Sujata Bataraa

Introduction to DevOps

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What is DevOps?

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What is DevOps?

"It's a movement of people who think its time for change in the IT industry – time to stop wasting money, time to start delivering great software and building systems that scale and last" **– Patrick Debois**

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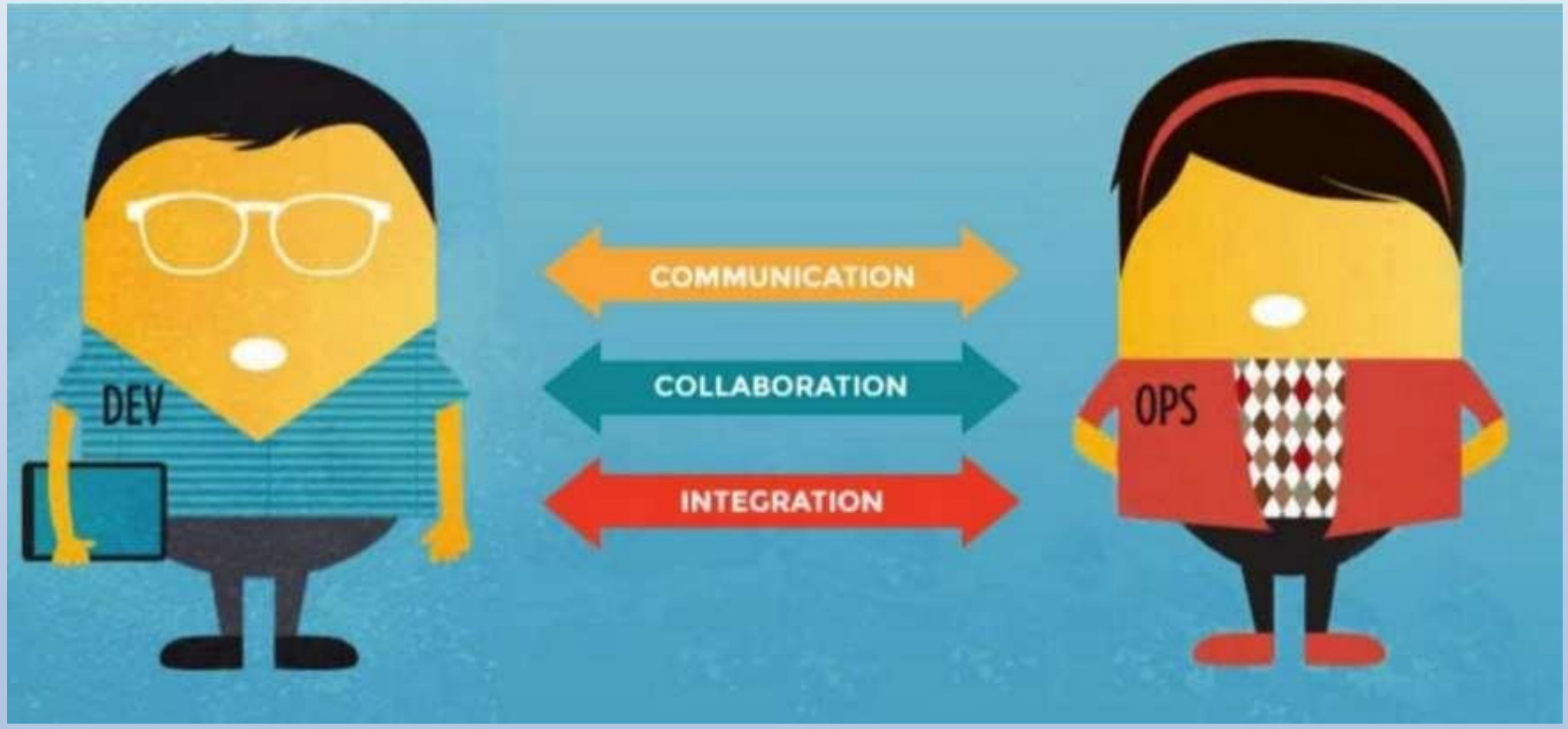
DevOps Philosophy



Once Upon a Time

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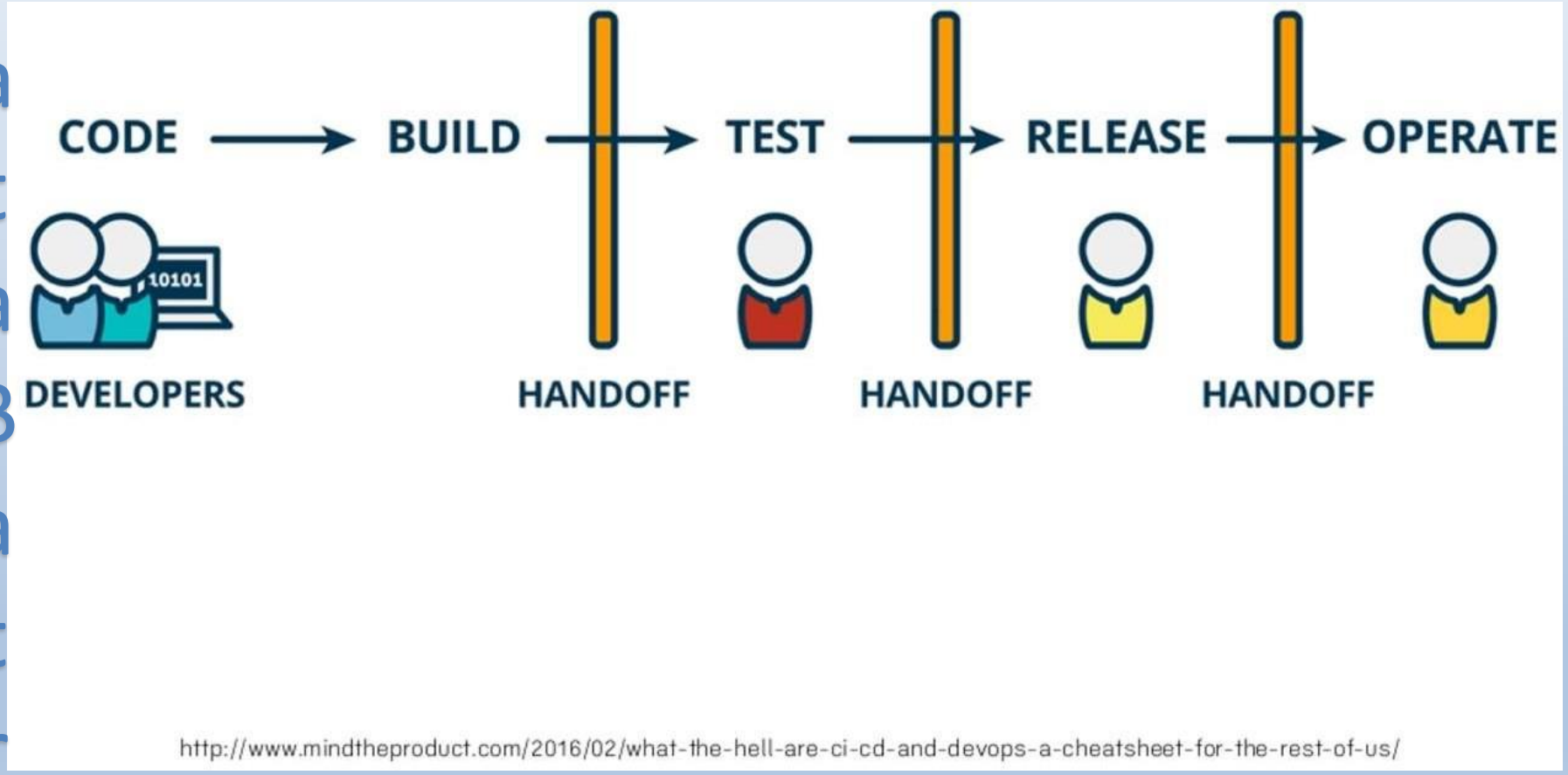

