



@alerr

# Building a Reproducible Model Workflow Cont.

Final Pipeline, Release and  
Deploy

# 01

## Decision Tree

Introduction, Mathematical Foundations

# 02

## Evaluation Metrics

Best practices, threshold and ranking metrics

An inference pipeline is an ML pipeline that contains everything that needs to run in production at inference time: a pre-processing step that transforms the data input to the data expected by the model, and then the model

# 03

## Implementing Pipelines

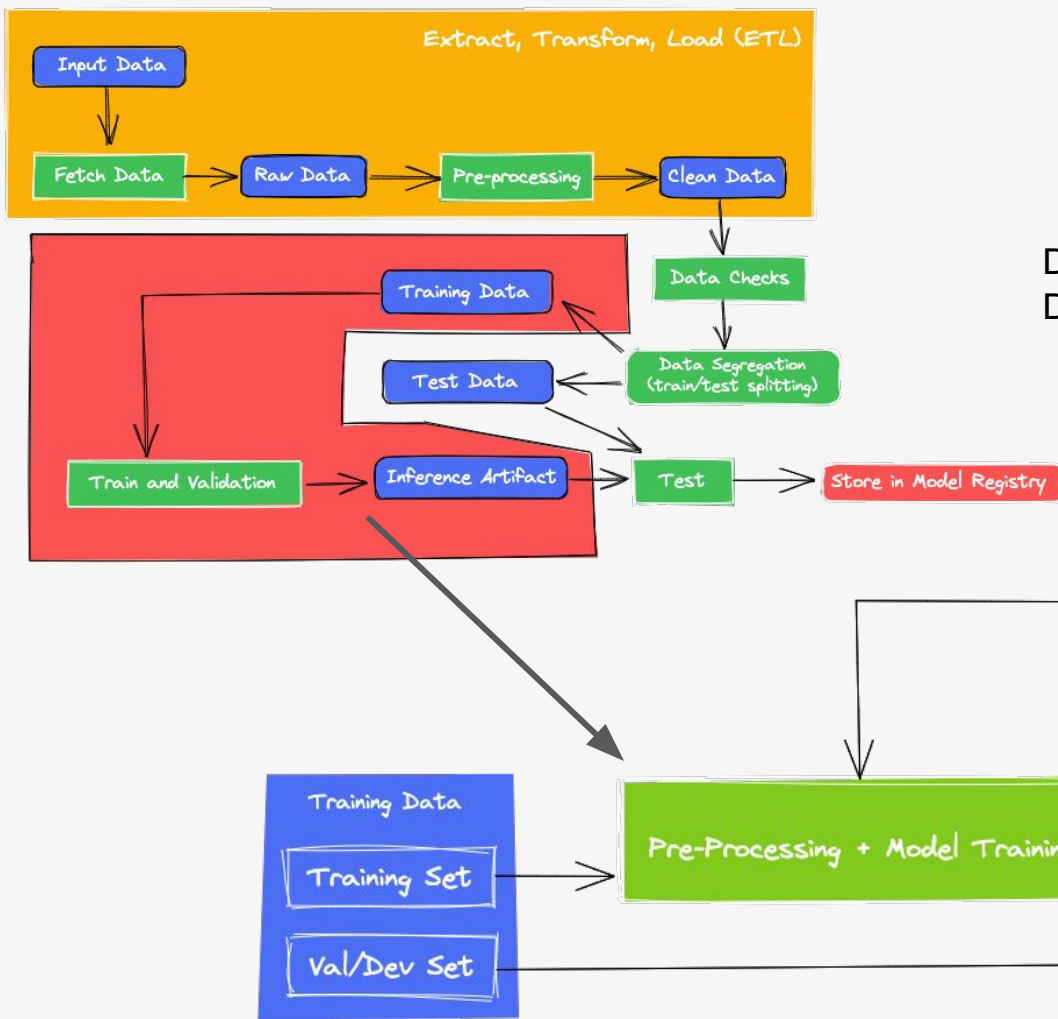
From MLOps 0 to 1

# 04

## Test Evaluation

# Final Pipeline

Download, Preprocessing, Data Check,  
Data Segregation, Model Training, Evaluate



