05

Deployment strategies you must know as a DevOps Engineer

1

BIG BANG DEPLOYMENT

users

Load Balancer

Before deployment

After deployment

V 1.0

V 2.0

Back to previous version

BUT IF ERROR
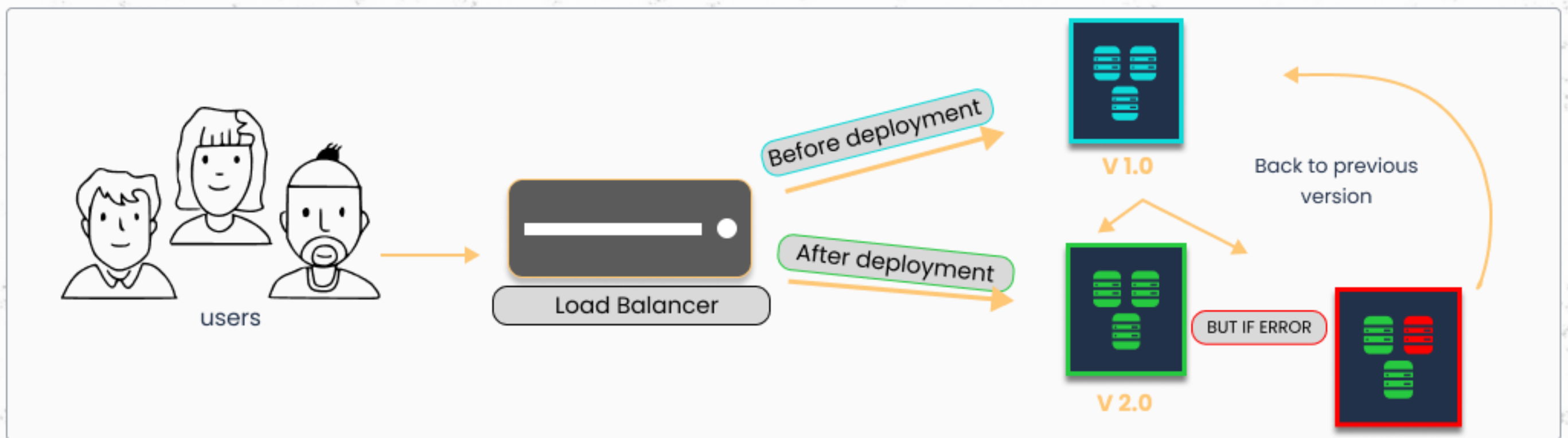
No downtime, just a big bang for targeted users.

2

ROLLING DEPLOYMENT

users

Load Balancer

Before deployment

Phased deployment

V 1.0

V 1.0

V 1.0

V 2.0
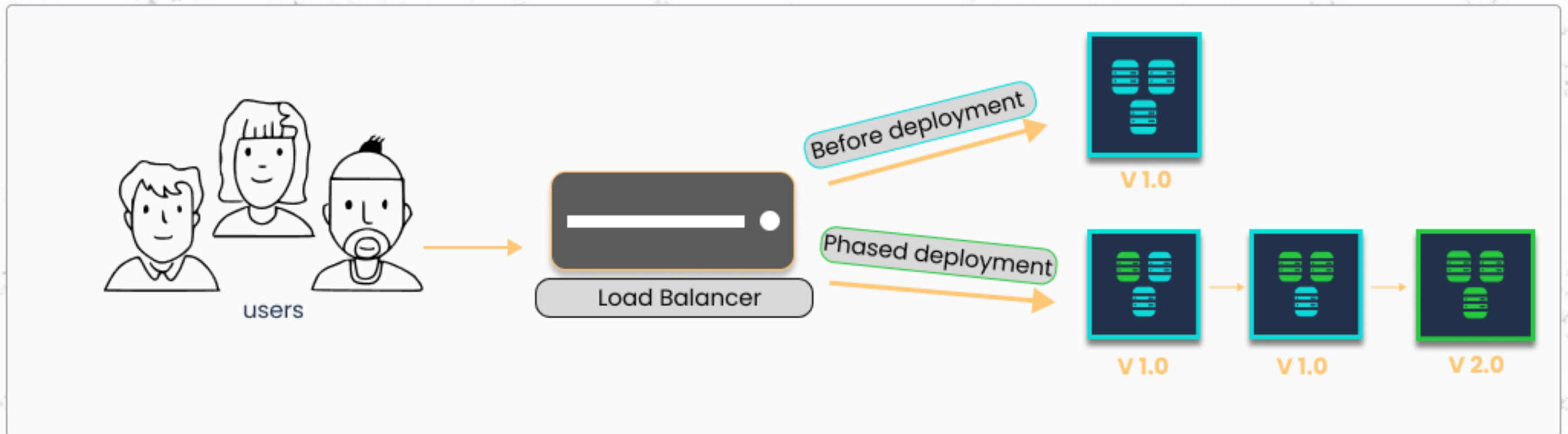
No downtime, No VIP; Everyone upgraded

