

CD Pipeline Overview and Intro to Docker

Video 4.3

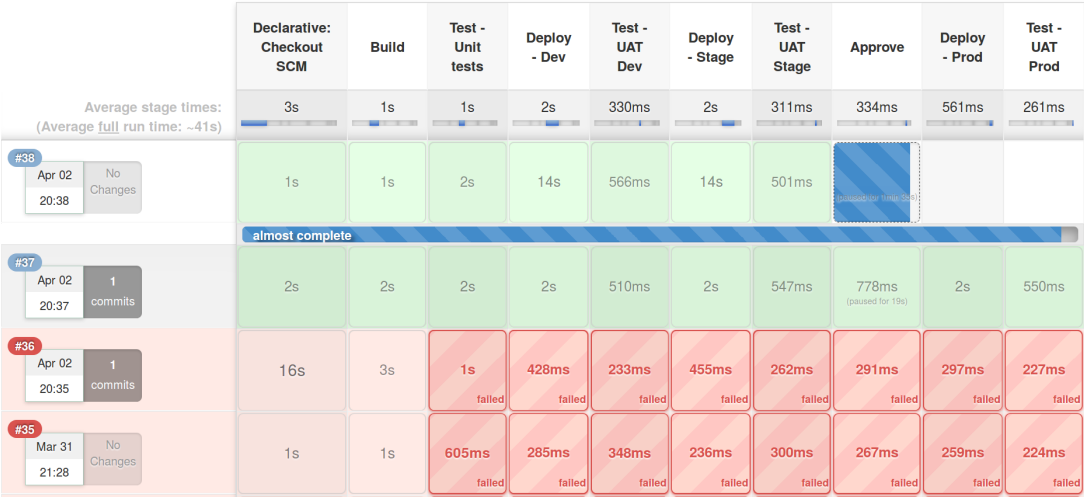
What you will learn in this video

Theory:

