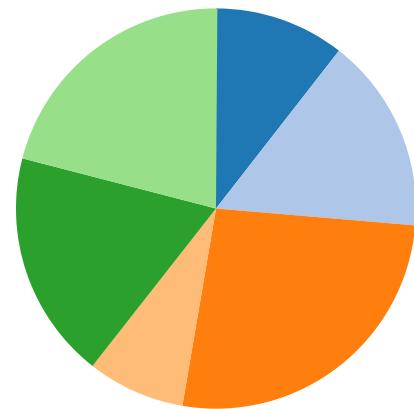


# **HOW NETFLIX BUILDS CODE**

Rahul Somasunderam

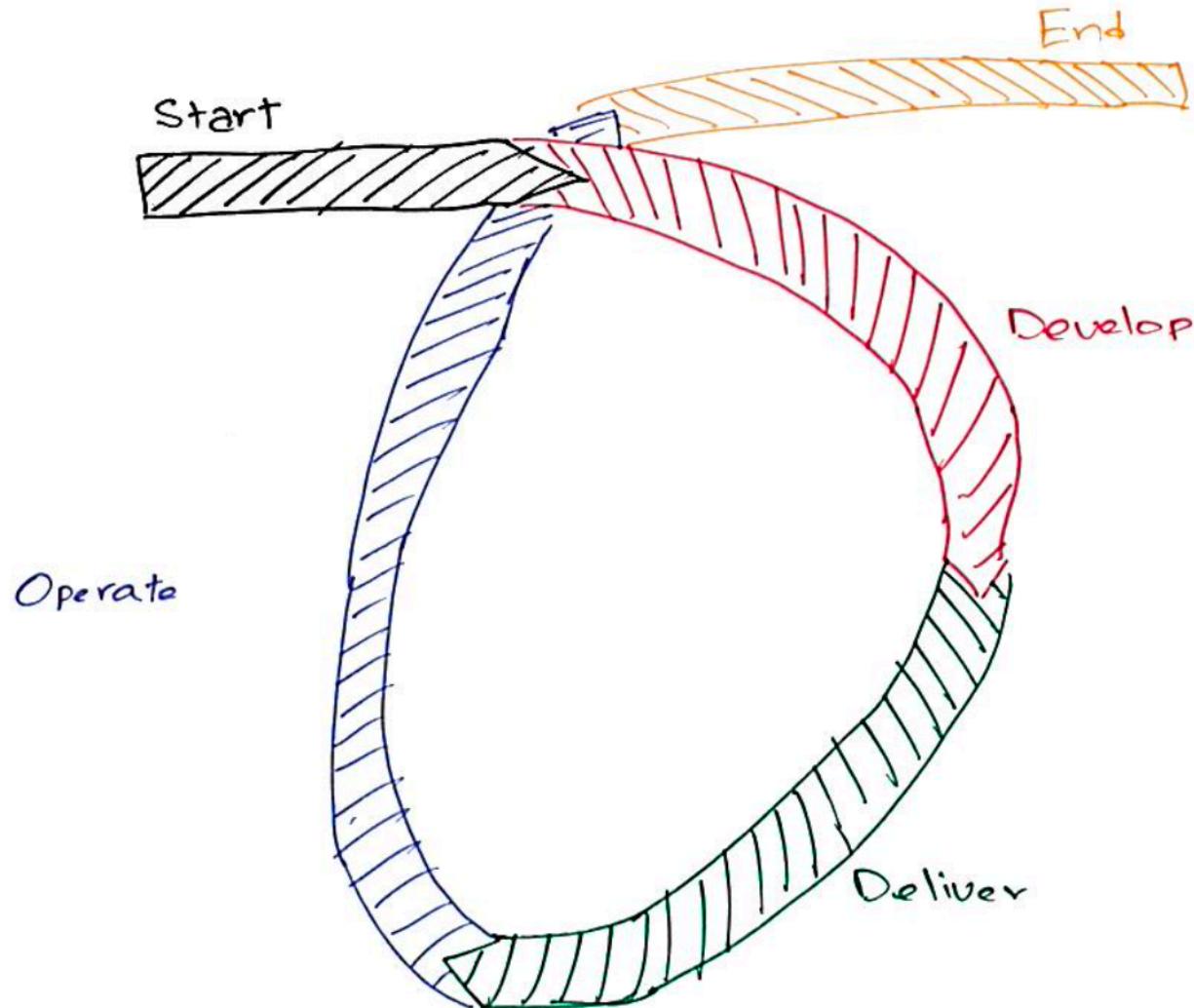