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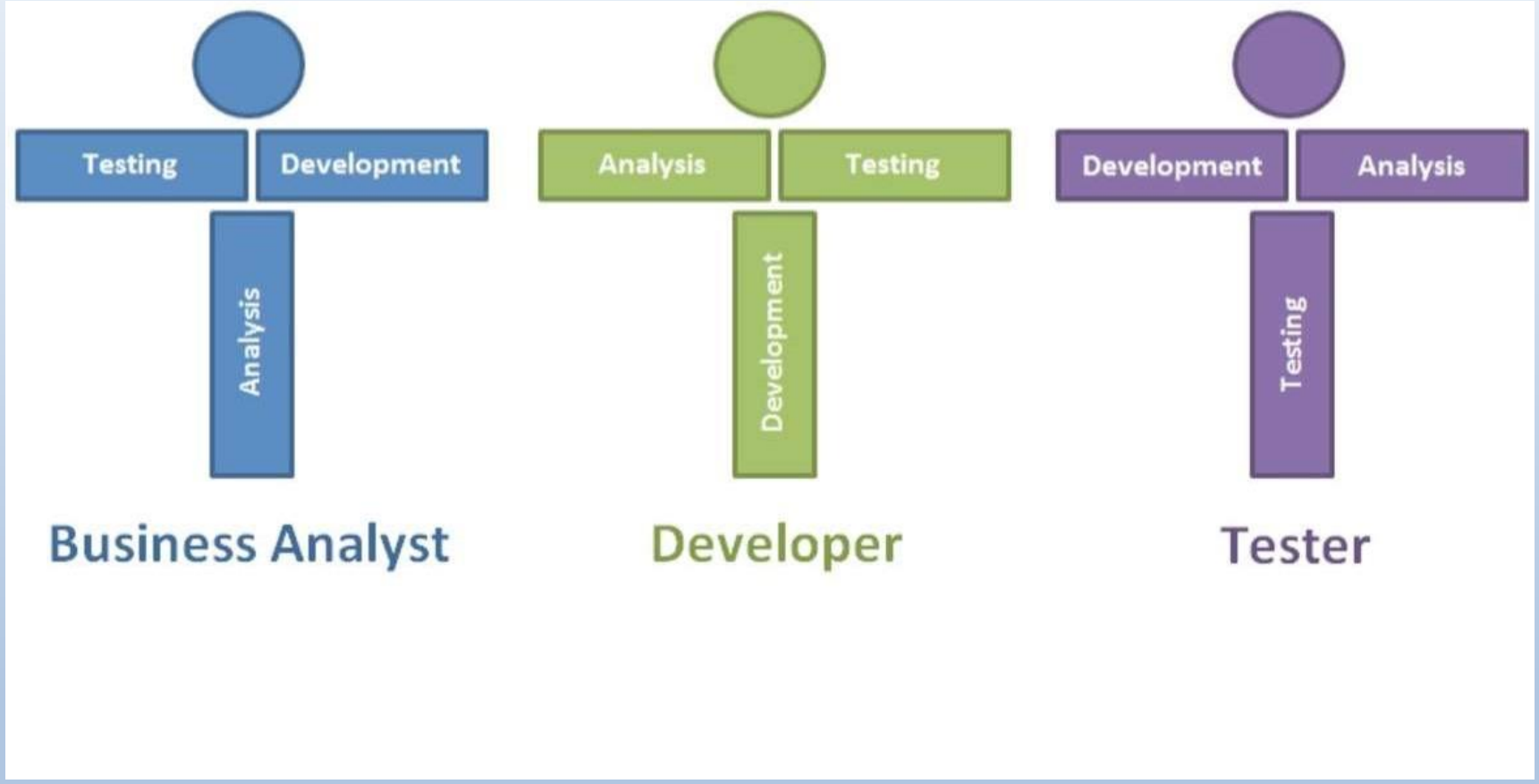

