





# OUR STORIES

## when Dev met Ops

Ross Clanton

Heather Mickman

# DevOps@TGT







1,925



**EXPAND**

more stores, more technology



**TECHNOLOGY FOOTPRINT**  
a bit bigger than this guy's

<https://flic.kr/p/gaYY1K>





**COMPLEXITY**

which gold gear did you say?

<https://flic.kr/p/KikA9>

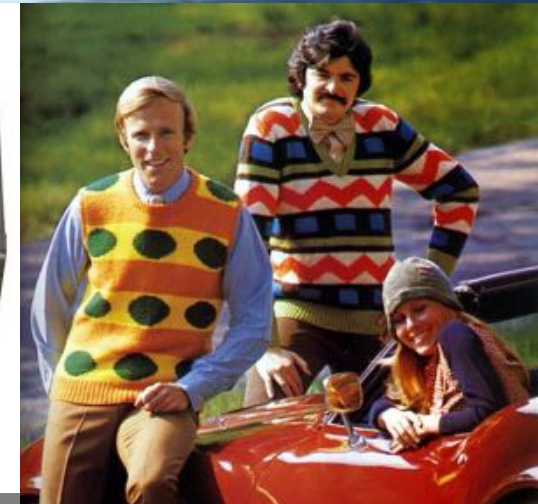
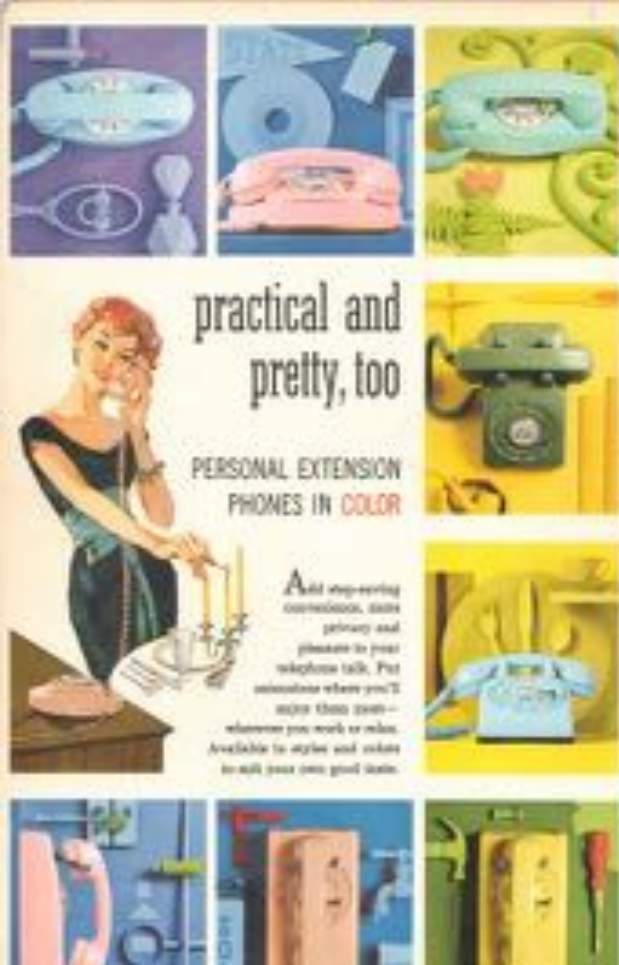


**STRUCTURE**

we <3 silos

<https://flic.kr/p/7KtBa>





**CHANGE HAPPENS**  
things have changed

<https://flic.kr/p/827xtm>  
<https://flic.kr/p/6T6S1D>  
<http://bit.ly/1q47Fx8>  
<http://bit.ly/1keBmw>





