

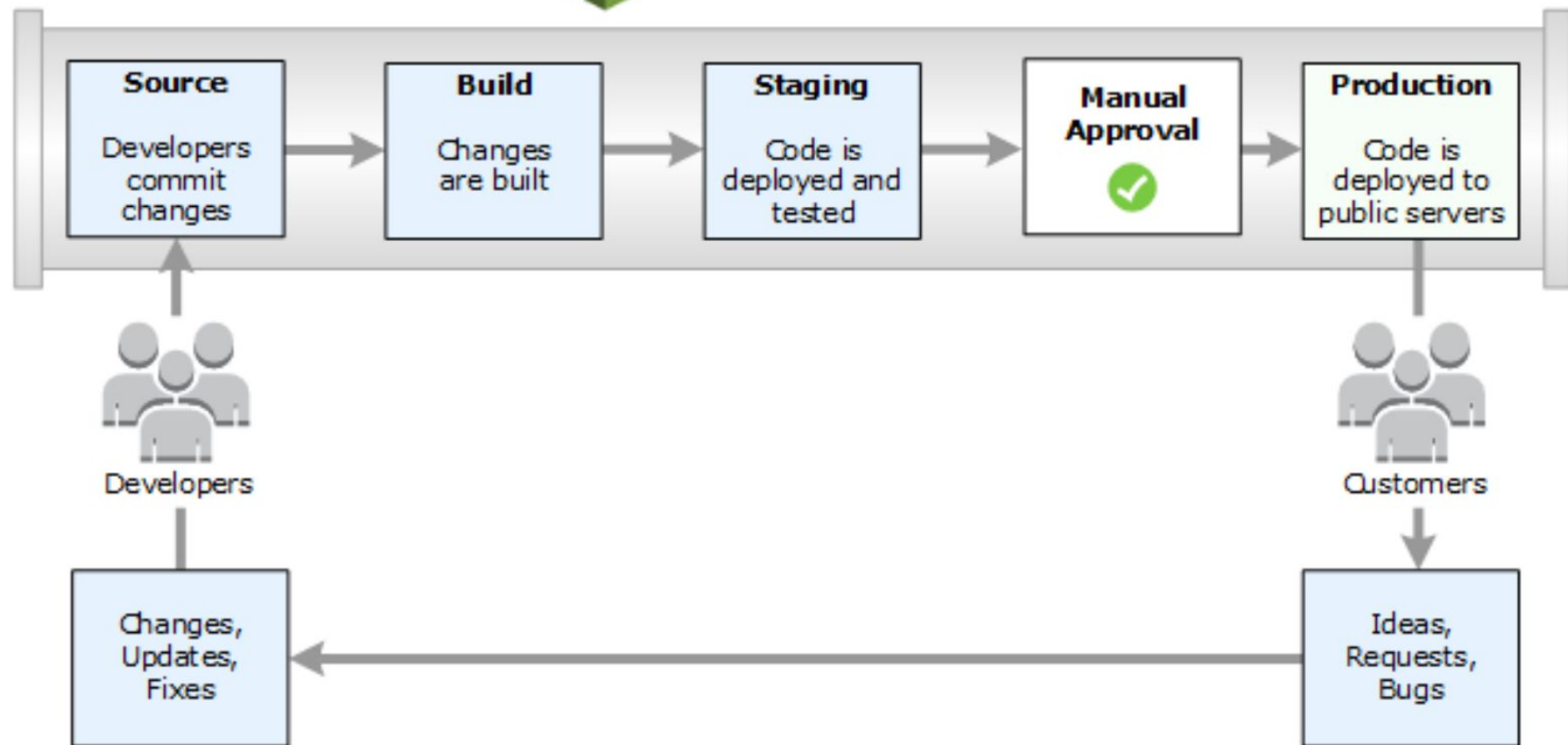


# Code pipeline

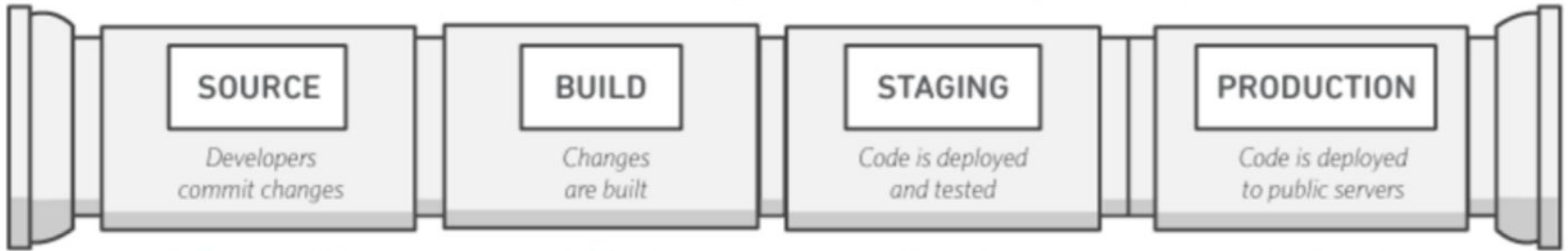
Automated continuous delivery pipeline for fast and reliable updates



## AWS CodePipeline

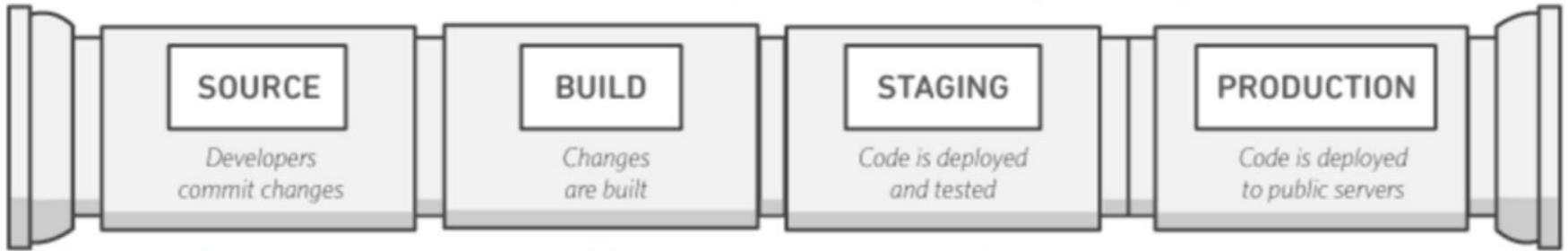