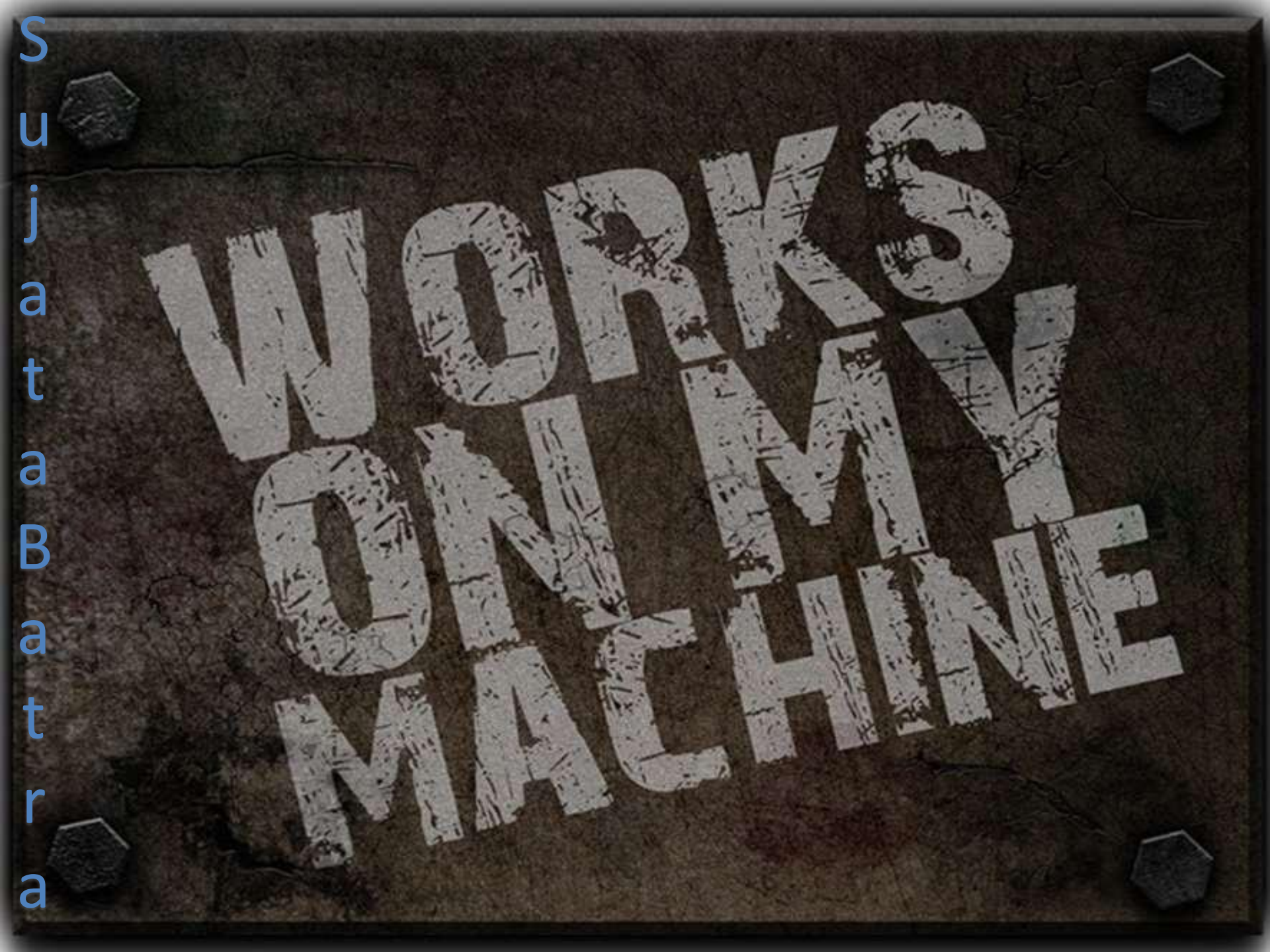

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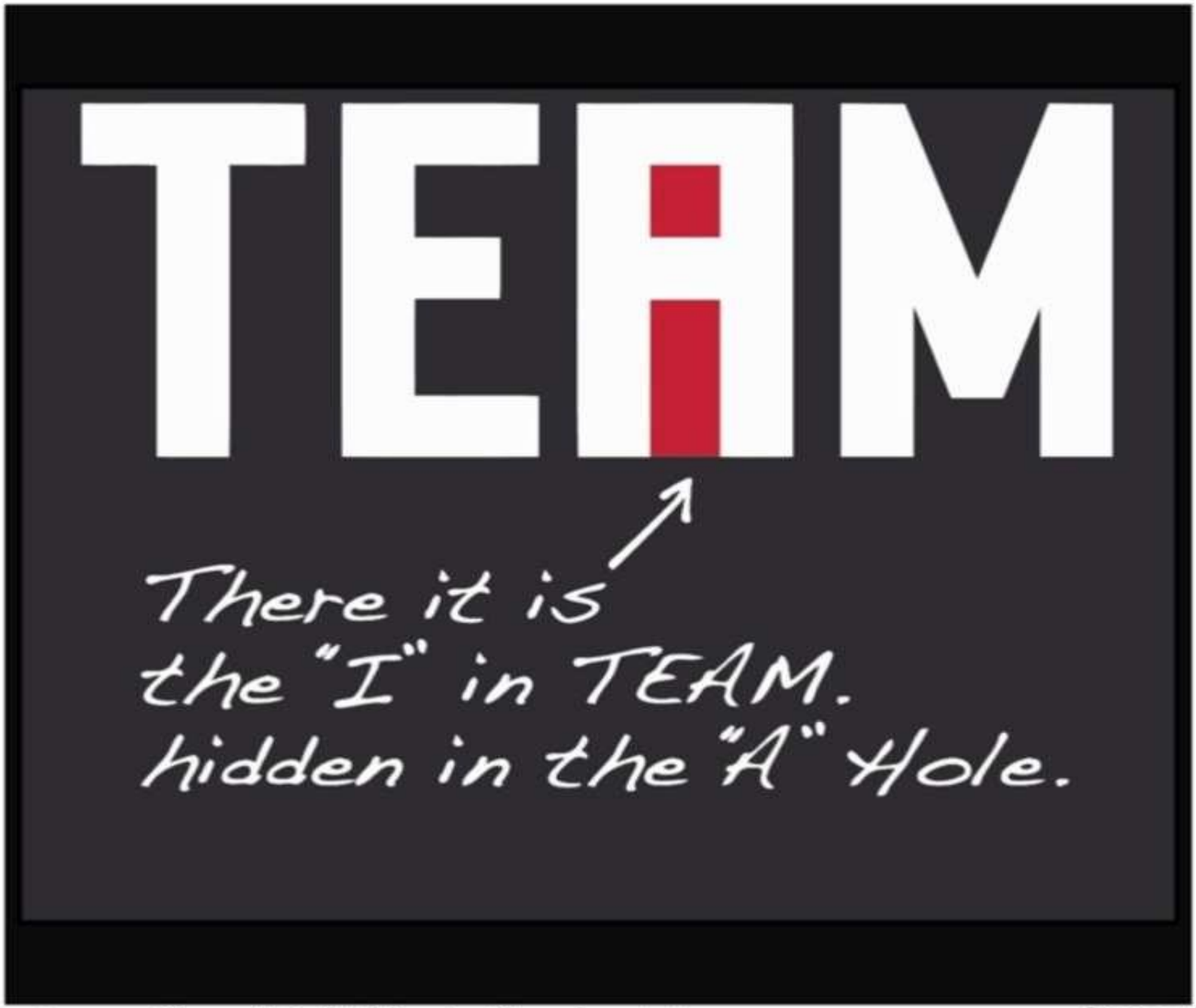

I in Team - There it is hidden in the... *by ginjavv*

Zazzle

Once Upon a Time

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"By 2015, DevOps will evolve from a niche strategy employed by large cloud providers into a mainstream strategy employed by 20% of Global 2000 organizations."

Patrick Debois

2008

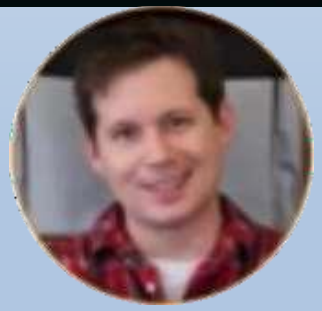
2009

Cameron Haight

2011

2013

2015+



John Allpaw

Paul Hammond

Gene Kim

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Why DevOps?