# **WHAT DOES A TEAM LOOK LIKE?**



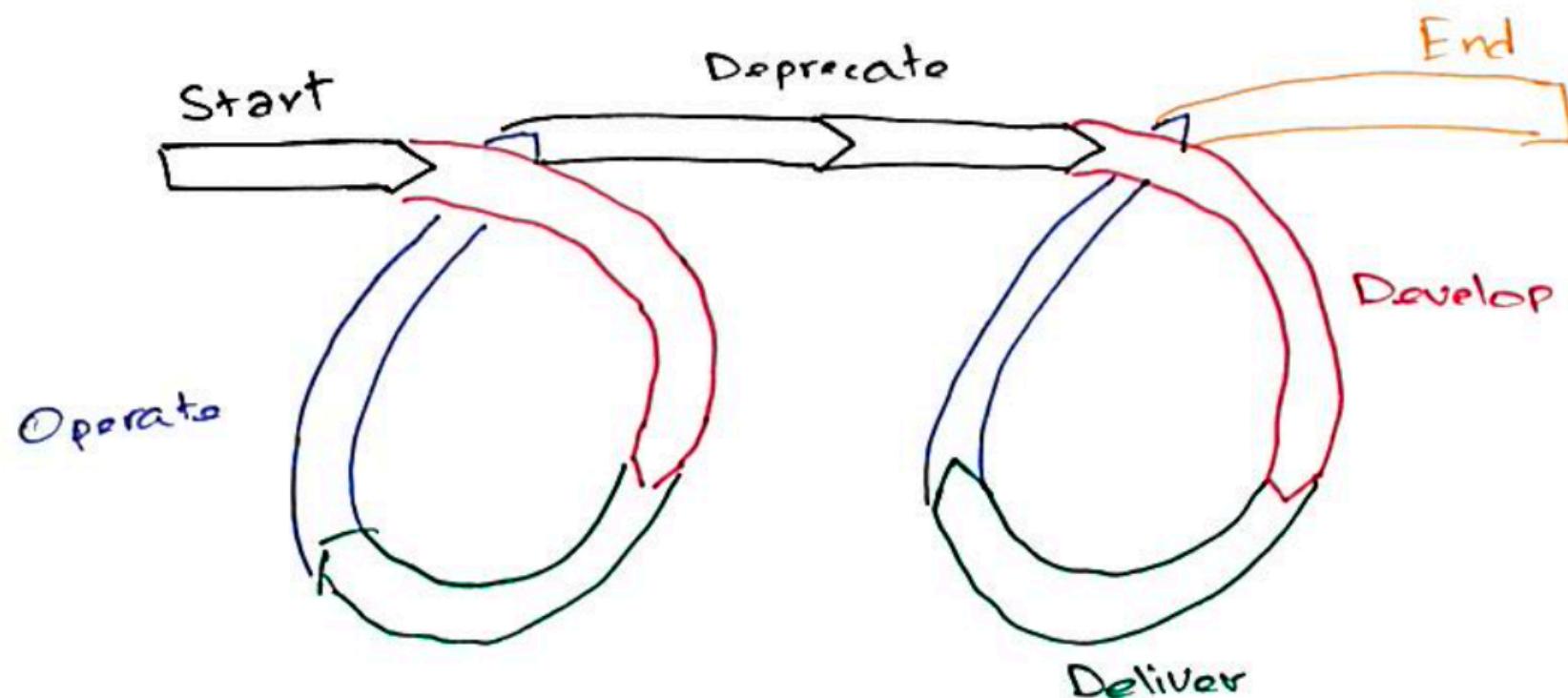
# HOW DOES A NETFLIX TEAM LOOK LIKE?