# Pipeline



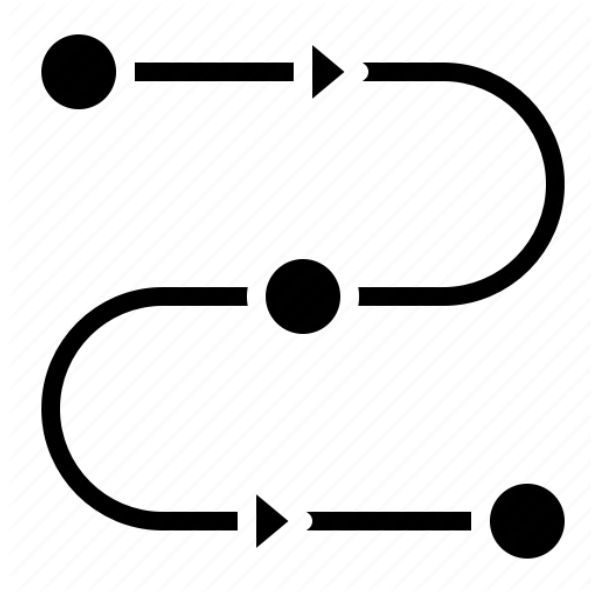
A pipeline is a series of steps that allow a release process

# Pipeline



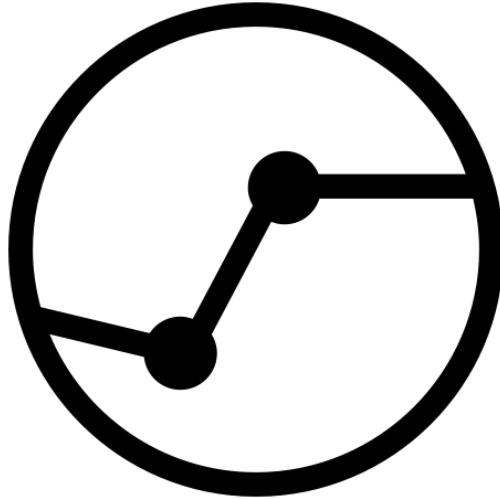
This steps are logically represented in stages