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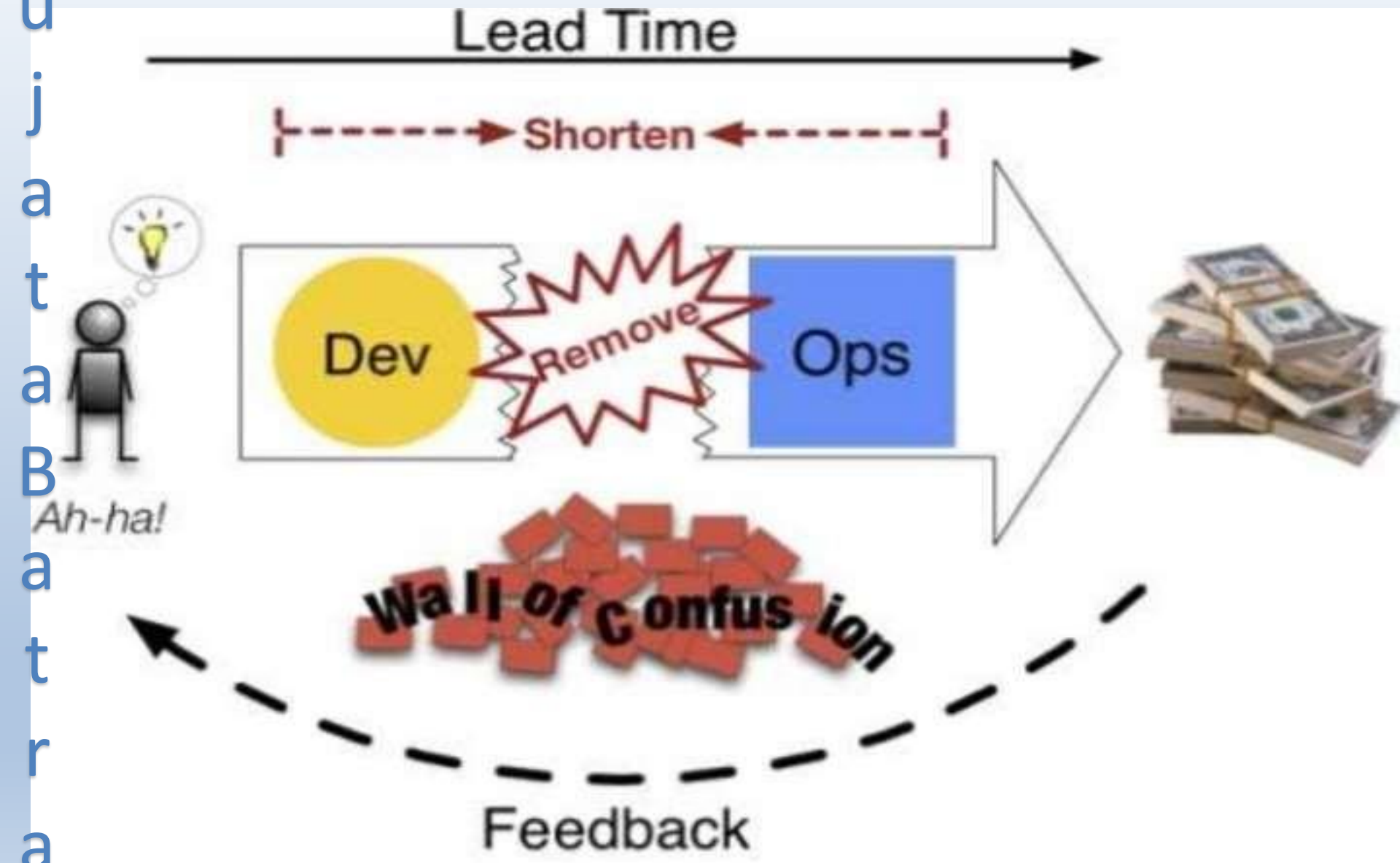

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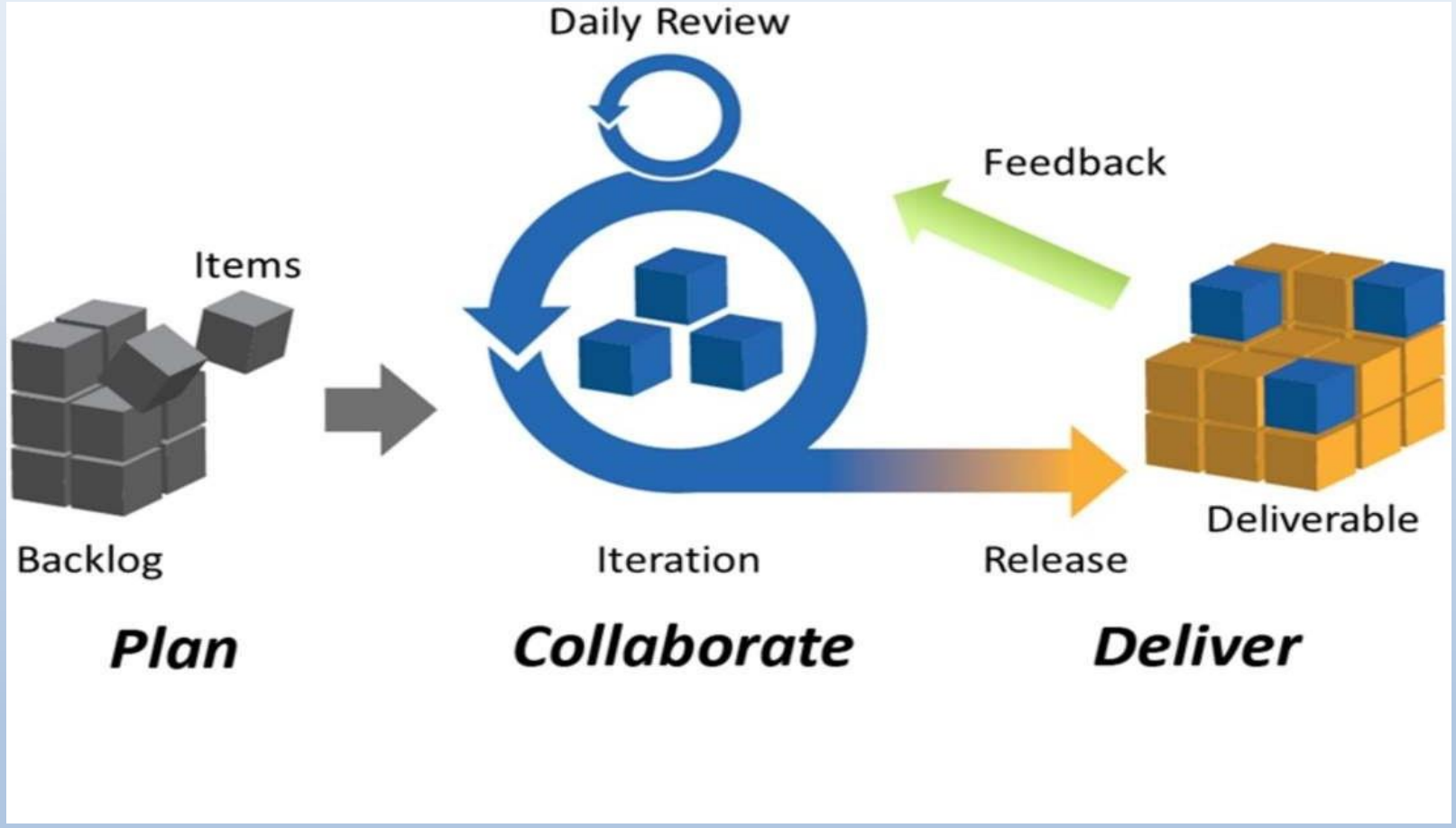