# WHAT IS THE FULL CYCLE?



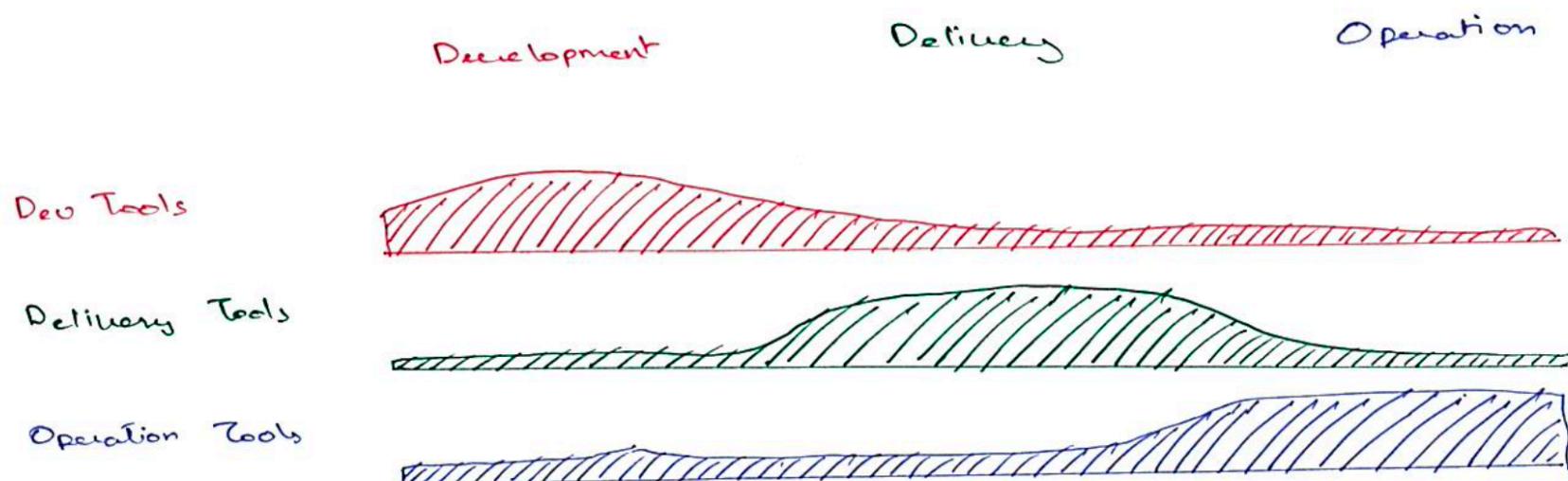
# WHAT IS SUPPORTED?



# WHAT KIND OF TEAMS SUPPORT THESE TOOLS?



# WHAT IT REALLY LOOKS LIKE



A photograph of a winding highway through a mountainous landscape. The road curves from the bottom left towards the center right. On the right side, there is a blue guardrail along the edge. The background consists of dark, hilly terrain under a clear blue sky with some white clouds.

**GUARDRAILS, NOT GATES**



# THE UNPAVED ROAD

Deane's  
Drop

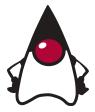
A dynamic photograph of a cycling race, likely a team time trial, featuring four cyclists in matching yellow and black MTN-Qhubeka jerseys. They are riding sleek racing bicycles on a smooth asphalt road. In the background, a white van with "MTN QHUBER" branding is parked, and a large truck with multiple bicycles mounted on its roof is visible. A blue banner with the word "IGUWIDALE" is draped across the scene. Spectators are seen behind a metal barrier on the right, and a building with a flag is in the distance.

# THE PAVED ROAD

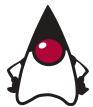
# WHAT WE SUPPORT

- 🙌 A few thousand users
- 🙌 A few hundred teams
- ~45k repositories
- ~45k job definitions
- ~600k builds per week

# WHAT ARE THE TOOLS LIKE



# WHAT ARE THE TOOLS LIKE



# WHAT ARE THE TOOLS LIKE



# WHAT ARE THE TOOLS LIKE



# WHAT ARE THE TOOLS LIKE



# THE JAVA PATH



npm

# THE JAVA PATH



# THE JAVA PATH



```
allprojects {  
    apply plugin: 'netflix.nebula'  
}
```

# THE NODE PATH



# VERSION CONTROL



# THE CI PHASE



# THE CI PHASE



# THE CI PHASE



# THE CI PHASE



# THE CI PHASE



# MORE CI TASKS



# THE CD PHASE



# THE CD PHASE



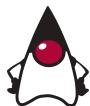
# OPERATING



# OPERATING



# TOO MANY TOOLS?



# NEWT



# **THANK YOU**

@rahulsom



# How Netflix Builds Code

Rahul Somasunderam, Build Meetup 2021