



DevOps Overview



What we'll learn

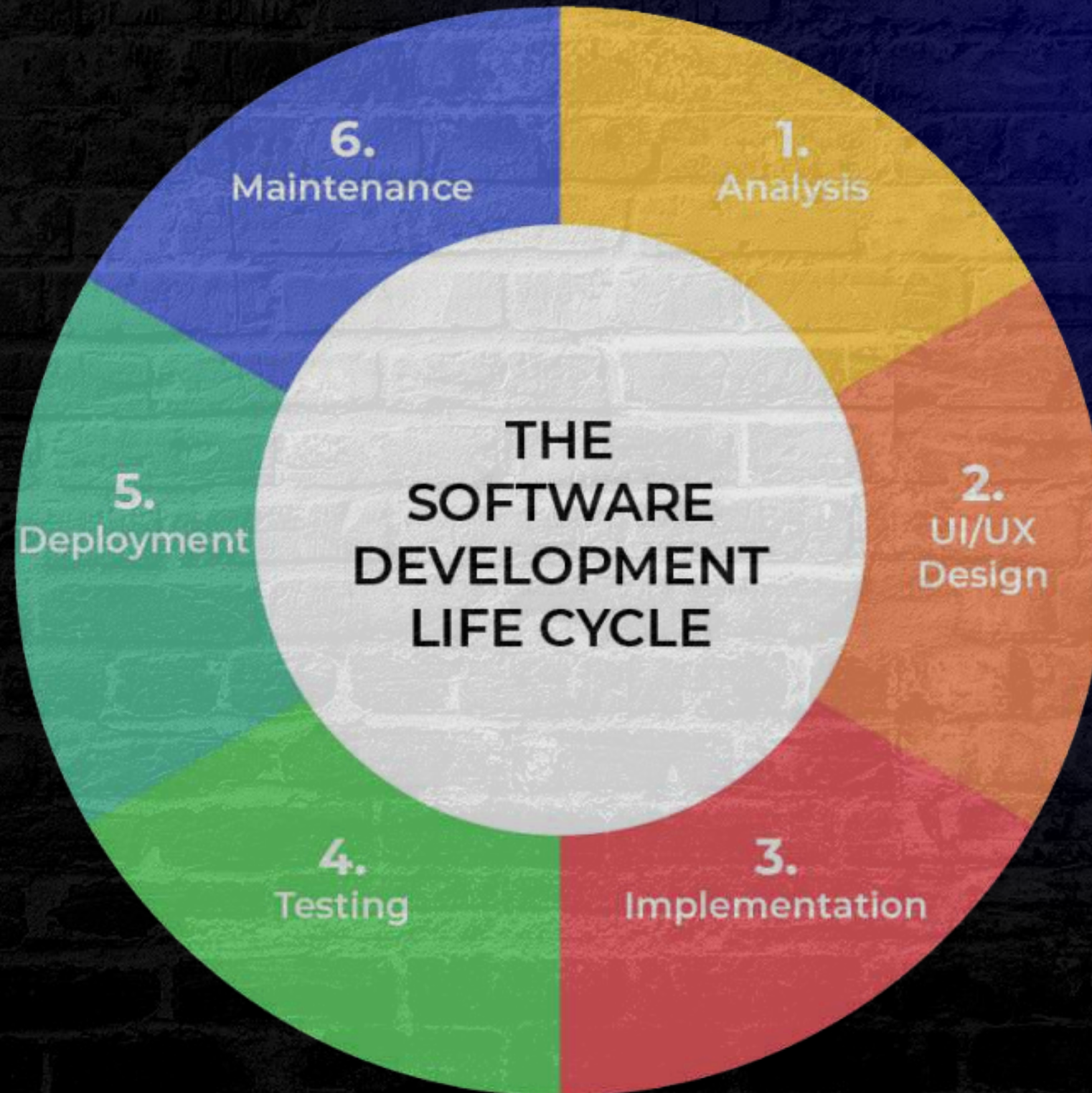
Software Development Life Cycle (SDLC)