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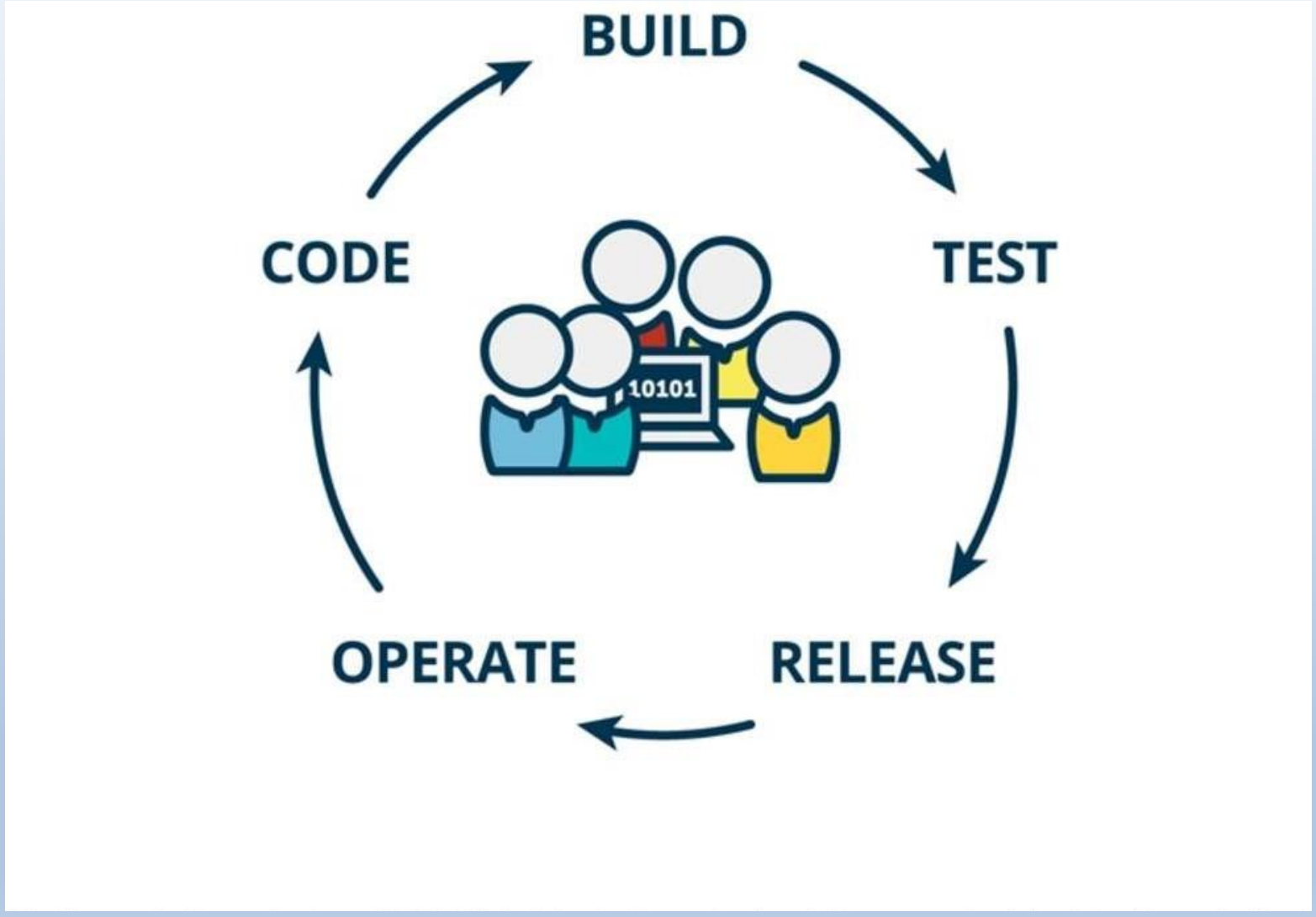

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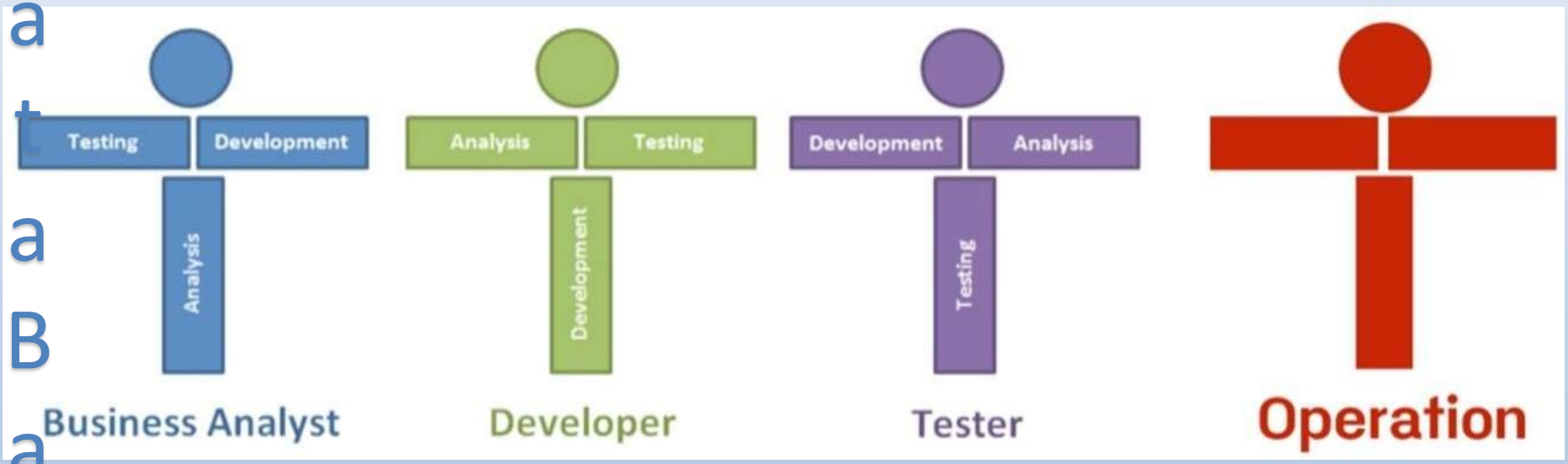