- CD Pipeline overview
- Web Application
- Docker

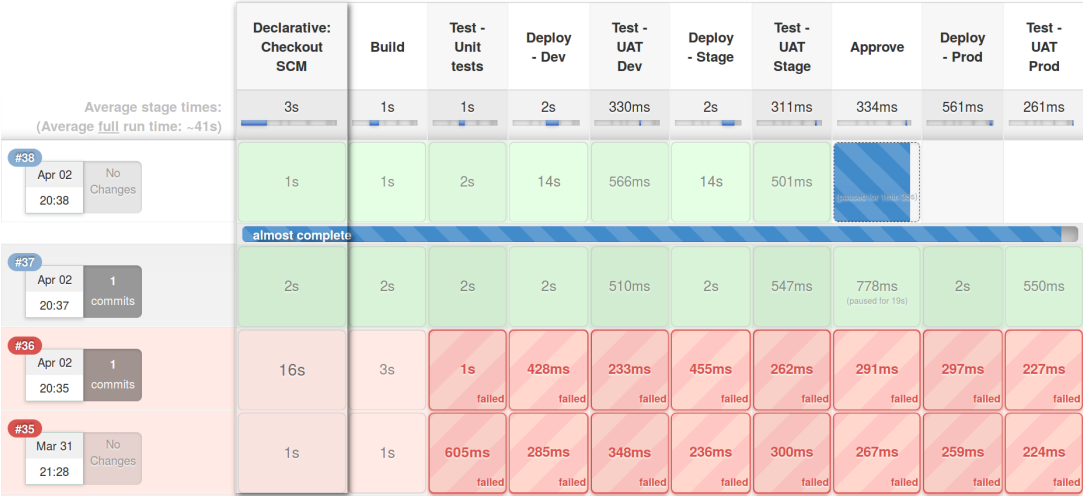
CD Pipeline Overview

CD Pipeline - Stage View



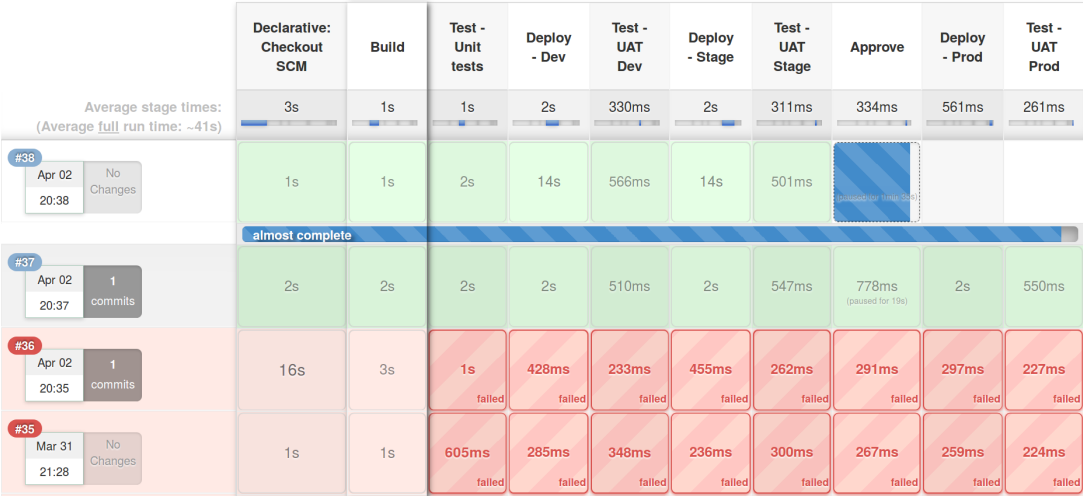
CD Pipeline Overview

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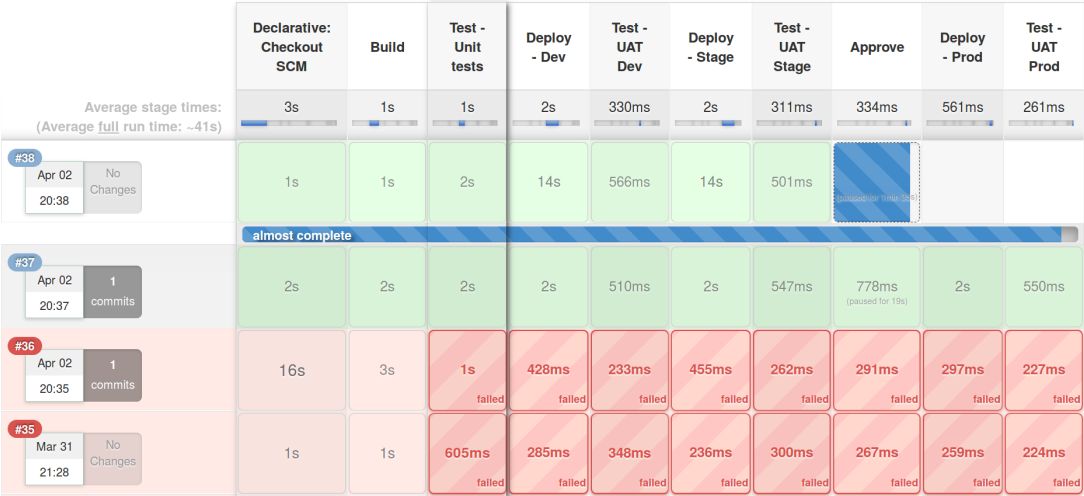
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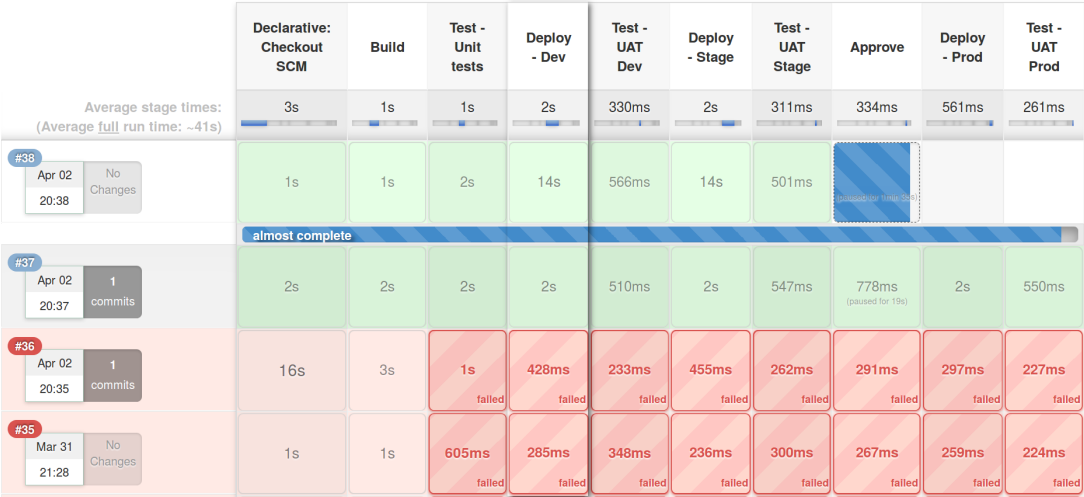