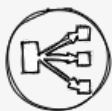
## ML Pipeline in MLFlow

A project that calls other projects (the components)



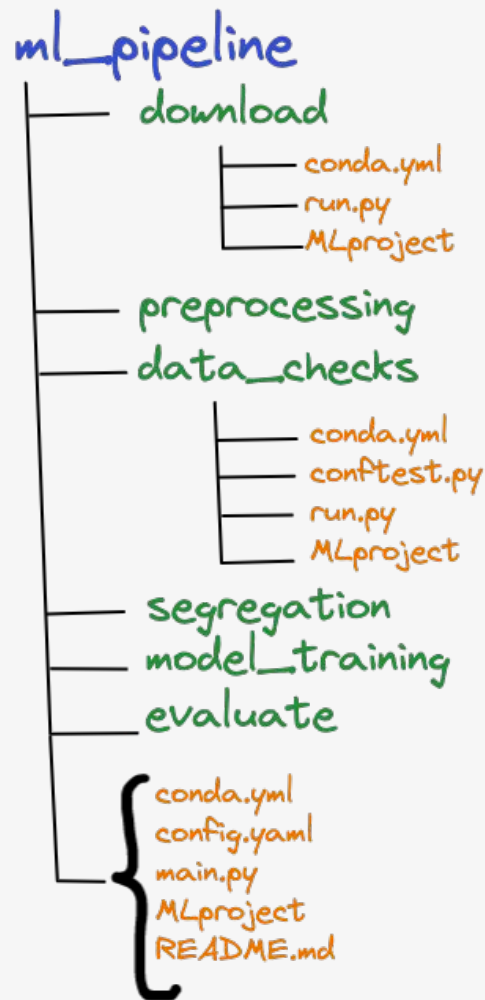
One repository

For simplicity



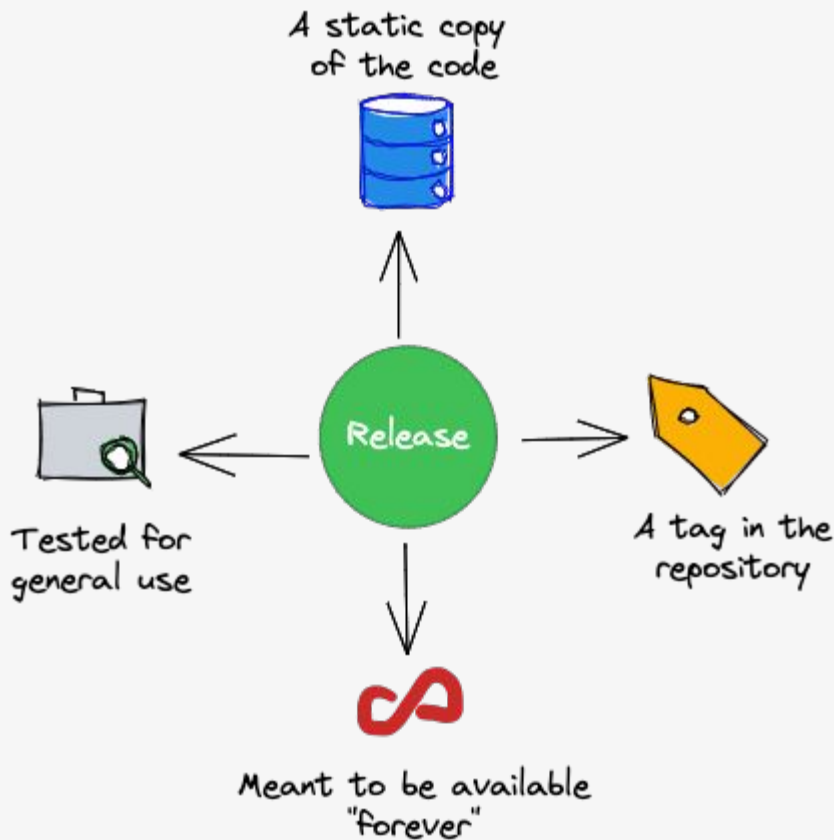
Another option

When your operations scale up, you will want one or more repos for the components and one or more repos for each project



# What is a release?

A release is a static copy of the code that reflects the state of the code at a particular point in time. It has a version attached to it, and a tag. The tag can be used to restore the repository (or a local copy of the code in the repository) to the state it was when the release was cut.