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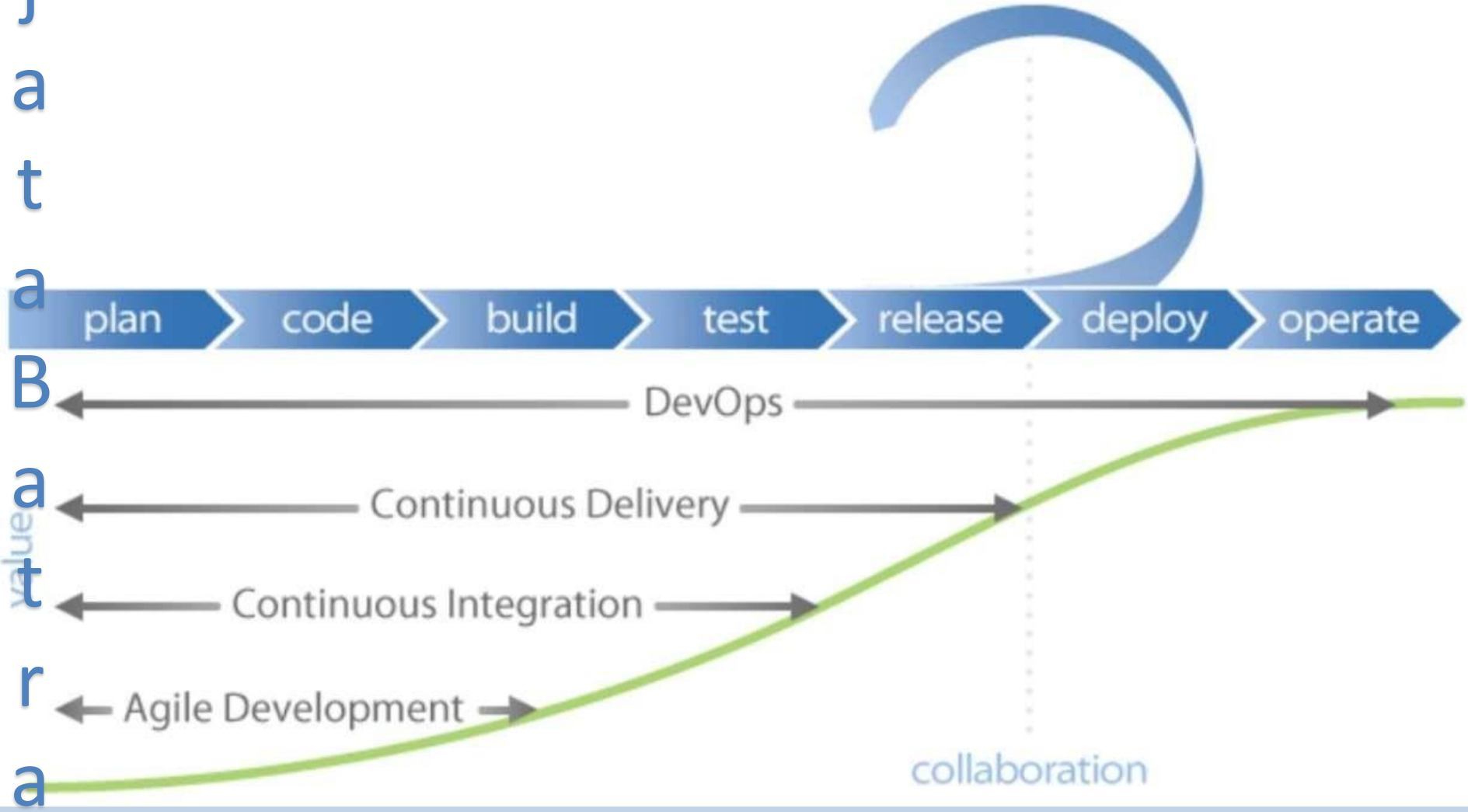
Why does it Matter?



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How to start DevOps?

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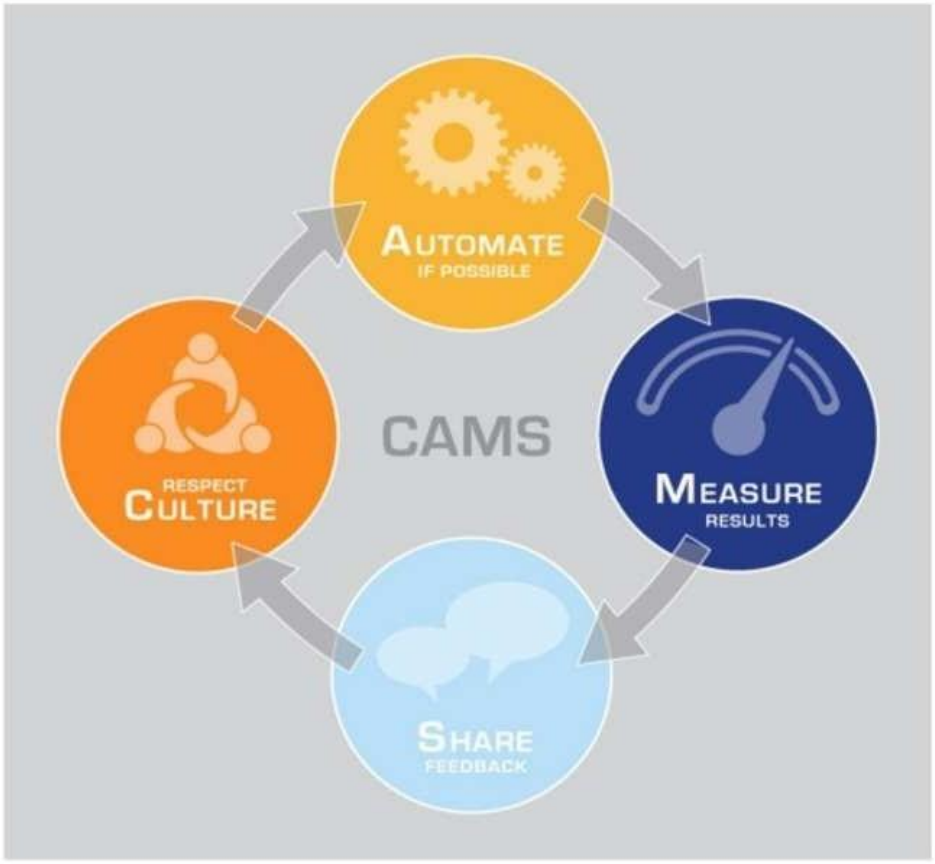
DevOps Principles



