

# CI/CD with GitHub Actions in Azure

## Platinum Sponsors

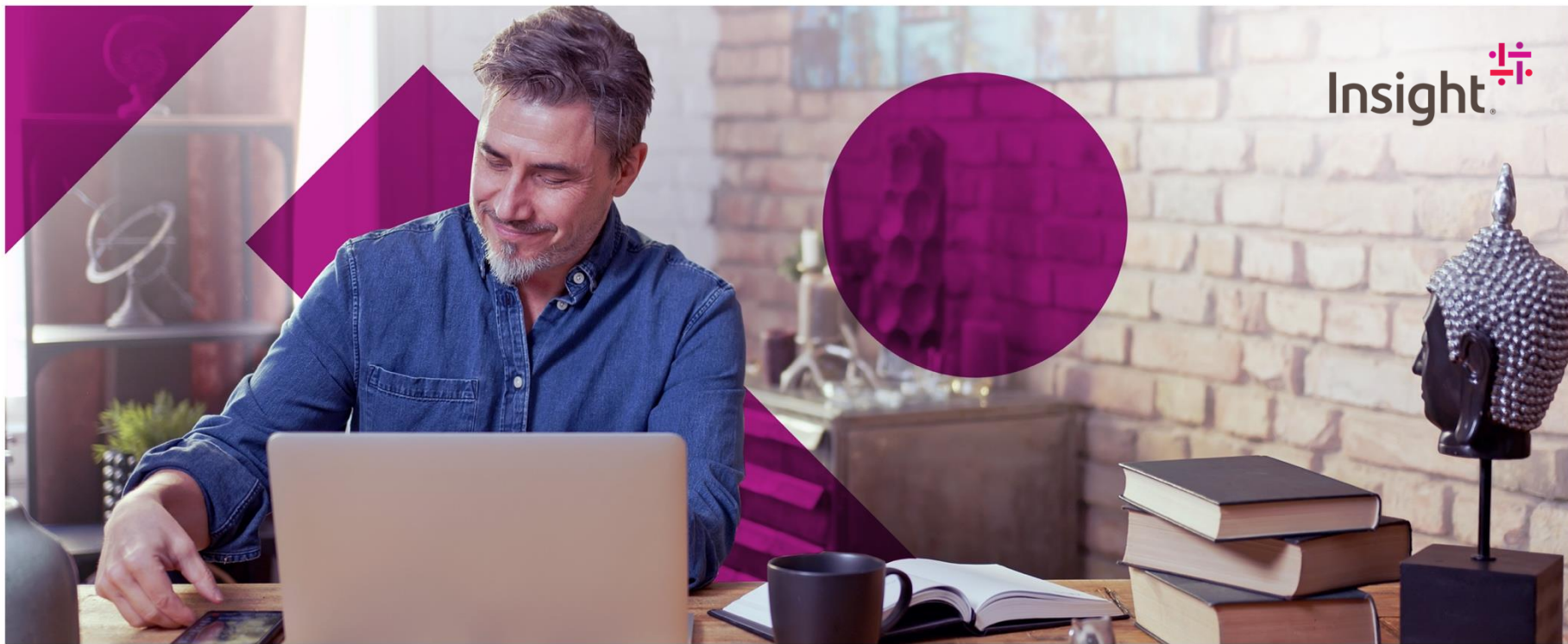


## Gold Sponsors



## Silver Sponsors





Why should I care? Isn't Jenkins already solving this problem?