Problems with Traditional SDLC

The Wall of Confusion

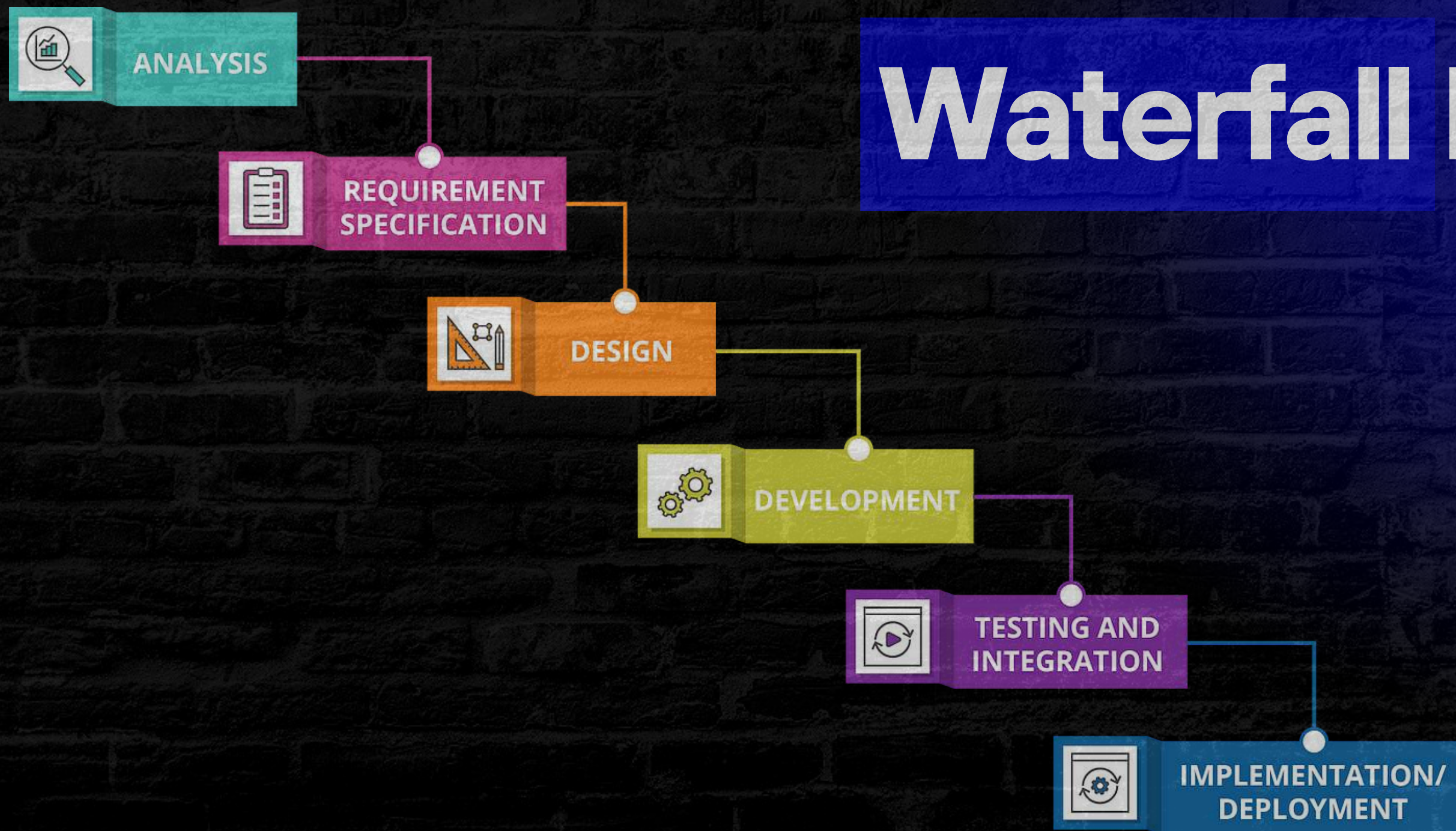
The Emergence of DevOps as a Solution

SDLC





Waterfall Model





Problems مشاكل



Lack of Continuous Feedback

