WHY DEVOPS

IN SOFTWARE DOMAIN, WE HAVE 2 TEAMS FOR DEVELOPING THE APPLICATION

DEVELOPMENT

PLAN
CODE
BUILD
TEST

OPERATION

DEPLOY
OPERATION
MONITORING

PLAN

CODE

BUILD:

TEST:

Pause (Ctrl+P)

BUILD:

TEST:

DEVELOPMENT

THE DEV TEAM WRITES THE CODE FOR THE ENTIRE APPLICATION AND TOSSES IT TO OPERATIONAL TEAM FOR PRODUCTION

OPERATIONAL

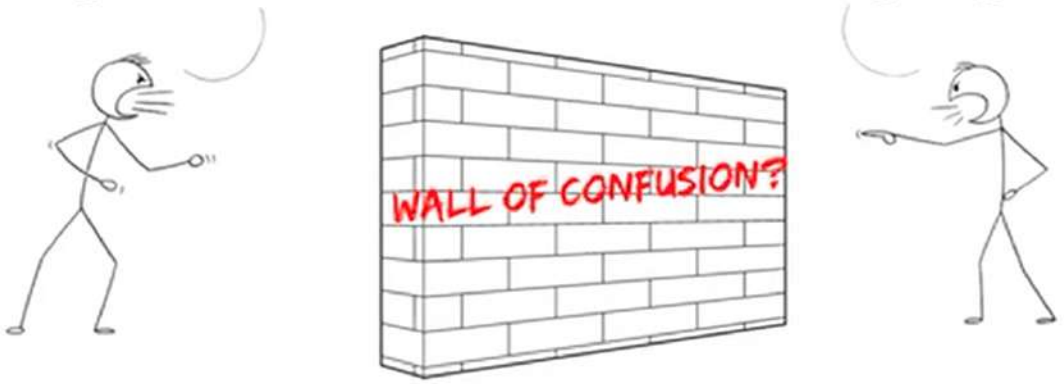
THE OPS TEAM DEPLOYS, MONITOR OPERATE & MAINTAIN THE APPLICATION

DEV TEAM

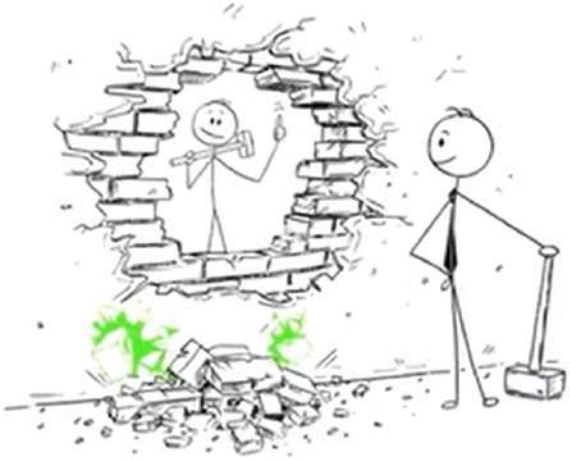
OPS TEAM

I Have given you the right code

I have deployed the code you given to me



SO WHAT IF WE BREAK THE WALL?