# GitHub Actions vs Jenkins

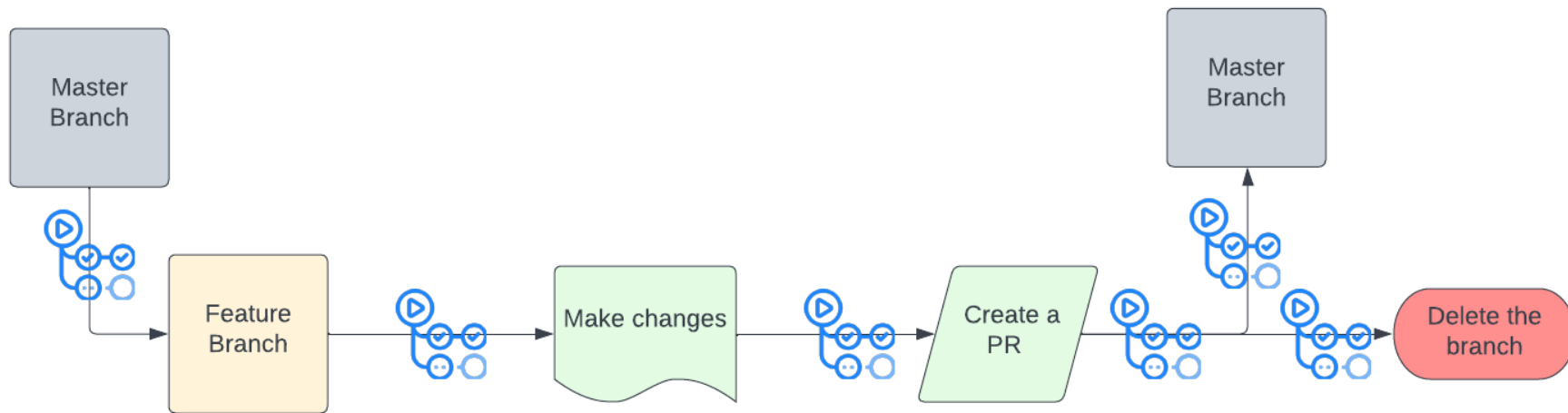


- Problems with Jenkins
  - Cumbersome to setup and maintain
  - Separate UI, away from codebase
  - Does not follow “X as Code” model
- Benefits of GitHub Actions
  - Integral part of your repo
  - Workflow files are versioned as your code
  - Goes beyond just building the code

