueprint
Is not yet available.

1st Gen App-type Blueprint-based CI pipeline



- YAML-based Azure Pipelines.
- Continuous Integration (CI)
- Core templates
 - `azure-pipeline-<apptype>-ci.yml`
 - `azure-pipeline-<apptype>-start.yml`

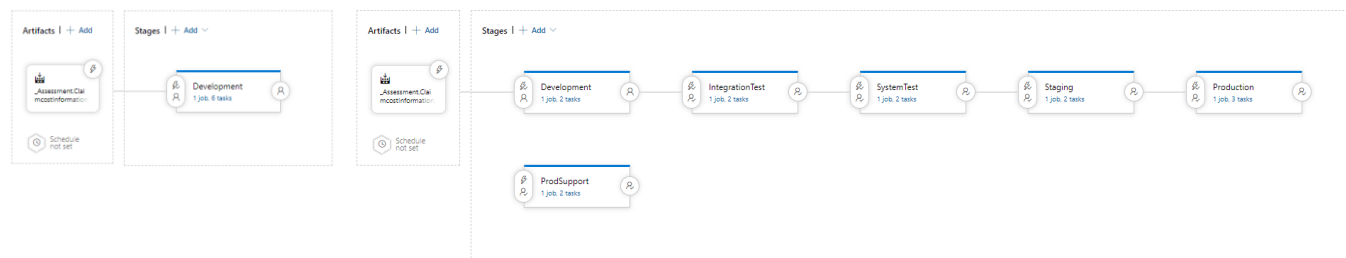
AzureDevOps.Automation.Pipeline.Templates
Common Engineering System (CeS) Repository

Application Repository
`/pipelines/azure-pipeline-<apptype>-start.yml` or
`/pipelines/azure-pipeline-<portfolio>-<product>-start.yml`

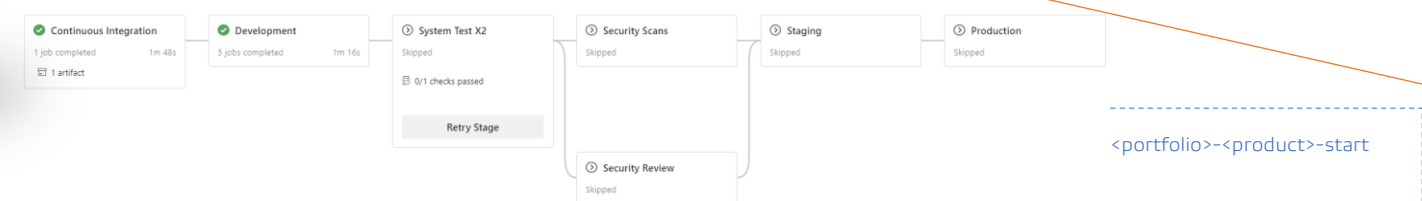
*-DV, *-RC Pipelines



- Classic, user interface, Azure Pipelines
- Continuous Integration (CI) or Continuous Deployment (CD)
- DV = Development
- RC = Release Candidate (Release)
- Migrate to Unified Pipeline guardrail and rename to *-RC-Unified, or *-Unified.



Deprecated technologies are not supported and must be migrated to production or emerging technologies by sustainment, maintenance, and operations to reduce the enterprise risk.



2nd Gen App-type Blueprint-based CI/CD pipeline



- YAML-based Azure Pipelines
- Continuous Integration (CI) and Continuous Deployment (CD)
- Application-type Blueprints
- Core templates
 - `azure-pipeline-<apptype>-ci.yml`
 - `azure-pipeline-<apptype>-cd.yml`
 - `azure-pipeline-<apptype>-config.yml`
 - `azure-pipeline-<apptype>-start.yml`

AzureDevOps.Automation.Pipeline.Templates
Common Engineering System (CeS) Repository

AzureDevOps.Automation.Pipeline.Templates CeS Repo
`/Operations/Config/<portfolio>-<product>-config.yml`
Application Repository
`/pipelines/azure-pipeline-<apptype>-start.yml` or
`/pipelines/azure-pipeline-<portfolio>-<product>-start.yml`

Emerging technologies have limited early preview support. Validate the limitations, prerequisites, and guidelines by DevSecOps and Common Engineering System before using in a production environment.



WORKING TO MAKE A DIFFERENCE

Application Pipeline Terminology

2021.06.11 v1
WS - See <https://aka.ms/yaml> for Azure DevOps Pipeline documentation

★ Recommended

Automation

WSBC Blueprints

WSBC Bootstrap

Sunseting, do not use!

Deprecated, do not use!

Naming Guidelines