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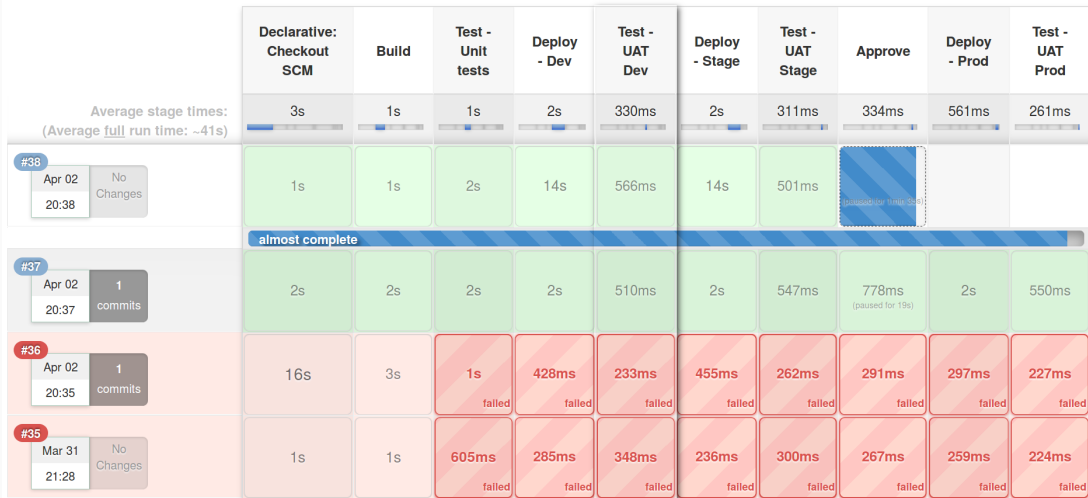
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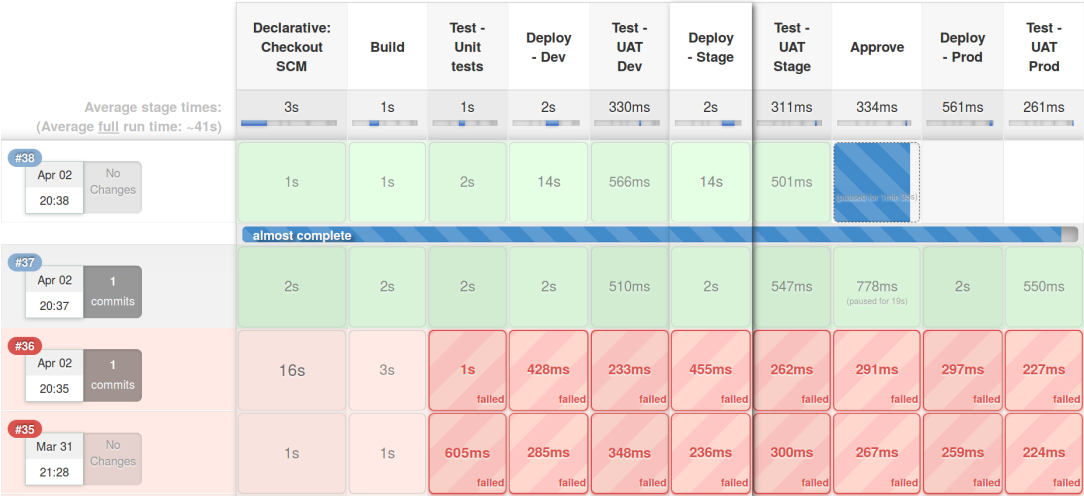
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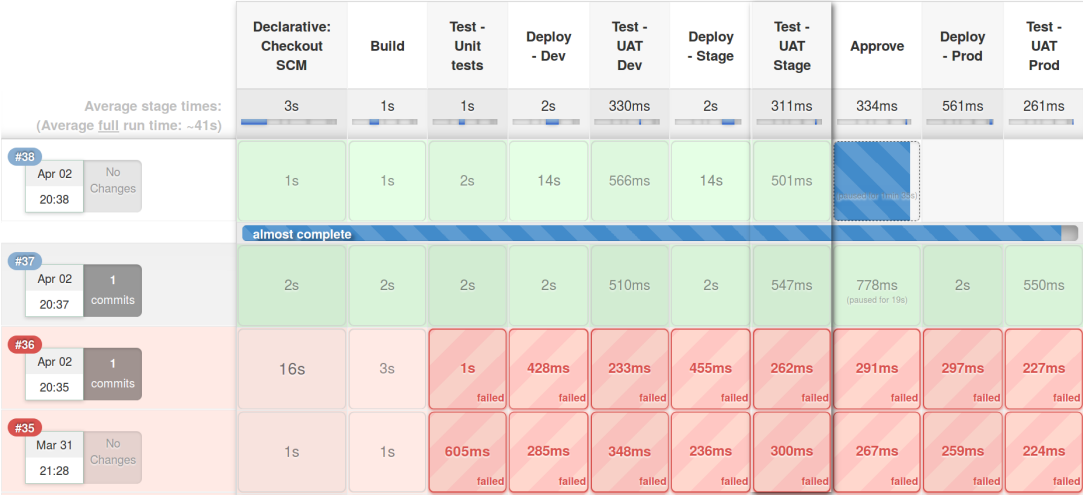
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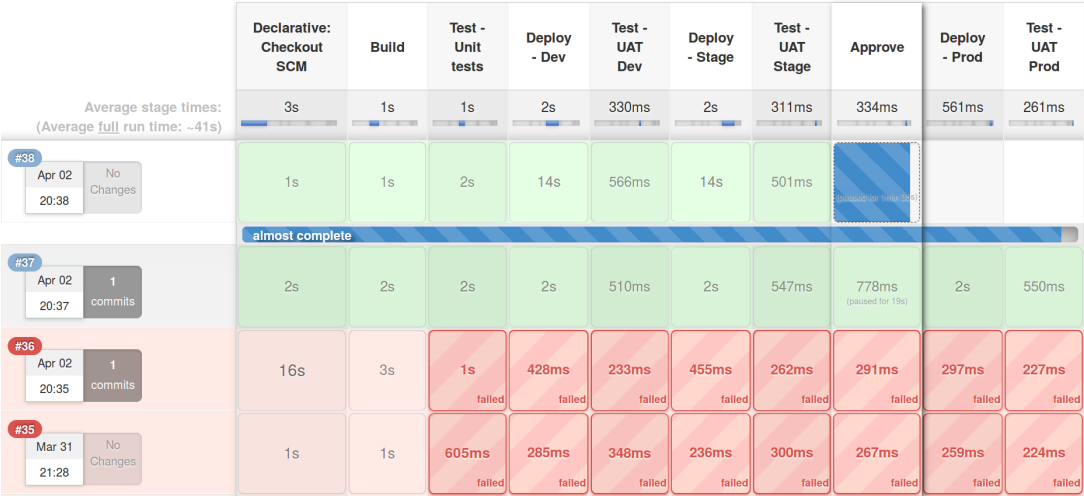
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CD Pipeline - Stage View