# Typical Workflow



# Typical Workflow



# And much more!

on: pull\_request\_comment

on: release

on: issue\_commit

on: deployment

on: issue\_create

on: milestone

on: create

on: status

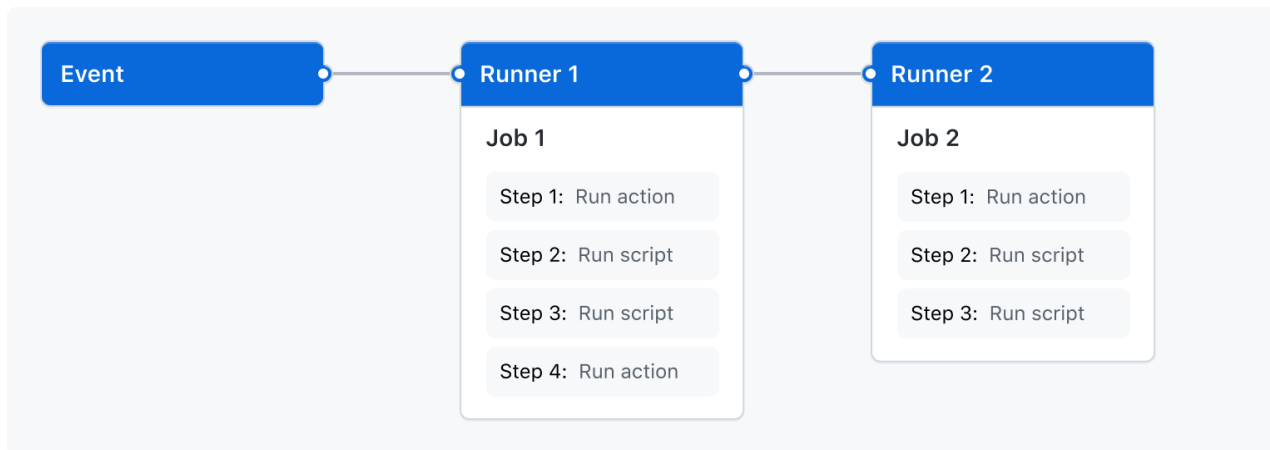
on: schedule

on: pull\_request\_review\_comment

on: push

on: workflow\_call

# Overview



## Workflow

A YAML file that has declaration for one or more jobs

## Event

Specific activity in the repo, like push, pull, issue opened

## Jobs

Set of *steps* that execute in the same runner

## Runner

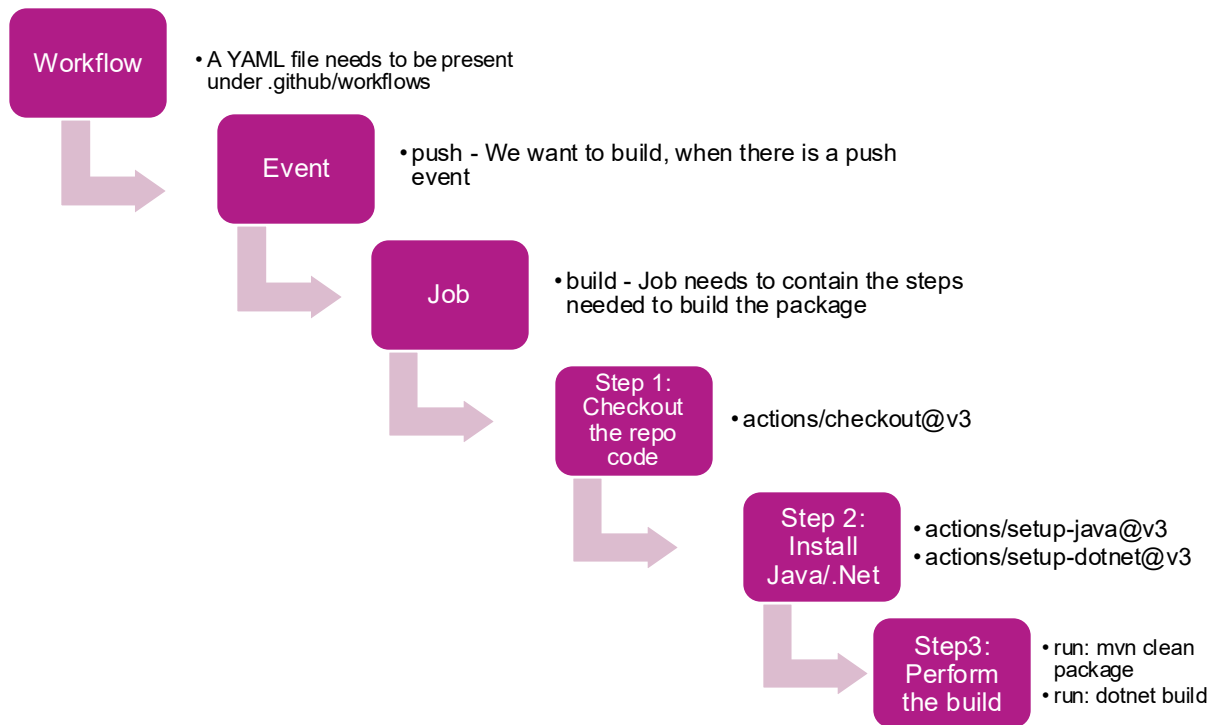
A server that runs your workflow when they are triggered