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DevOps Principles

Culture => People, Process, Tools

Automation => Infrastructure as Code

Measurement => Measure everything

Sharing => Collaboration/Feedback

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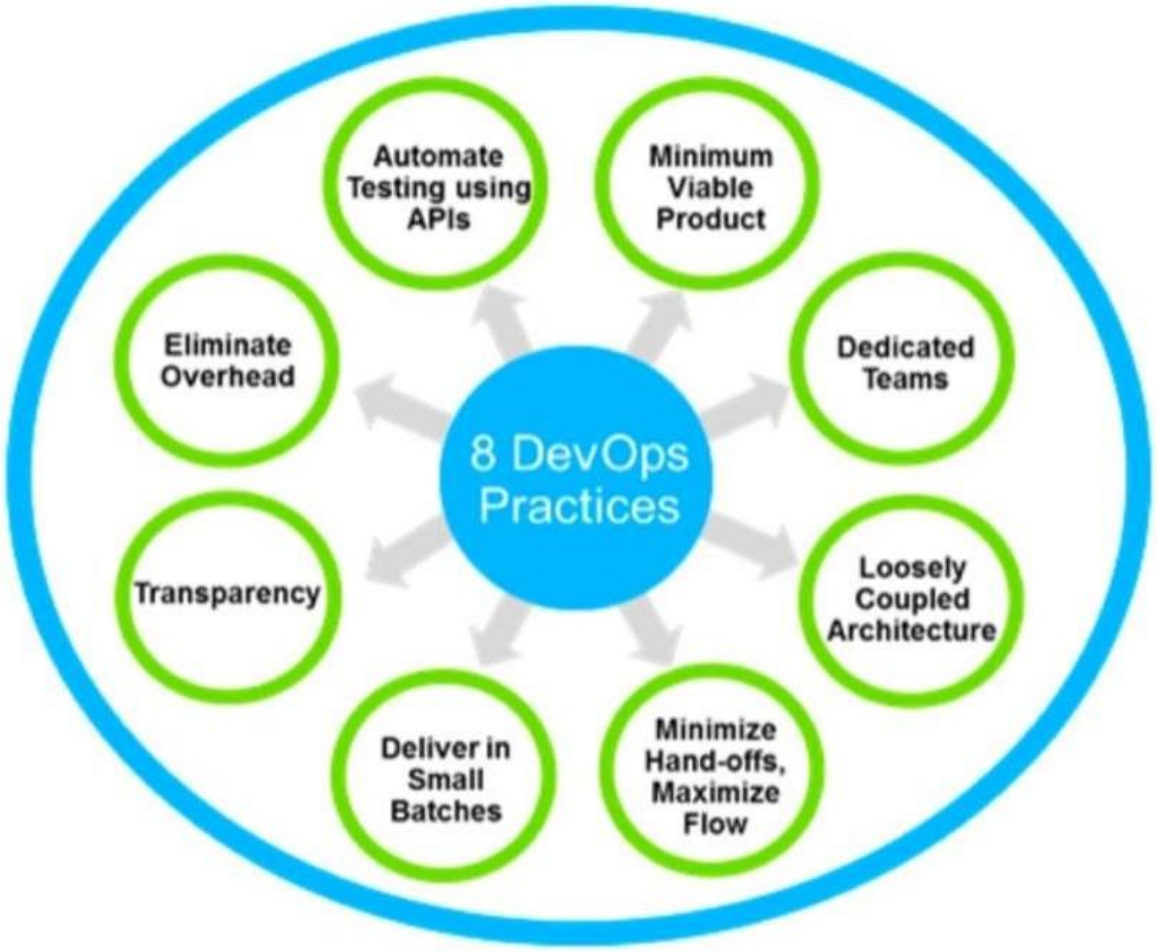
DevOps Practices



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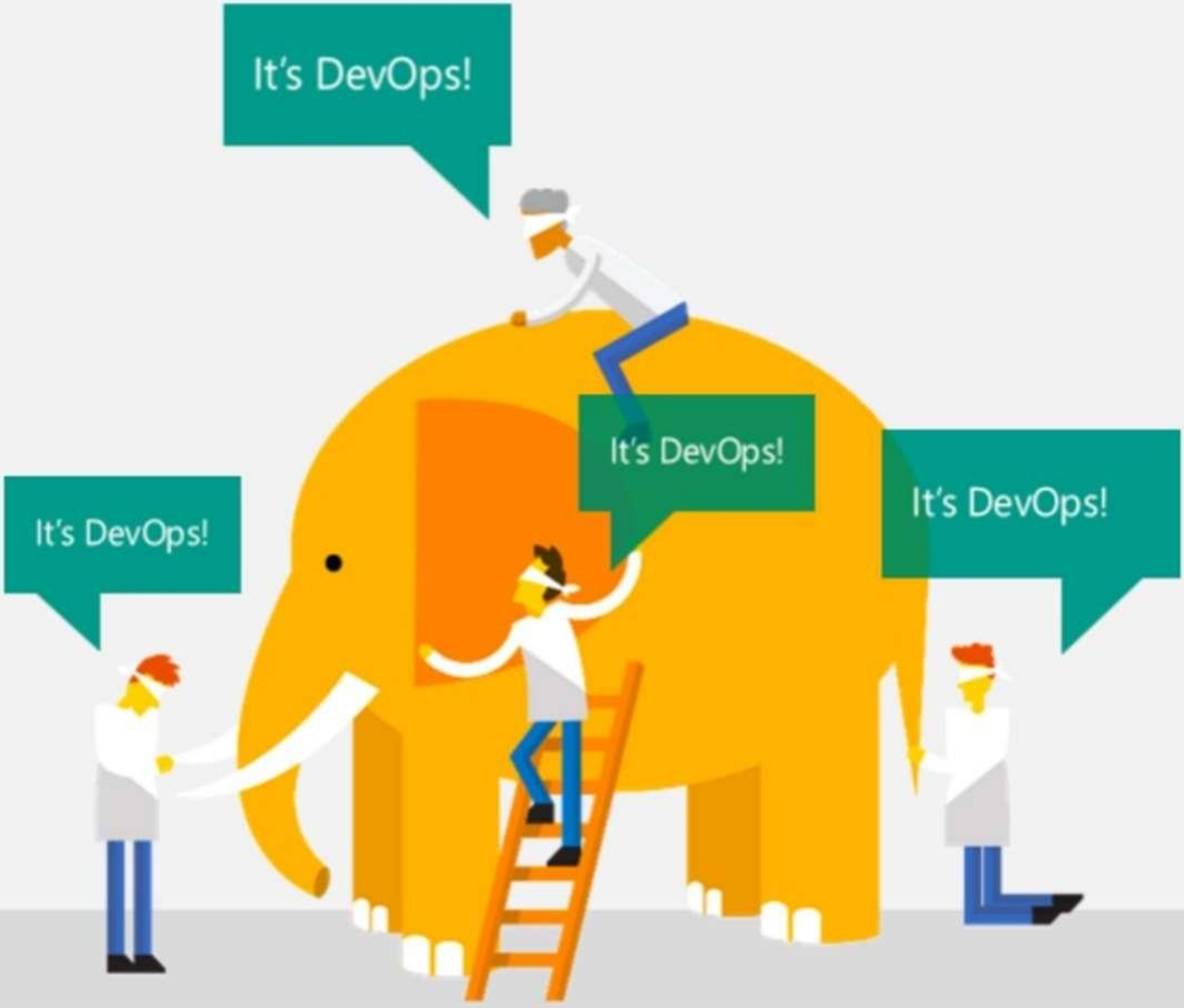