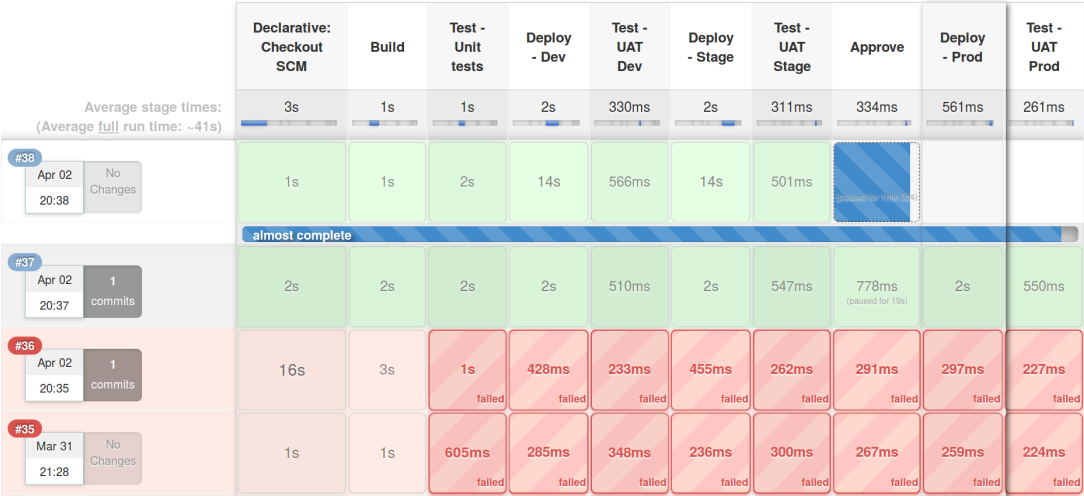
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CD Pipeline - Stage View