3

BLUE – GREEN DEPLOYMENT

users

Load Balancer

Before deployment

After deployment

V 1.0

V 2.0

QA tests 'green' environment

Standby V2

Standby V1
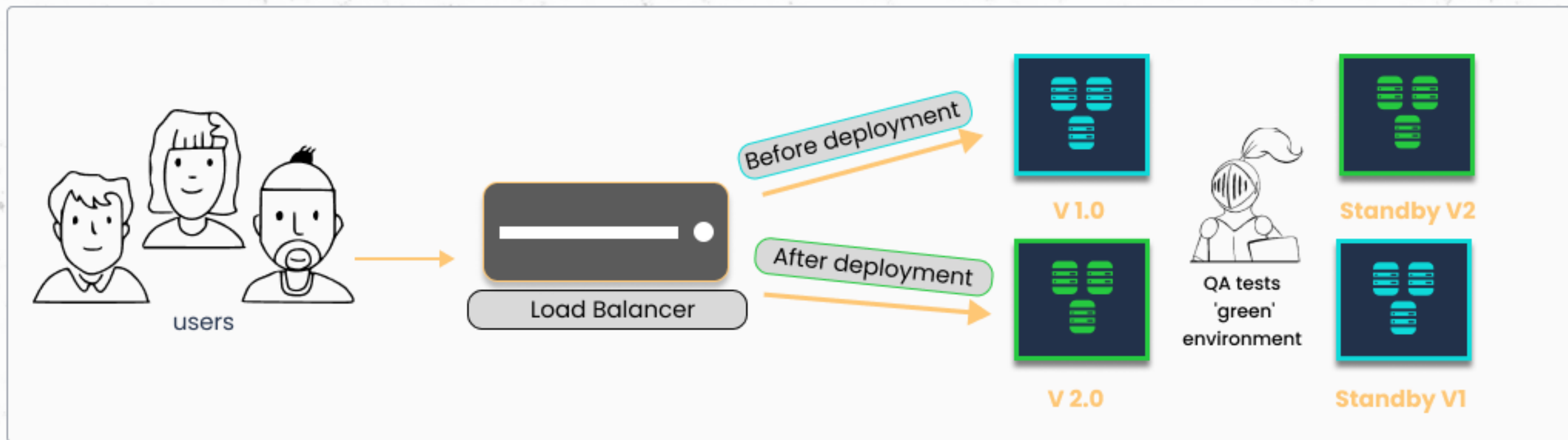
No downtime, and no one is left behind