Limited Collaboration

Inconsistent Environments & Configurations



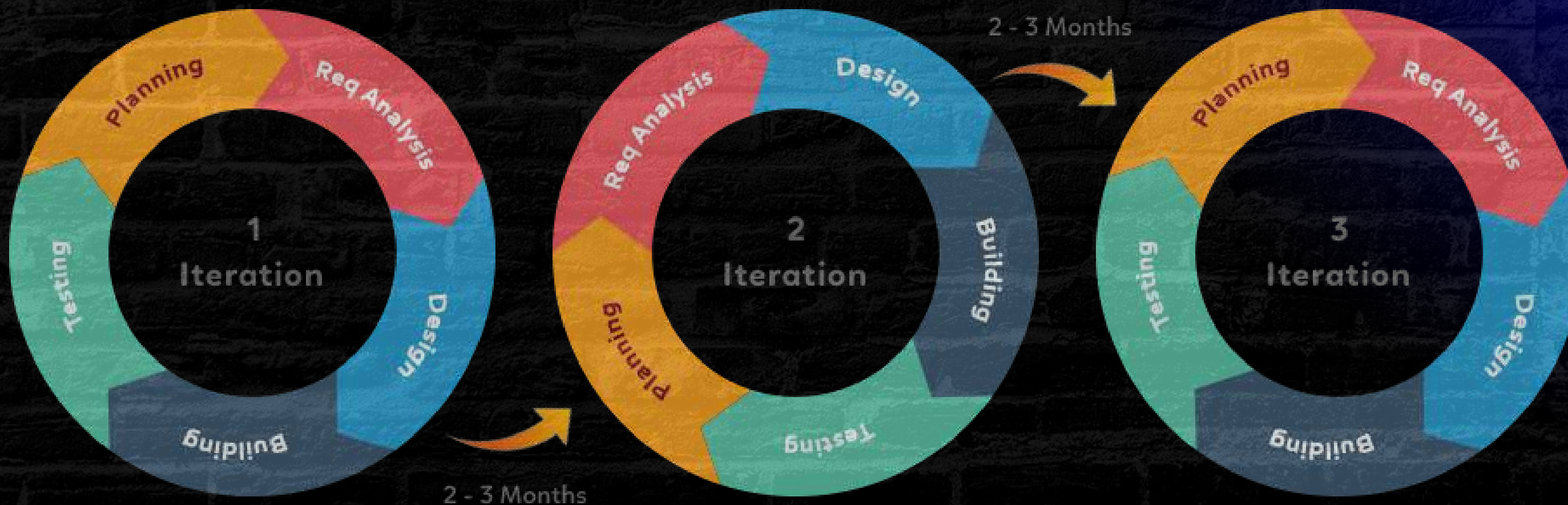
Slow and Manual Deployment

Difficulty in Scaling

Sudden changes of code