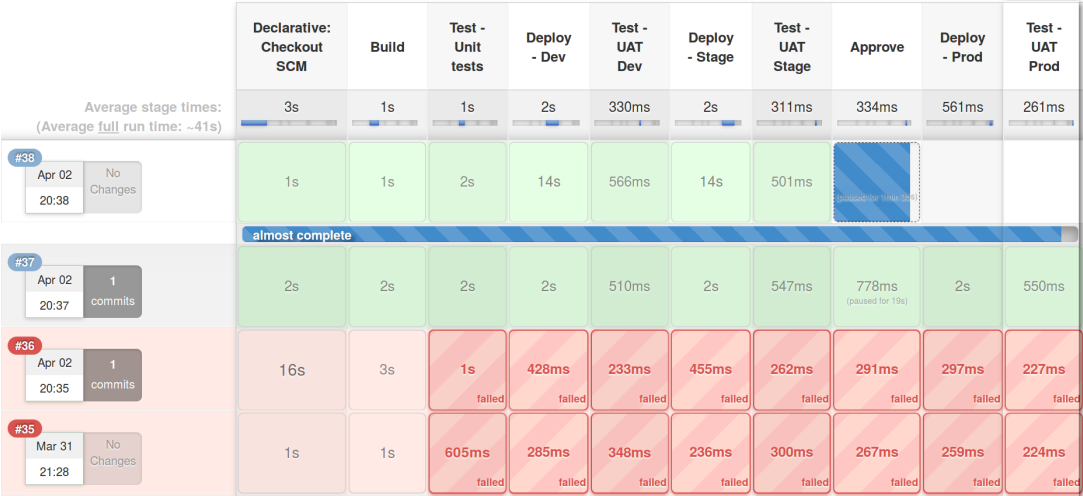
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CD Pipeline - Stage View



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What is Docker

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- Docker provides development and operational teams with a **shared, consistent environment** for development, testing, and release
- Docker avoids the classic '**but it worked on my machine**' issue
- Docker allows applications and their dependencies to be **moved portably across development, staging, and production environments**



Why using Docker for deployment?

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- **Replicate applications and their configurations** accross environments
- Avoid **dependencies conflicts**
- Facilitate **portability and automation**
- Docker **plays well with Jenkins**

Docker Images and Containers

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Object-oriented programming analogy:

Docker Images and Containers

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- Docker **images are like classes**
- Docker **images are blueprints**
- Docker **images are like recipes**

Docker Images and Containers

Object-oriented programming analogy:

- Docker **images** are like **classes**
- Docker **images** are **blueprints**
- Docker **images** are like **recipes**
- Docker **containers** are like **objects**
- Docker **containers** are **concrete instances of Docker images**
- Docker **containers** are like **dishes**

Next Video

Video 4.3 Docker commands