# Stages



A stage is a group of logically related actions. They act upon artifacts

# Artifacts

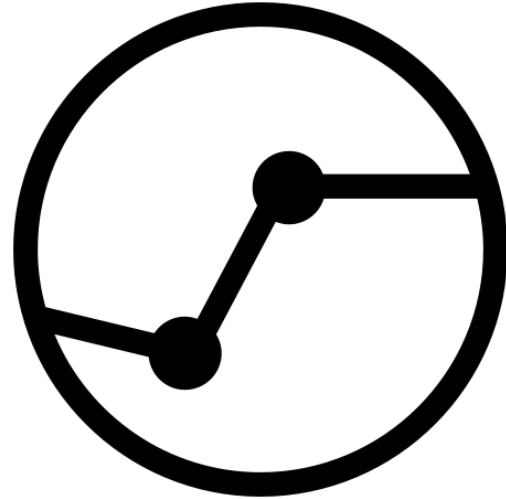


Artifacts are collections of data that can be used by Stages.

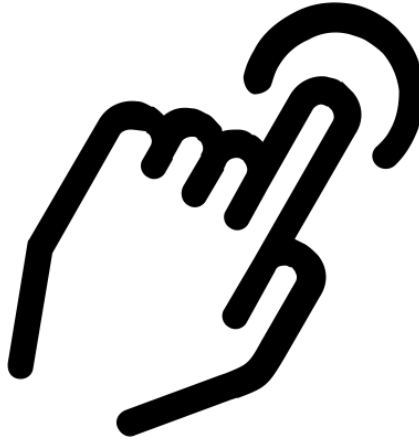
# Artifacts

Examples of Artifacts:

1. Source Code
2. Templates
3. Dependencies
4. Built applications
5. etc...



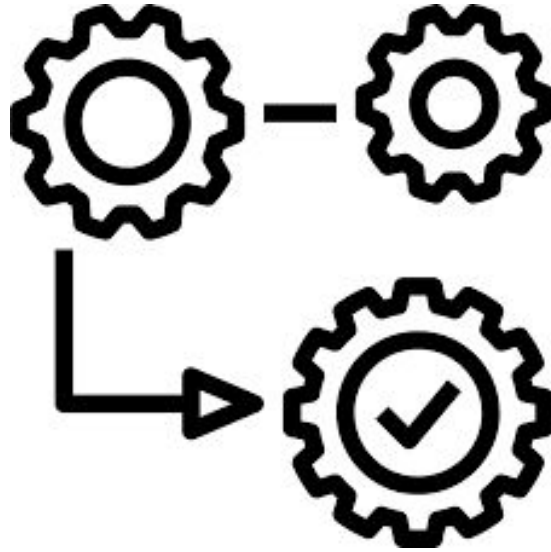
# Actions



A set of operations that are part of a Stage.  
Actions use and produce artifacts

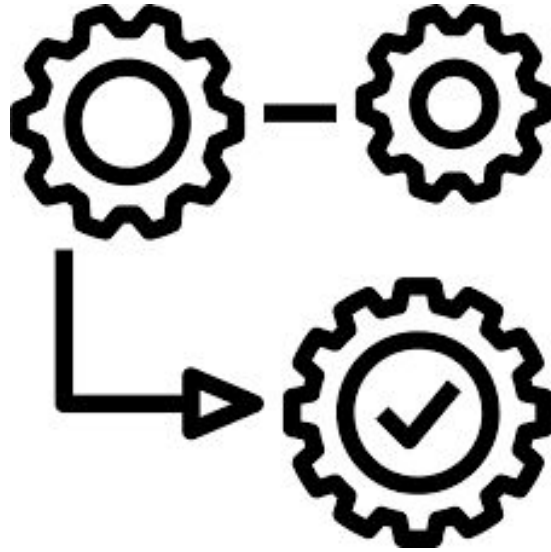


# Pipeline Executions



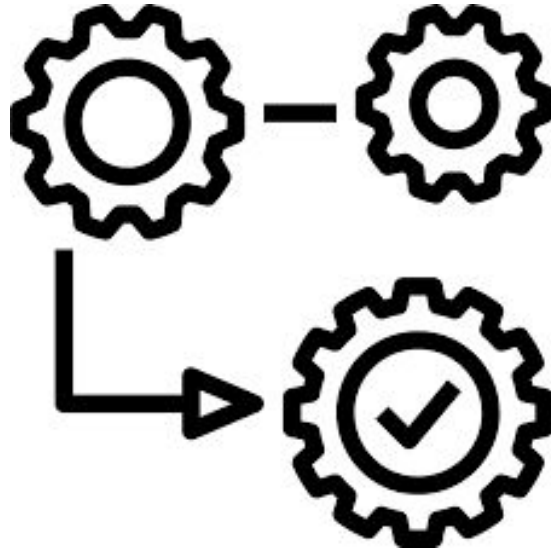
- A set of changes released by a pipeline
- Each pipeline execution is unique and has its own ID.