**MOVING, MOVING, MOVING**  
things keep changing



**disrupt**

**EVOLVING MARKETPLACE**

brick and mortar meets digital

<http://bit.ly/W4w2O0>



**API**

making core assets easier to use

<https://flic.kr/p/nSzwY1>



# Target wherever you are

f Like 52k

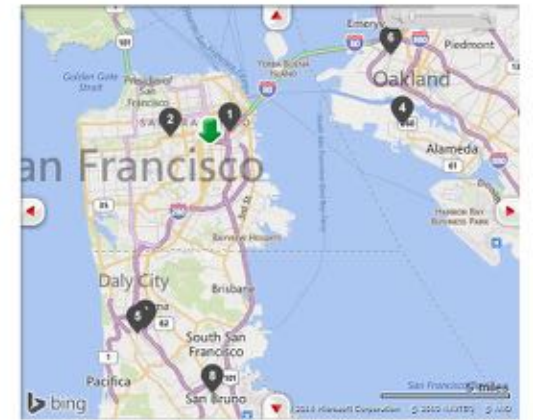


## find other stores

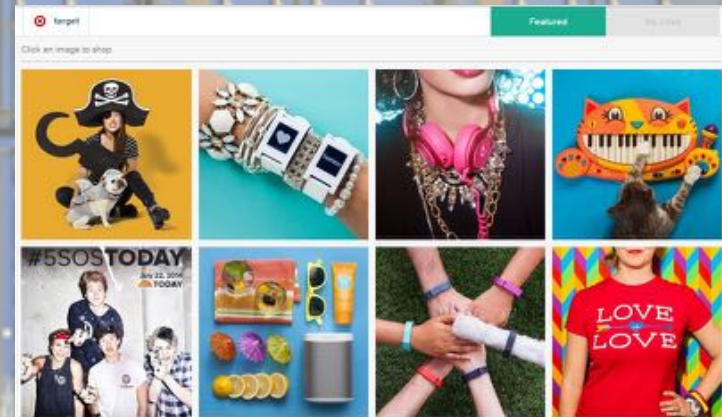
san francisco, ca



- 1 San Francisco Central  
789 Mission St, San Francisco, CA 94103-3132  
make this my store
- 2 San Francisco West  
2675 Geary Blvd, San Francisco, CA 94118-3400  
make this my store
- 3 Colma  
5001 Junipero Serra Blvd, Colma, CA 94014-3217  
make this my store
- 4 Alameda  
2700 Filth Street, Alameda, CA 94501  
make this my store



previous | next



(R)EVOLUTIONARY  
creating new opportunities to delight

<https://flic.kr/p/nSzwY1>  
<https://like2b.uy/target>  
<http://www.target.com>



[the only way forward]

## ALIEN CONCEPTS

<http://bit.ly/1jyXopT>

did someone mention continuous delivery?



**BUT IT'S THE ONLY WAY FORWARD**  
removing roadblocks, constraints

<https://flic.kr/p/bBdyws>





**TALENT**

team awesome



**BUREACRACY**

which gets cut first?

<https://flic.kr/p/dYX1Pk>



**SAFETY ZONE**

building an engineer sanctuary

<https://flic.kr/p/64KZxC>





**TRUST ME**

overcoming stereotypes

<https://flic.kr/p/4XrNW1>



**TOOLS**

every engineers favorite subject

<http://pixabay.com/en/workshop-tool-drill-screwdriver-66823/>

**30+** APIs

**80** deployments per week

monthly volumes **1.5+ billion**

**<10** incidents per month

**SUCCESS**

if you got it, tell it





**ROAD TRIP**

a devops journey



**ONE TEAM, DIFFERENT CLANS**

<https://flic.kr/p/5hZrhd>

too many hand-offs, too little accountability





**FINDING PERSPECTIVE**  
a gateway to devops

Gene Kim Google+  
[Itrevolution.com](http://itrevolution.com)