# Semantic Versioning

Minor

Changes are  
backward compatible

Major

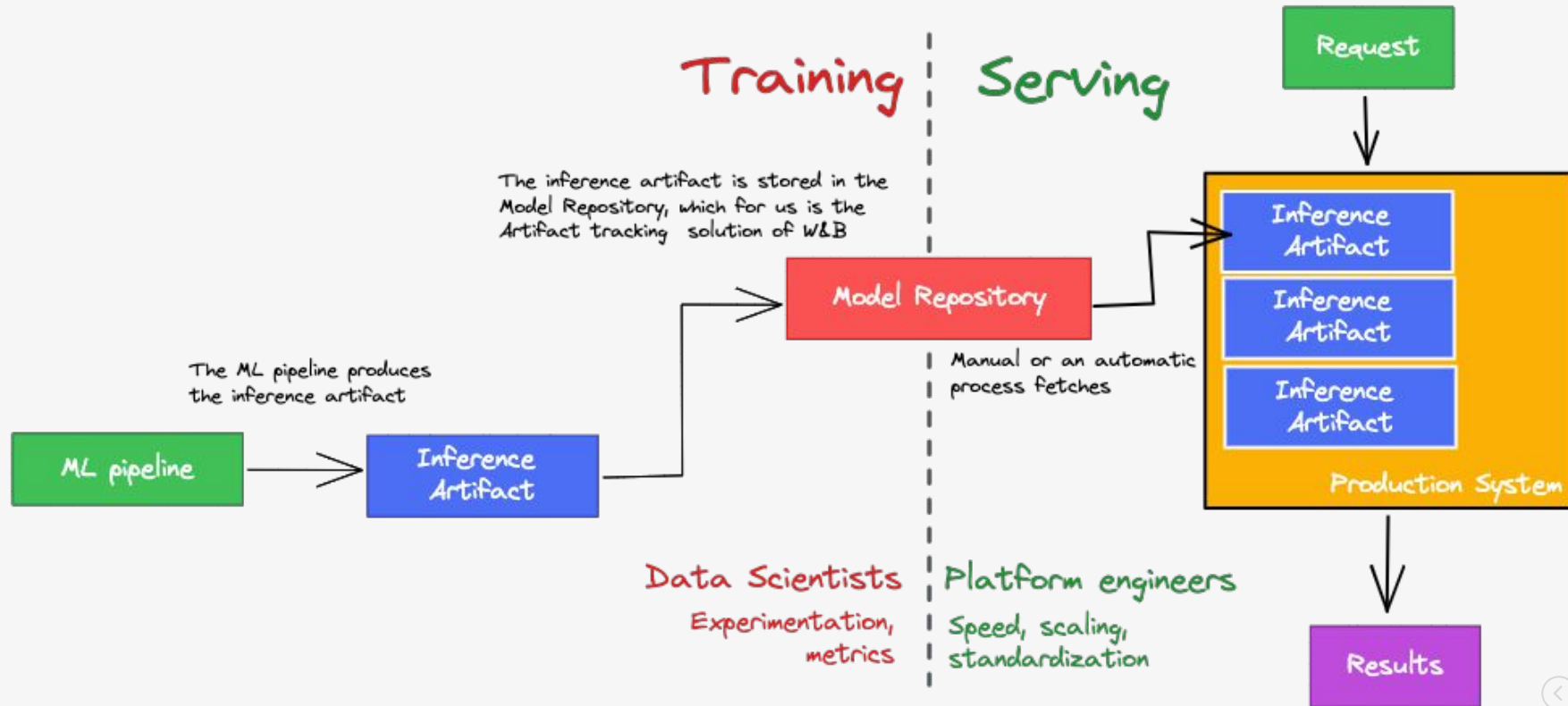
Changes are not  
backward compatible

1.4.13

Patch

Bug fixes or small  
changes, backward  
compatible

# Deployment



# Using a model in production: Online vs Offline Inference