Agile Methodology

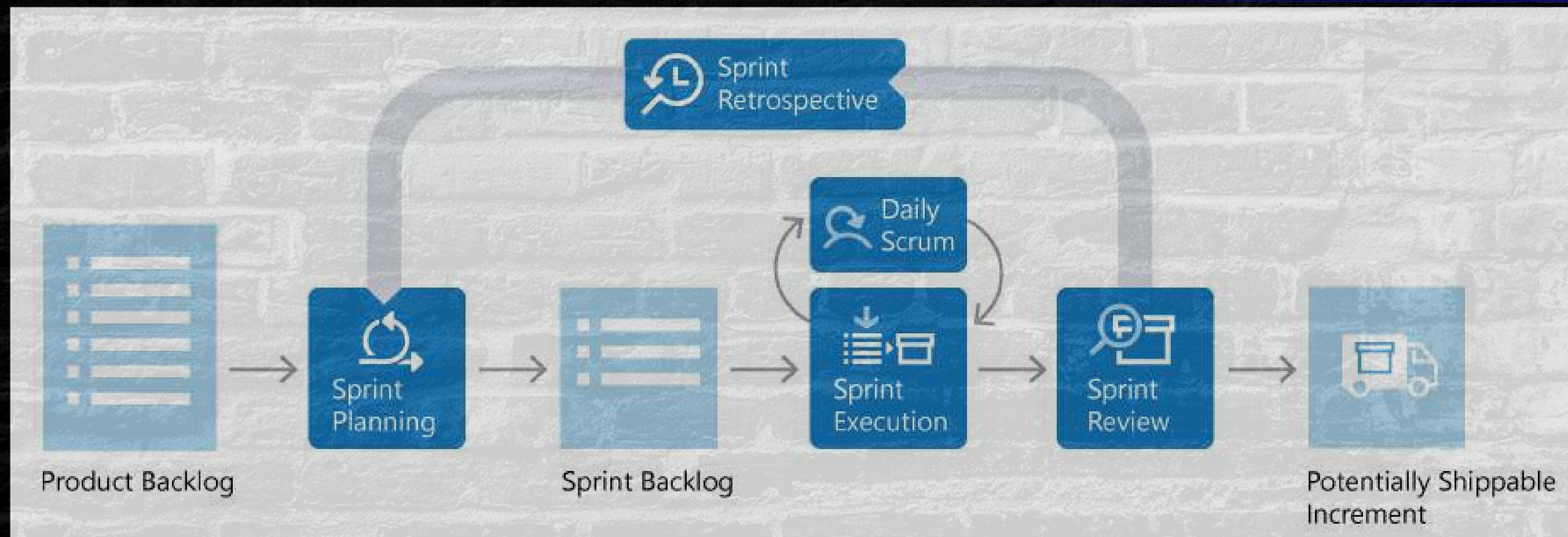


Agile Methodology frameworks

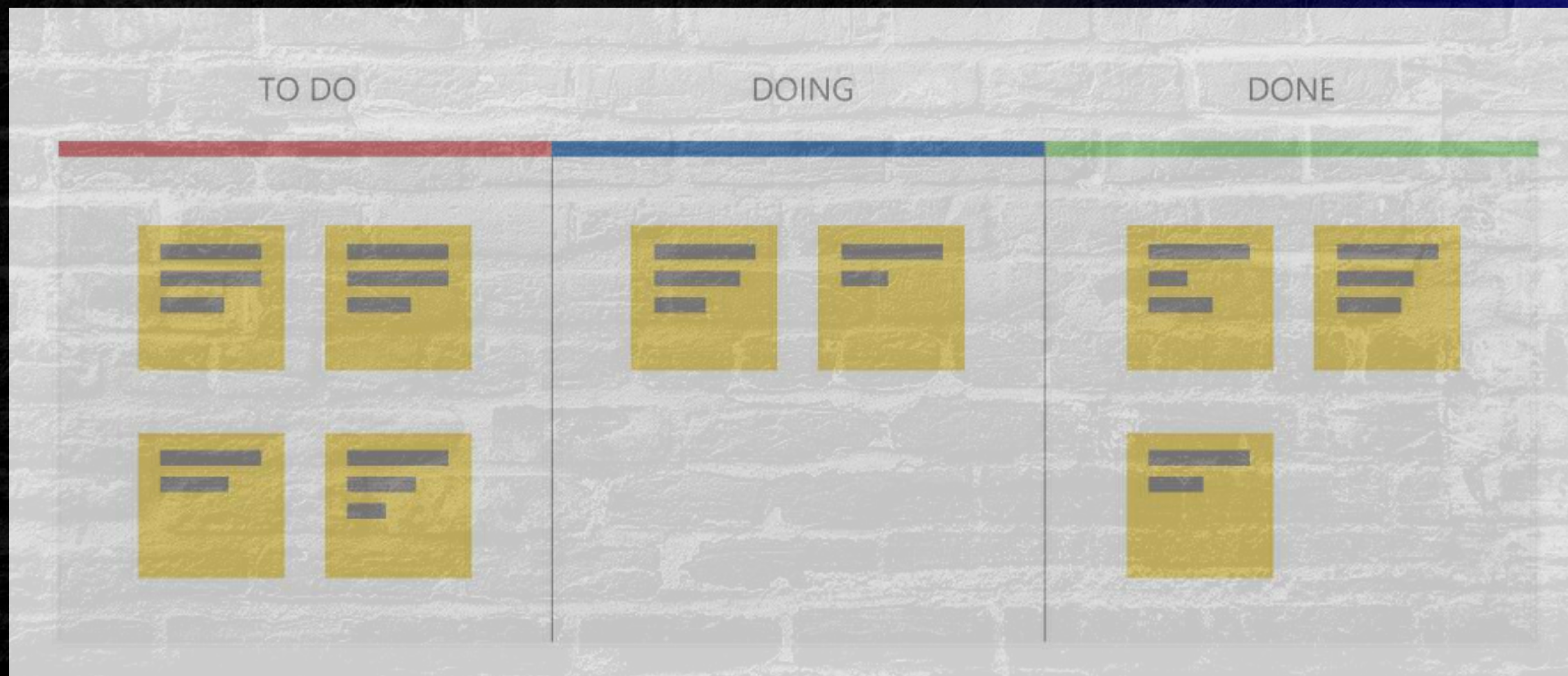
Scrum

Kanban

Scrum



Kanban



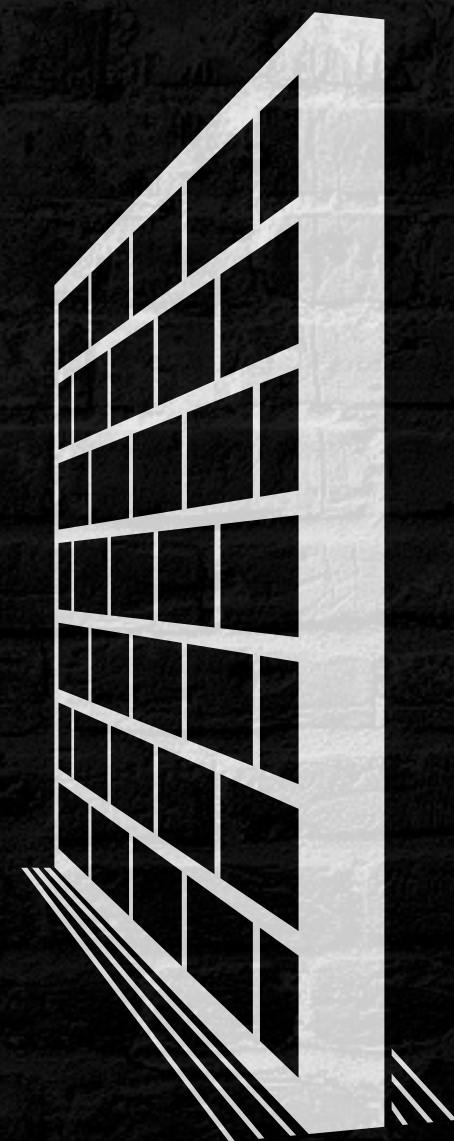


Wall of confusion



Development Team

Their focus is on innovation, speed, and responding to changing requirements.



Operations Team

They prioritize stability, security, and performance.