4

CANARY DEPLOYMENT

Before deployment

After deployment

Load Balancer

V 1.0

new version

V 2.0

V 1.0

FEW USERS

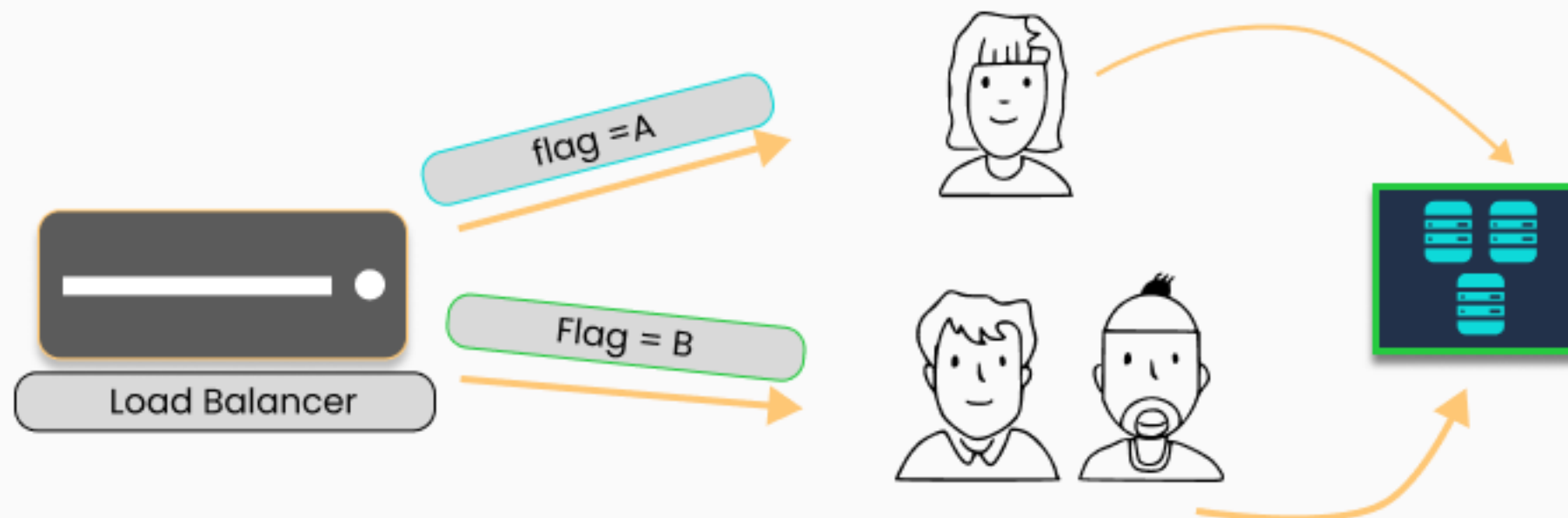QA team watches closely and once clear New versions are deployed

MORE USERS

Mass USERS
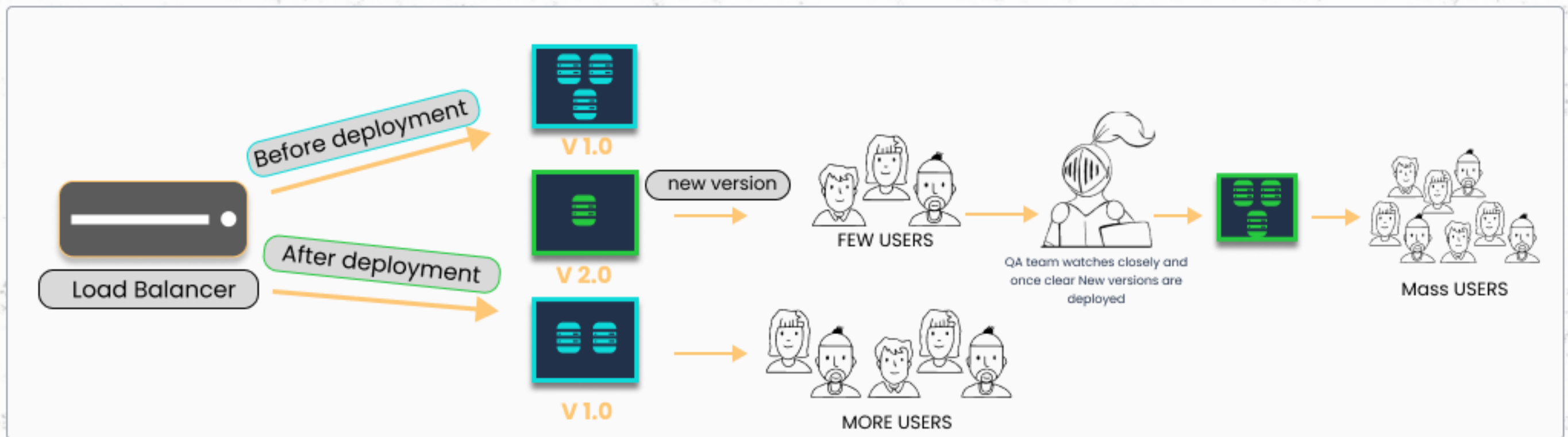
No downtime, and you'll make sure the new version is singing before releasing it to the masses.

5

FEATURE TOGGLE DEPLOYMENT

flag = A

Flag = B

Load Balancer

No downtime, and only the chosen ones get to experience the new feature.

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