# Pipeline Executions



- A stage only processes one execution at a time
- Stages get locked when they are executing an execution

# Pipeline Executions

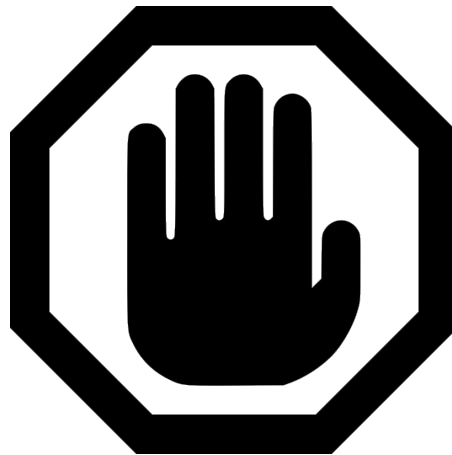


- Pipelines can process multiple executions at a time
- Pipeline execution traverse pipelines in order.

# Stopping Pipeline Executions

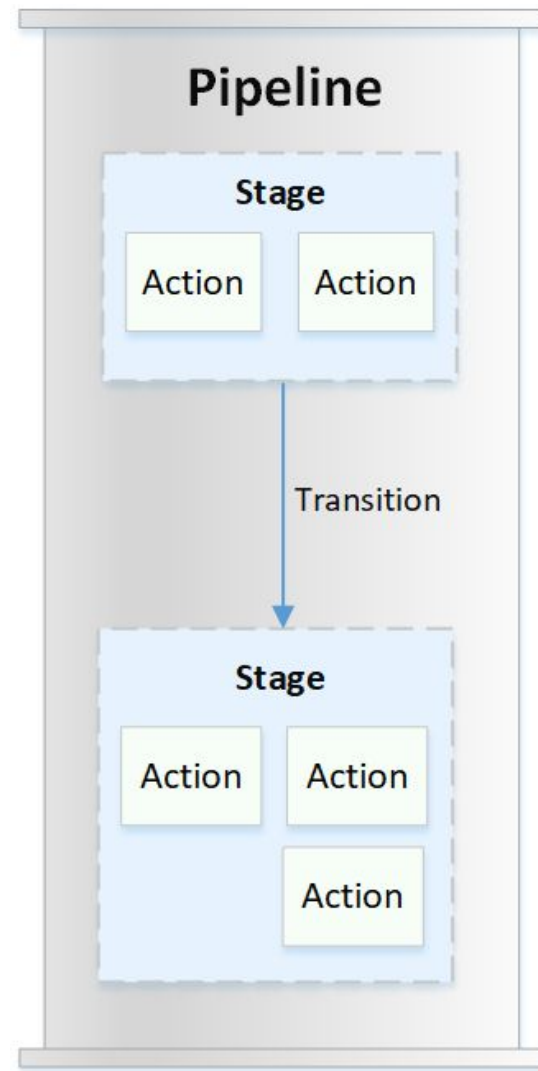
Two types

- Stop and wait
- Stop and abandon

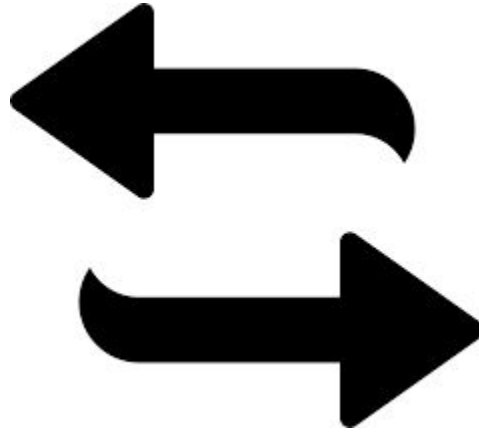


# Transitions

The point where a pipeline execution moves to the next stage in the pipeline



# Superseded Executions



Executions can be replaced only in transitions. This replaced executions are called superseded executions