**CHANGE MINDS**

<https://flic.kr/p/638wPy>


the first step is a doozy



## ROCKSTAR TEAM

getting the band together to rock

<https://flic.kr/p/bwdgxN>

 LEARNING: the ultimate  
game where you never  
run out of levels



**LEVEL UP**

<https://flic.kr/p/bK5ydk>

today's high score = tomorrow's low score





**LEGO™ OPS**

simplifying infrastructure

<https://flic.kr/p/NT667>



## FLASH BUILDS

flash mob + scrum + hackathon = awesome

```
{  
  "pipeline_builds" : 8,710,  
  "job_count" : 1,884,  
  "cookbook_repos" : 270,  
  "team_members" : 134,  
  "team_count" : 30,  
  "direction" : 1  
}
```

**IN THE ACT, NOT AFTER FACT**

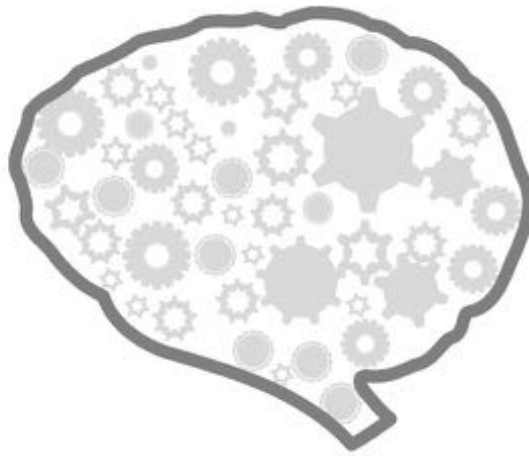
amplify ownership, collaboration, feedback





**DIFFERENT SHOES, ONE DESTINATION**  
(it's always snowy in Minnesota)

<https://flic.kr/p/e25uFN>



# #DevOpsDays

Connect. Share. Learn.

3

events

50

presenters

650+

attendees



8 out of 10 on  
**AWESOME** scale



100% say  
**“Do it again!”**

**DEVOPSDAYS**

#make\_awesome\_happen



**BUILD COMMUNITY**  
making silos fun

<https://flic.kr/p/4HogLN>





## CHALLENGING NORM

as-is  $\neq$  should-be  $\neq$  to-be

<https://flic.kr/p/5RegRd>

# #make\_awesome\_happen

Advancing and enabling conversations regarding DevOps and Automation



208  
Readers

3,764  
Page Flips

109  
Articles



Flipboard



<http://flip.it/4sJVc>

MY MAGAZINES / #MAKE\_AWESOME\_HAPPEN



## FLIPPING OUT

# #make\_awesome\_happen



**SET A NEW COURSE**  
enabling change

[wikimedia.org coastal navigation with dead reckoning](https://commons.wikimedia.org/wiki/File:Coastal_navigation_with_dead_reckoning)





**EMPOWER TECHNOLOGISTS**

they like to be free to be

<https://flic.kr/p/aoJ8Jm>



<http://target.github.io/>

**USE OUR OUTSIDE VOICE**

share the awesome with the world



**START SOMETHING**

<https://flic.kr/p/6tWQJp>

amazing things just need a place to grow





**CREATE A CULTURE**  
that everyone wants to catch



**TAKE THE LEAP**  
it's working for us

<https://flic.kr/p/2VTXqC>

A hand is reaching up from a field of tall, dry grass. The hand is positioned in the center-left of the frame, with fingers spread. The grass is a mix of yellow and brown, suggesting it might be autumn or a dry season. The background is a dense field of this grass, slightly out of focus.

# Accelerating DevOps Transformation

aligning incentives and  
shifting to a “blameless culture”

**#MAKE\_AWESOME\_HAPPEN**

here's what we'd like help on

<https://flic.kr/p/6HiaNh>



# DevOps@TGT



This presentation contains numerous images from sources outside of Target, including those accessible via Copyright Commons internet sites.

No copyright, trade or service mark infringement is intended.

The only modification made to any image would be a matter of cropping to fit within space provided.

Slides where no link to the source is indicated are either from Target or Microsoft Office.

© 2014 Target Brands, Inc. Target and the Bullseye Design are registered trademarks of Target Brands, Inc.

**COPYRIGHT NOTICE**

we'd like to thank ...