Lack of visibility and coordination

Deployment failures and production outages



The solution

الحل



علاش DevOps هو الحل؟

مع اعتماد ديفوبس، العملية ديال تطوير البرمجيات وتشغيلها ولات متكاملة ومستمرة، فرق التطوير والتشغيل كيتعاونو مع بعضياتهم من البداية حتى النهاية، هادشي كيمكن من إطلاق التحديثات بسرعة وبجودة عالية، حيث المشاكل كتكون معروفة ومحلولة قبل ما توصل لفرق التشغيل، فينما كيتكتب الكود، كيدوز فعمليات ديال الاختبار والتشغيل بشكل أوتوماتيكي.

؟ DevOps شنو هو

DevOps is a combination of two words: 'Development' (Dev) and 'Operations' (Ops). It's a set of practices and a culture that brings these two teams together to work more closely and efficiently.

The main goal of DevOps is to speed up the process of delivering software by improving collaboration, automating processes, and ensuring that the software is reliable and performs well.



DevOps

أدوات



Version Control Tools

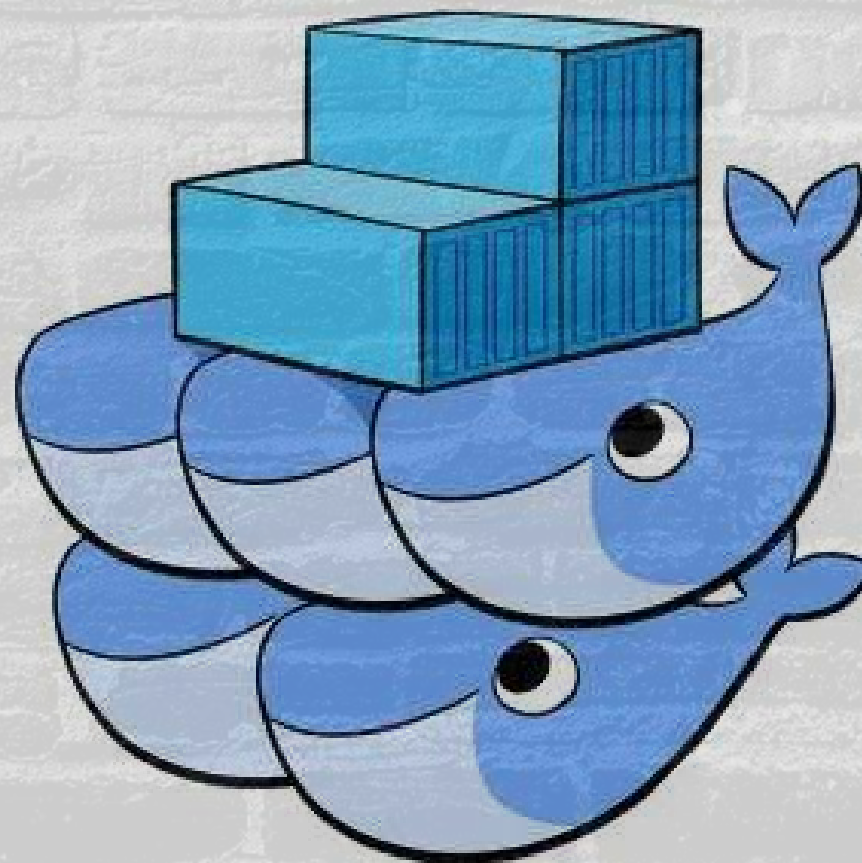
It's like having a "save" button that keeps every version of your work



