

Classic Build Pipeline

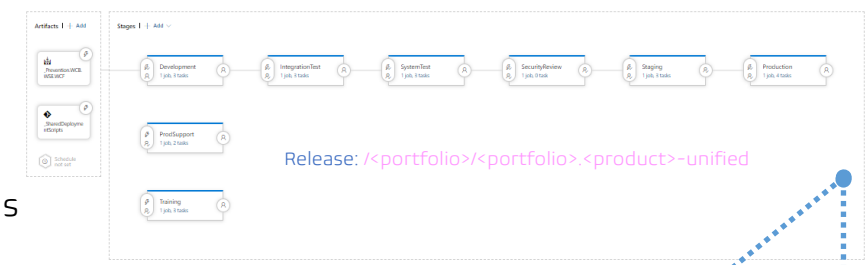
- Classic, user interface, Azure Pipelines
- Continuous Integration, aka Build
- **New** solutions must production pipelines
- **In-flight** solutions should convert to production pipelines

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 CICD pipeline

Blueprint-based CI pipelines can be used with the Unified Release 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

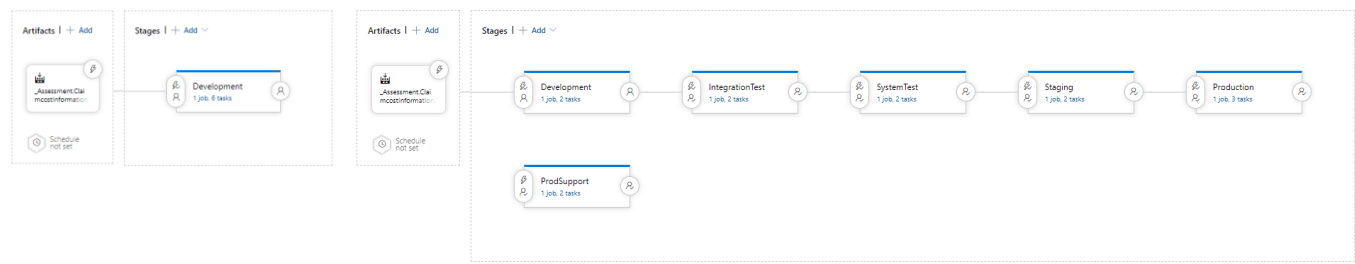
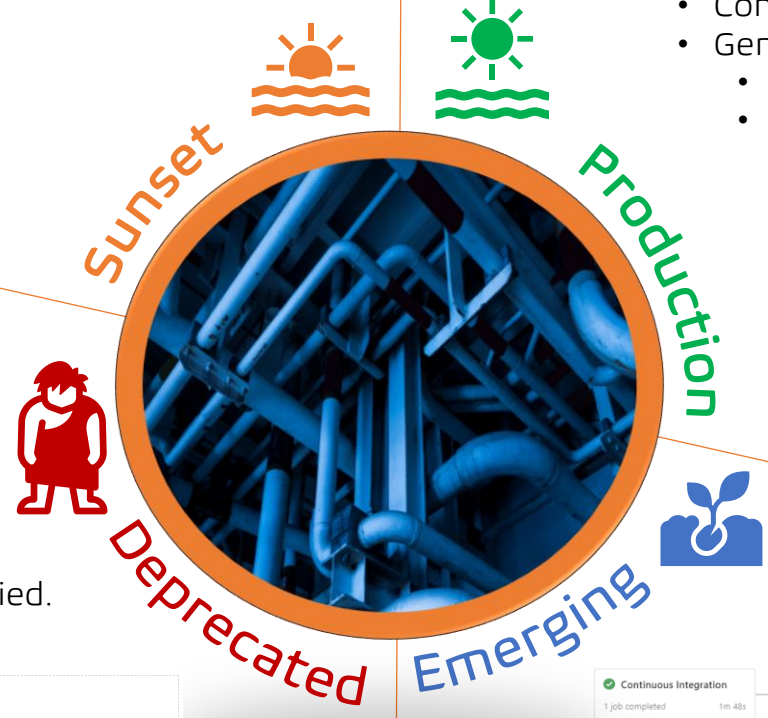
- ★
- YAML-based Azure Pipelines.
- Continuous Integration (CI)
- Core templates
 - azure-pipeline-<apptype>-ci.yml
 - azure-pipeline-<apptype>-start.yml

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

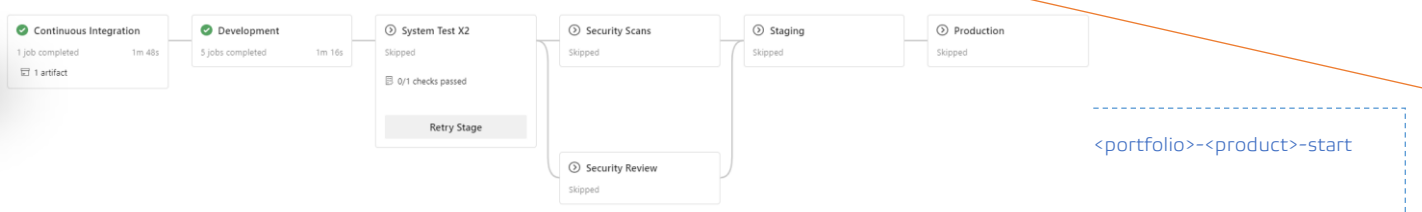
Application Repository
/pipelines/azure-pipeline-<apptype>-start.yml or
/pipelines/azure-pipeline-<portfolio>-<product>-start.yml

*-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

- ★ Recommended
- Automation
- WSBC Blueprints
- WSBC Bootstrap
- Sunsetting, do not use!
- Deprecated, do not use!

Application Pipeline Terminology