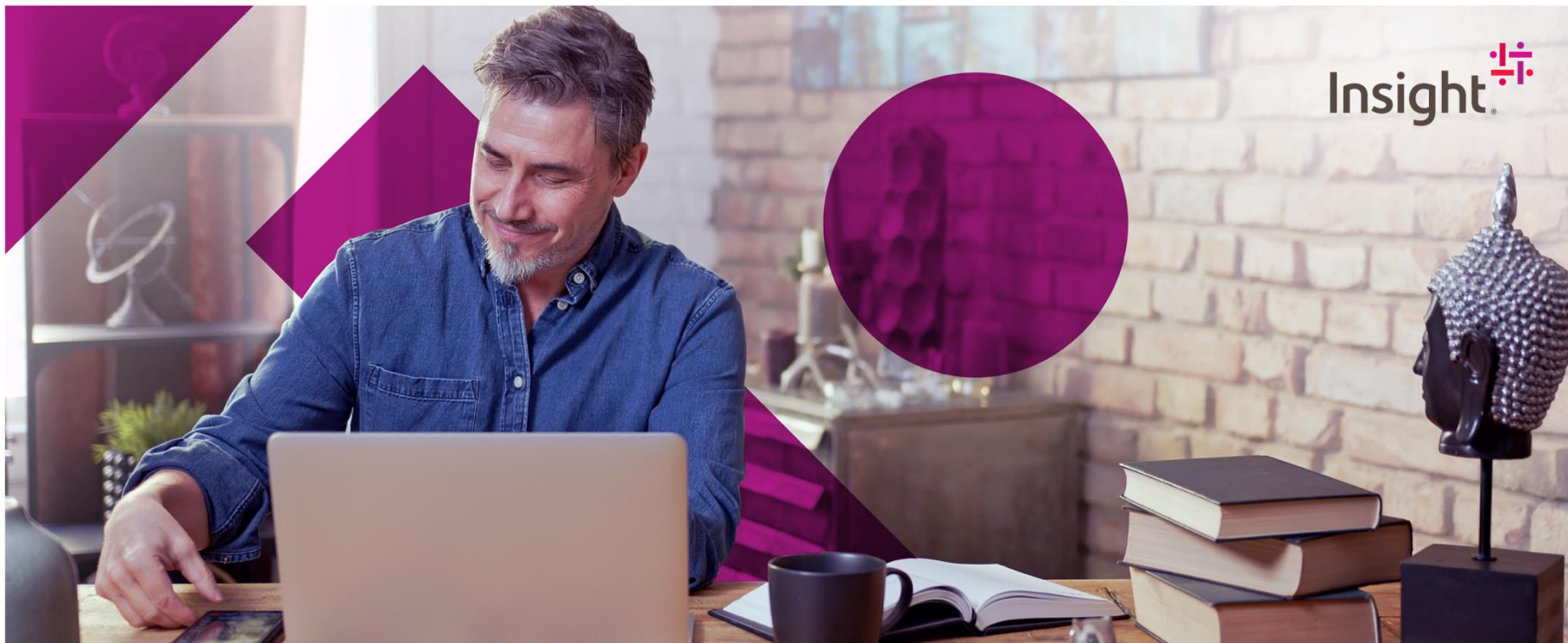
## Step

An individual item like an action or a script to run



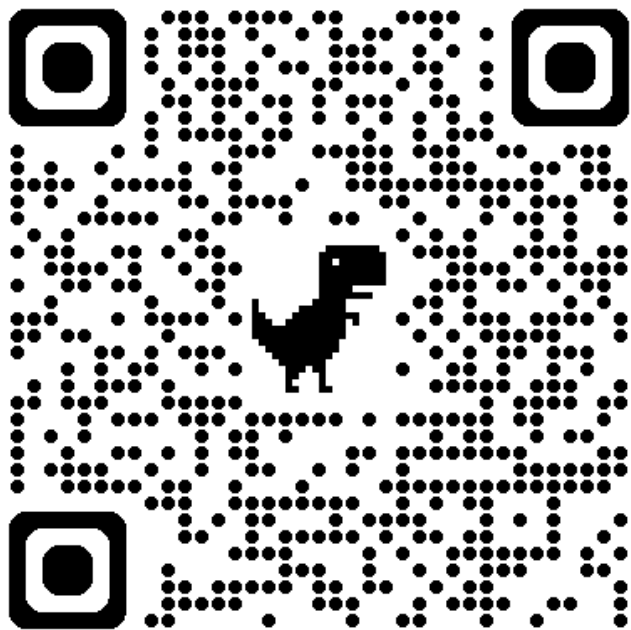
# Build artifact on Push





# Demo!

# Questions?



Source code and Slide deck