git



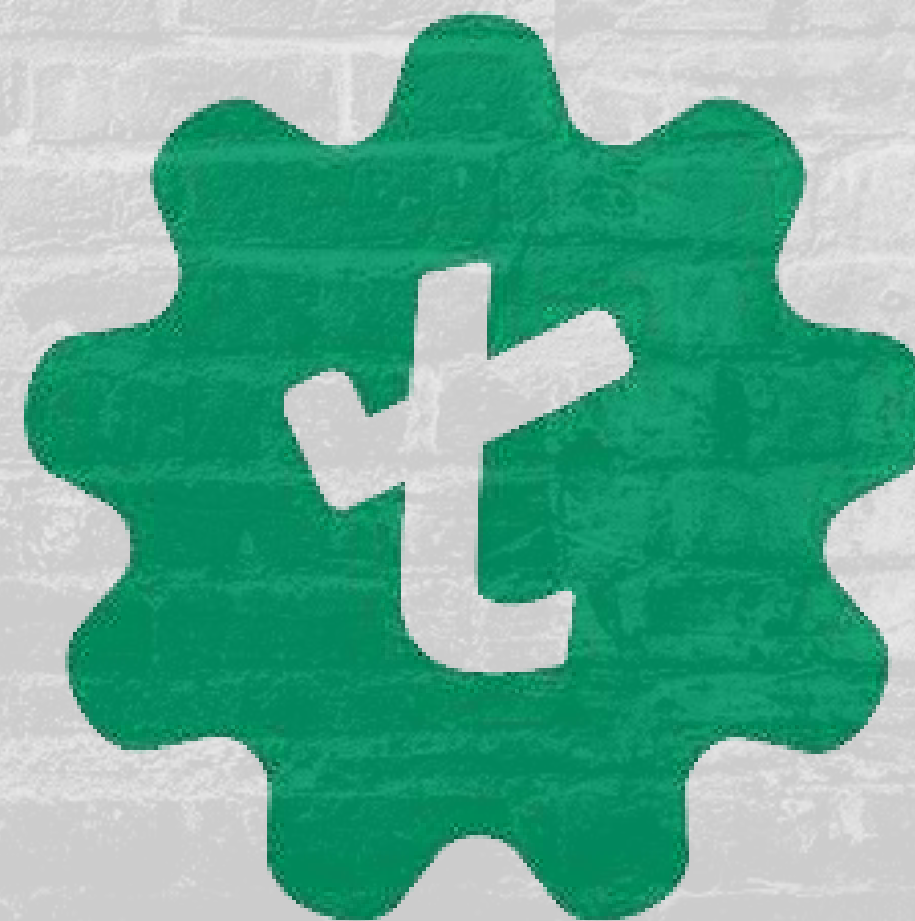
Container Management Tools



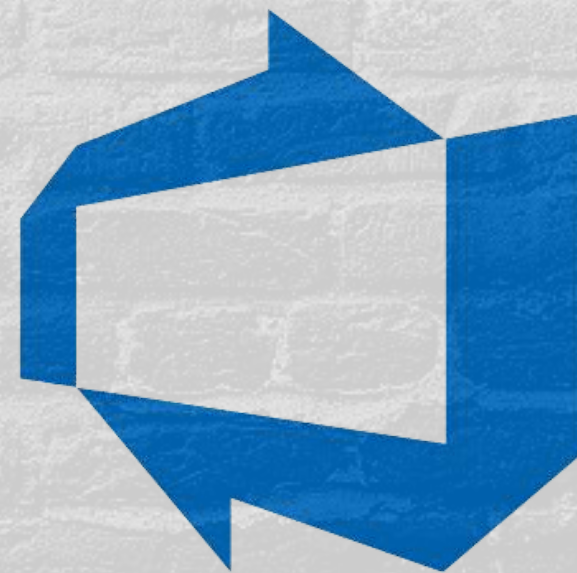
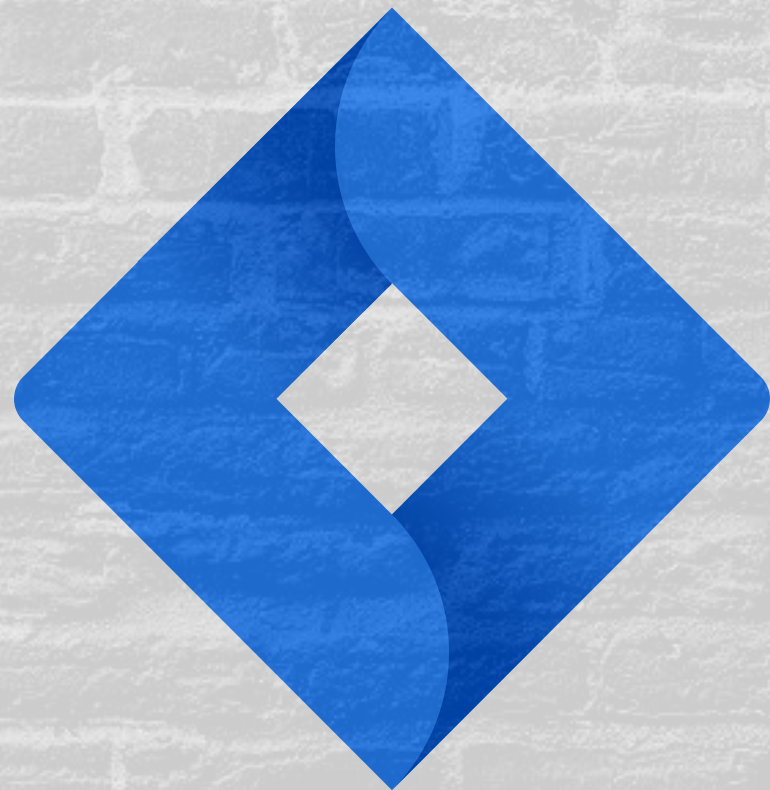
CI/CD Tools