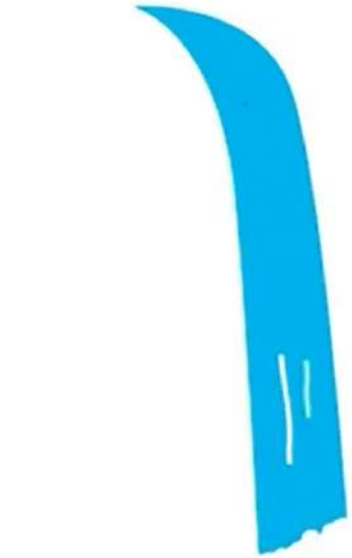


THAT IS DEVOPS ---> DEV + OPS

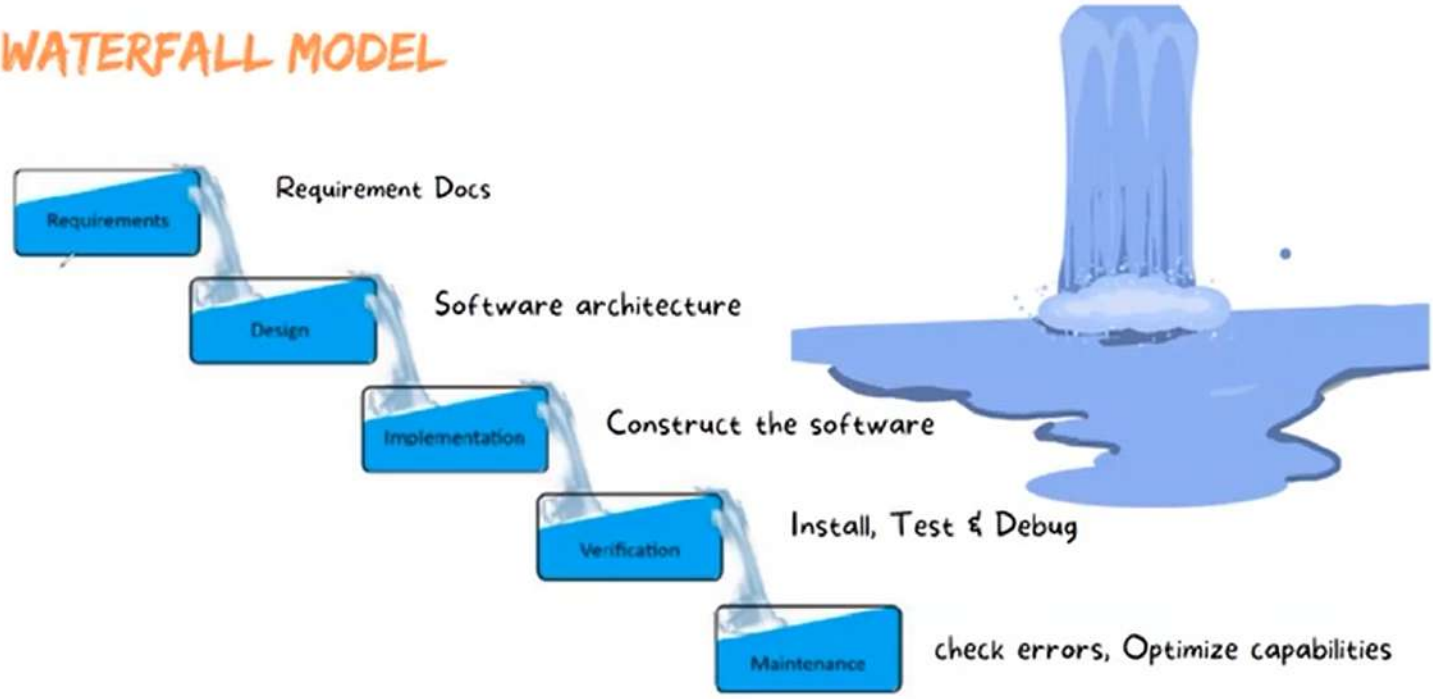
BEFORE DEVOPS?

waterfall methodology

The Waterfall methodology -- also known as the Waterfall model—is a sequential development process that flows like a waterfall through all phases of a project analysis, design, development, and testing, for example, with each phase completely wrapping up before the next phase begins.



WATERFALL MODEL



WATERFALL MODEL

ADVANTAGES

1.Simple, easy to understand, and use

2. easy to maintain due to high rigidity of the model

3. phases are processed and completed one at a time

4. works well for small projects where requirements are very well understood.

DISADVANTAGES

1.you cannot go back a step; if the design phase has gone wrong

2. high amount of risk and uncertainty

3. not a good model for complex and object-oriented projects

4. not suitable for the projects where the requirements are at moderate to high risk of changing.