

Tech Talk: DevOps

GSA Digital Service



A long time ago in an agency far,
far away....

culture + practices + tools

=

faster delivery + better quality

The First Way

Systems thinking

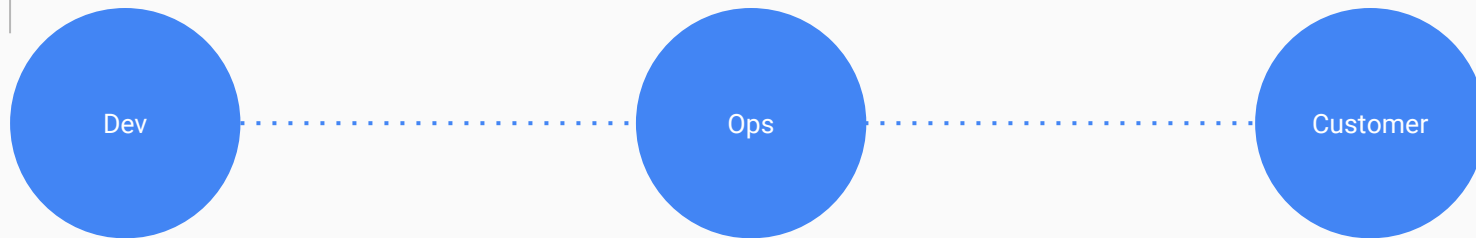


The traditional approach

Day 1

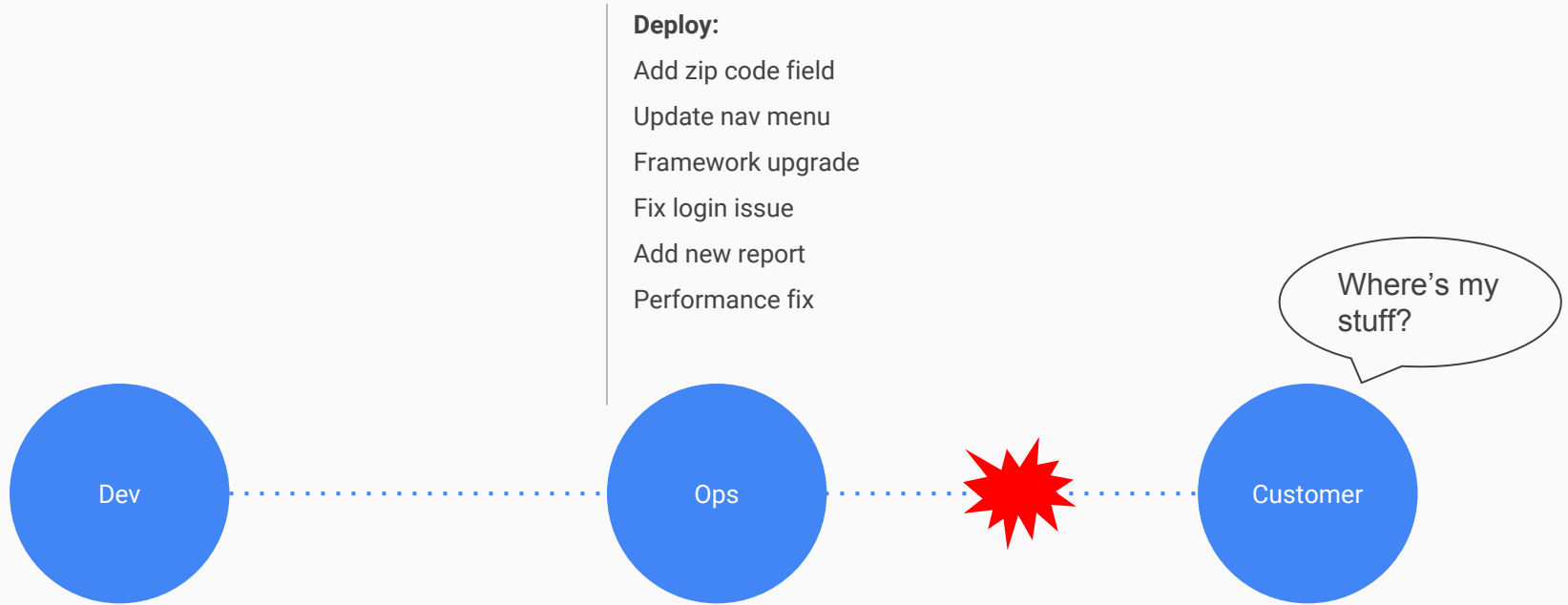
Develop:

Add zip code field
Update nav menu
Framework upgrade
Fix login issue
Add new report
Performance fix



The traditional approach

Day 15



The First Way: Smaller batch sizes

Day 1

The Backlog:

Update nav menu
Framework upgrade
Fix login issue
Add new report
Performance fix



Develop:

Add zip code field



The First Way: Smaller batch sizes

Day 2

The Backlog:

Framework upgrade

Fix login issue

Add new report

Performance fix



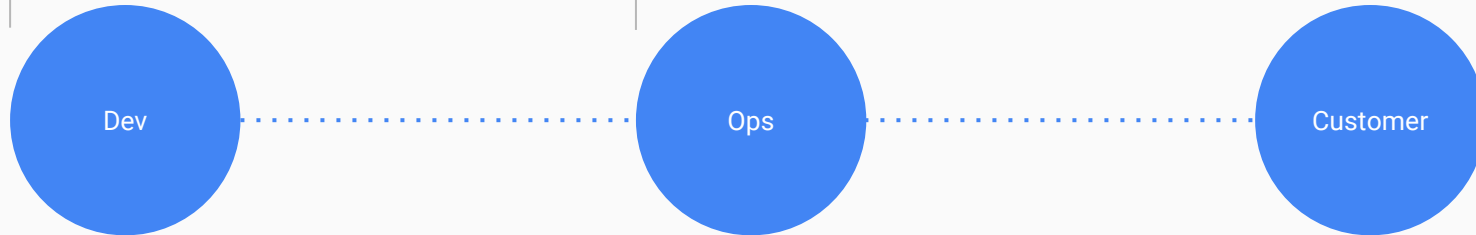
Develop:

Update nav menu



Deploy:

Add zip code field

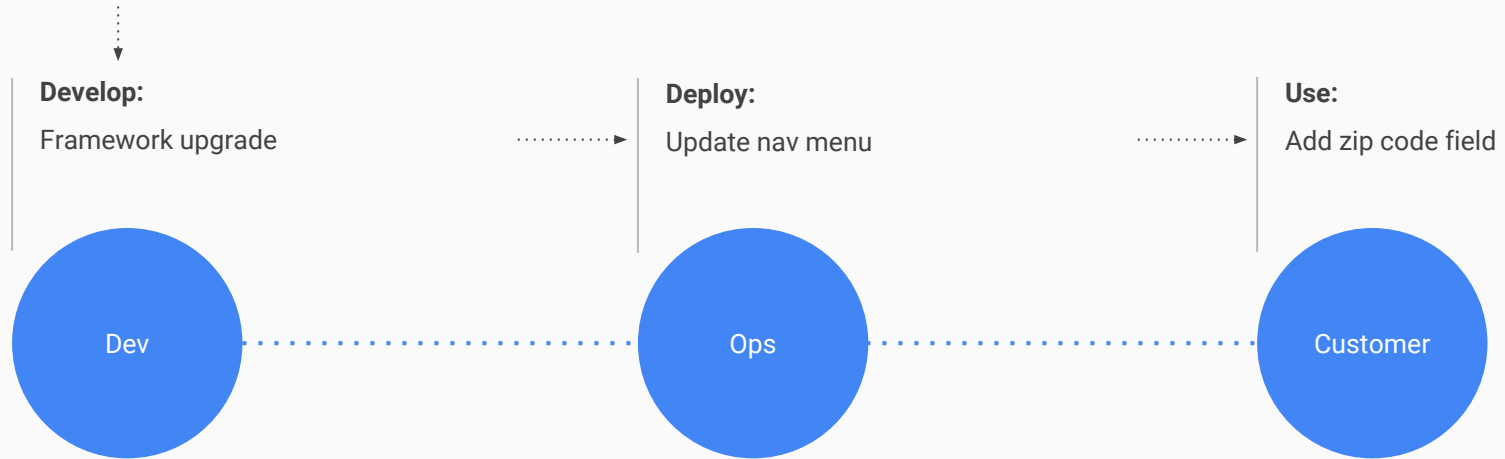


The First Way: Smaller batch sizes

Day 3

The Backlog:

Fix login issue
Add new report
Performance fix



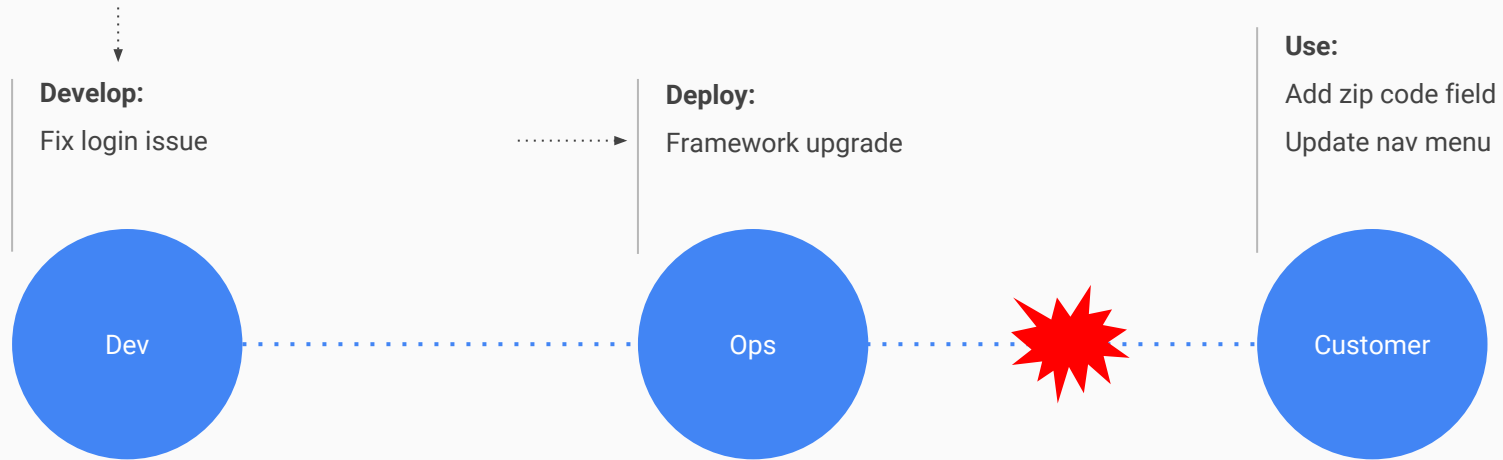
The First Way: Smaller batch sizes

Day 6

The Backlog:

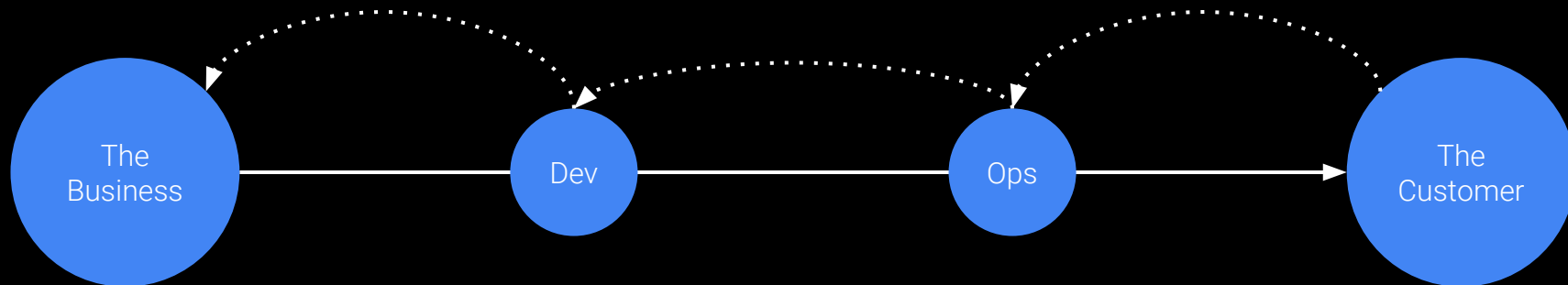
Add new report

Performance fix

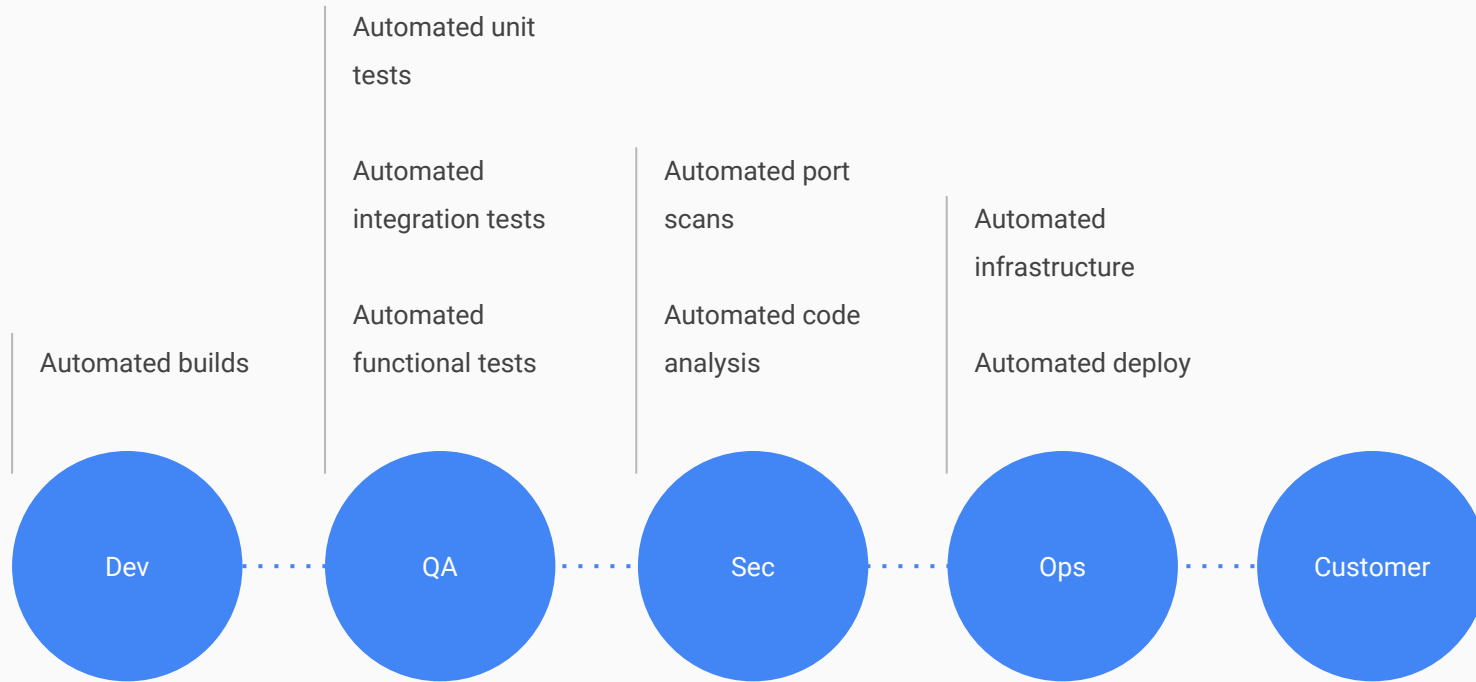


The Second Way

Amplified feedback loops

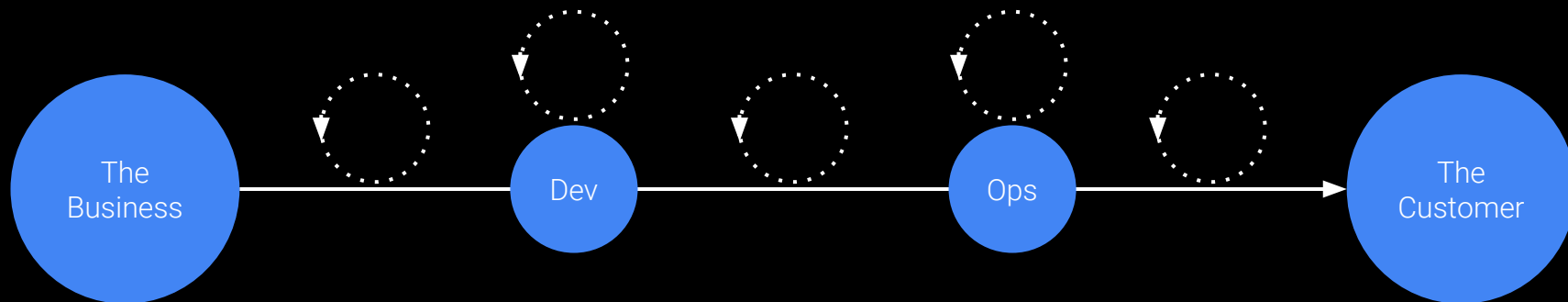


The Second Way: Amplified feedback via automation

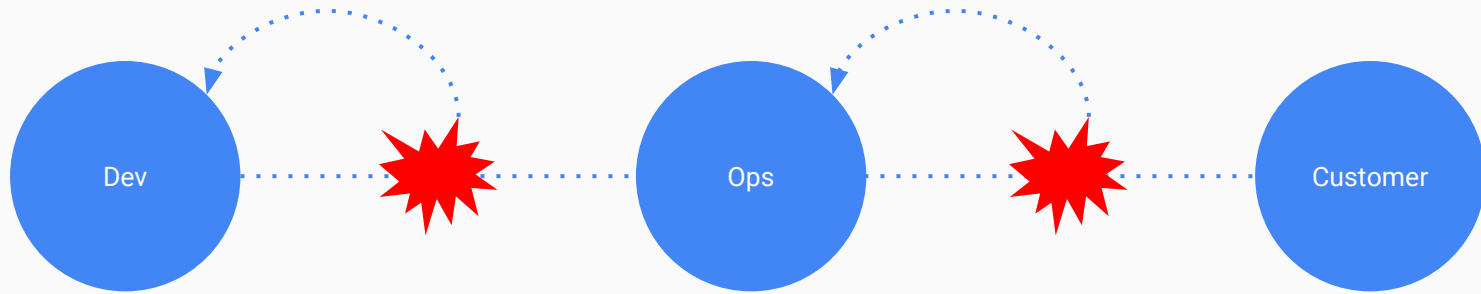


The Third Way

A culture of experimentation and learning



The Third Way: Failure as learning



culture + practices + tools

=

faster delivery + better quality

Thank you!

<https://tech.gsa.gov/guides/>

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