Test Automation Tools



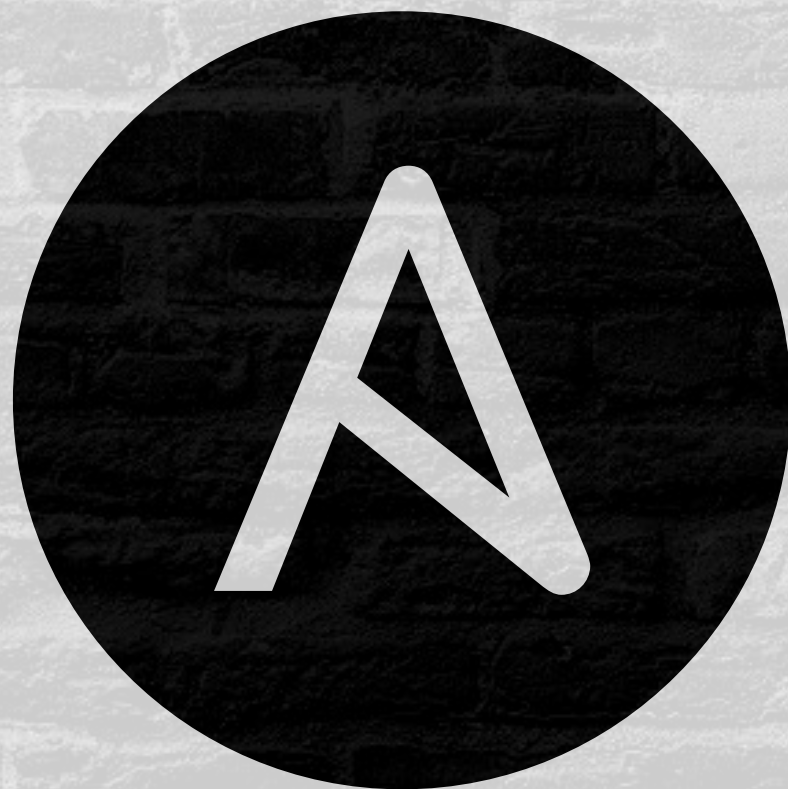
Project Management Tools



Azure DevOps



Configuration Management Tools



CHEFTM



I will find you

and I will ask questions!