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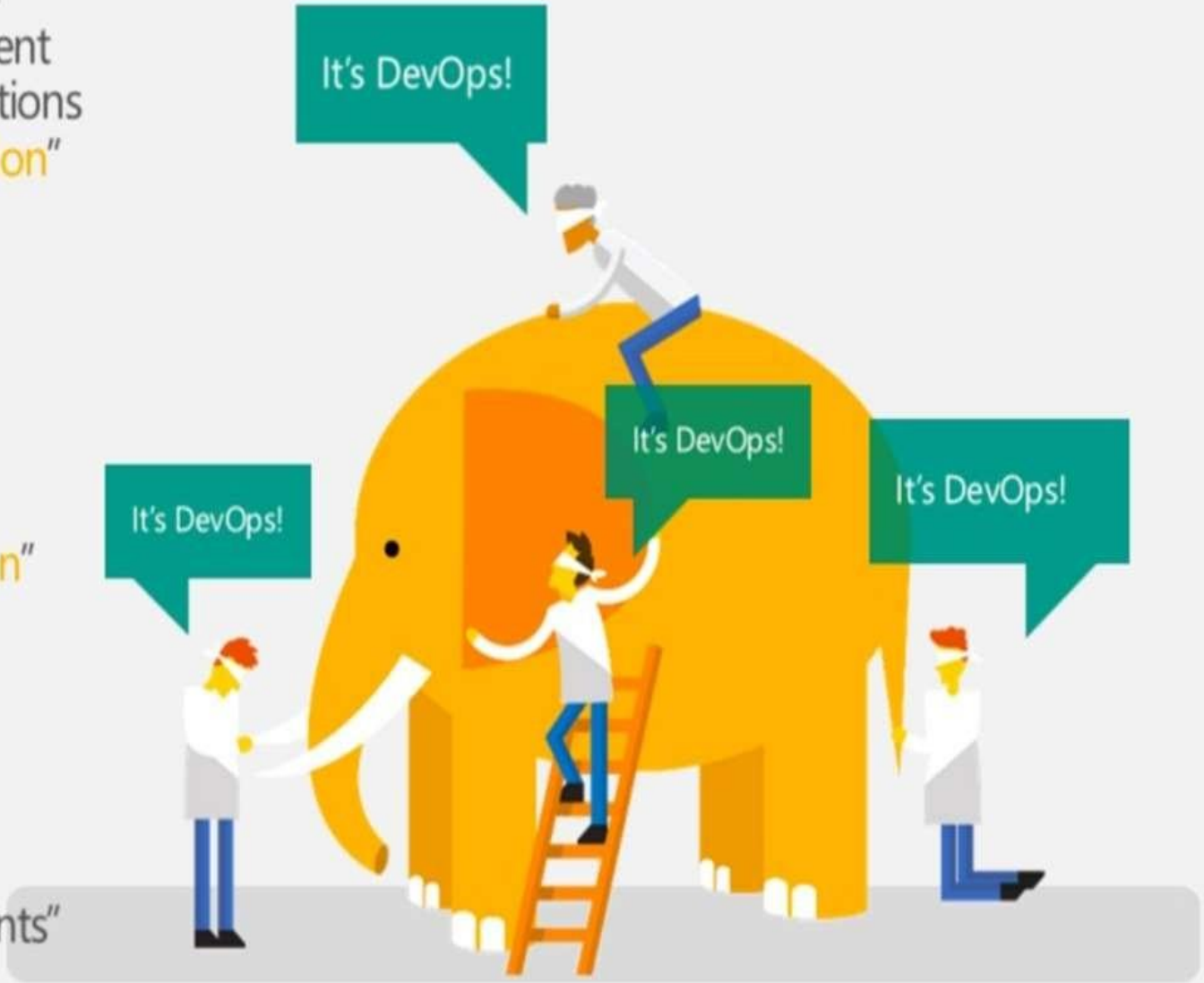
"DevOps is development and operations collaboration"
It's DevOps!
"DevOps is treating your infrastructure as code"
"DevOps is using automation"
It's DevOps!
It's DevOps!
It's DevOps!
"DevOps is feature switches"
"DevOps is small deployments"
"Kanban for Ops?"

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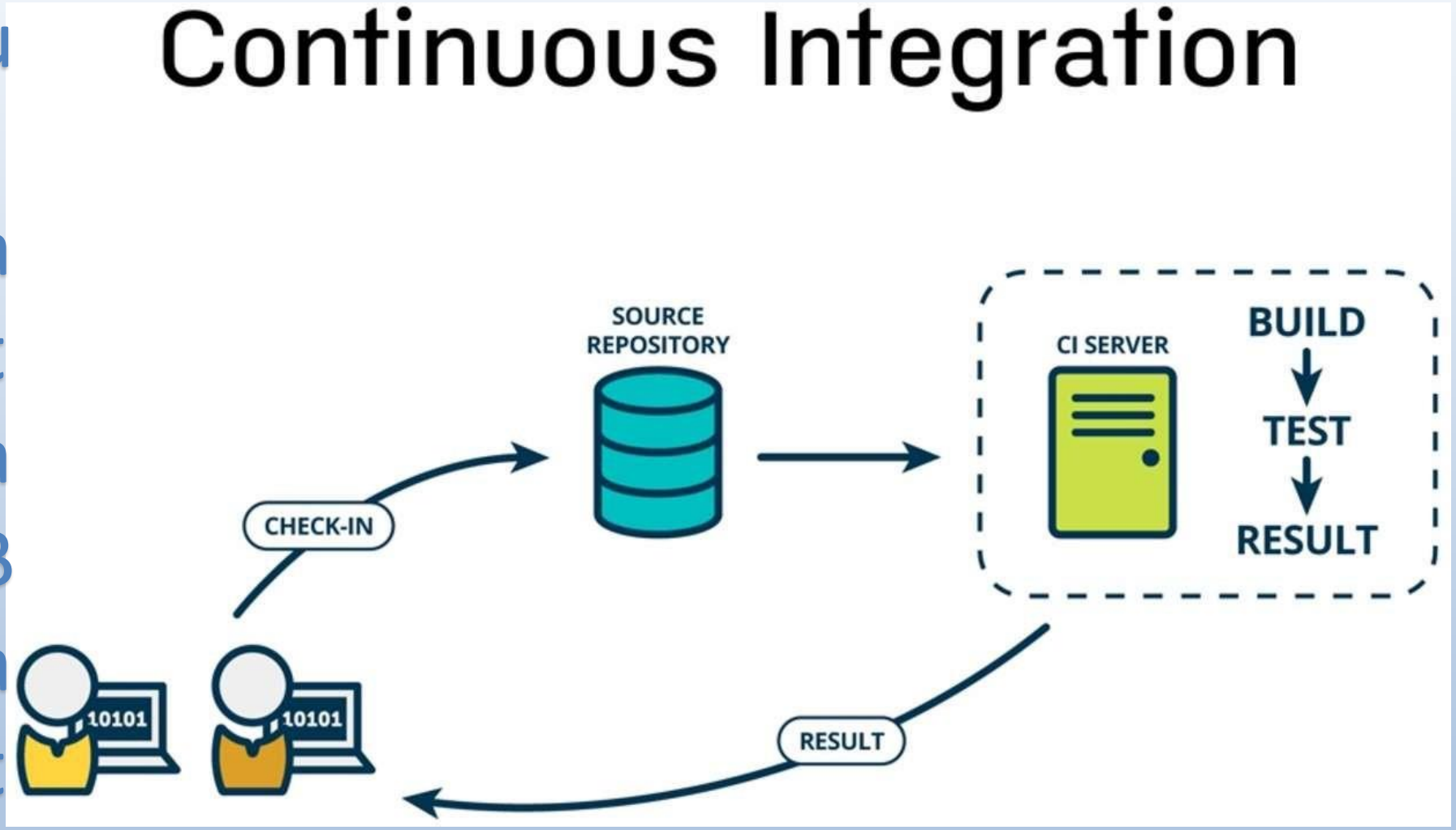
Continuous Integration



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Jenkins

Bamboo

TeamCity

go

Visual Studio
Team Foundation Server

Hudson

Travis

wercker

circleci

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CI is a practice

Discipline to **integrate frequently**

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CI is a practice

Strive to make **small change**

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CI is a practice

Strive for **fast feedback**