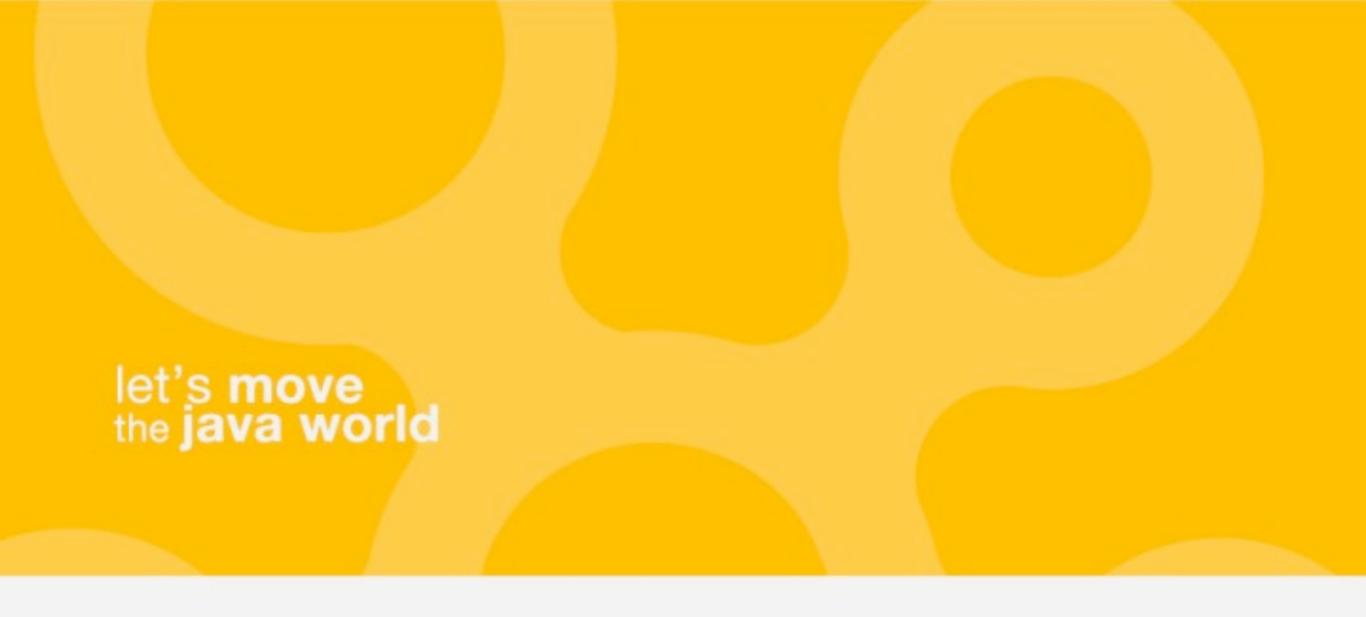


Continuous Delivery Antipatterns

Andrzej Grzesik, Marcin Sawicki





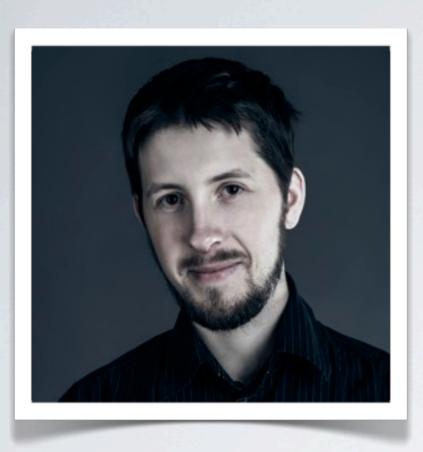
cd antipatterns; Is -al

Andrzej Grzesik, Marcin Sawicki



START

CONTINOUS DELIVERY ANTIPATTERNS



@ags313
andrzej@grzesik.it
andrzejgrzesik.info

Andrzej Grzesik



MY OPINIONS ARE MY OWN

disclaimer

ABOUT:ME



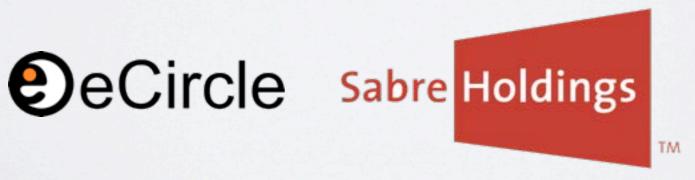














I HATE COMPUTERS

disclaimer



Marcin Sawicki

@odcinek odcinek@gmail.com

ABOUT: MARCIN

Recently

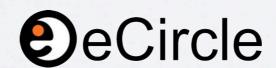






Past







TWITTERS/GITHUBS: ODCINEK

I HATE COMPUTERS

disclaimer

COINCIDENCE?

#GEECON

keep on tweeting!

QUESTIONS?

NO! 42 IT DEPENDS

answers

QUESTIONS?

ask them right away!

TL; DR: RELEASE MORE OFTEN!

and don't listen to 'no-can-do's

SOFTWARE

is a people problem

INTHE BEGINNING

Our highest priority is to satisfy the customer through early and continuous delivery of valuable software.

Our highest priority is to satisfy the customer through early and continuous delivery of valuable software.

Our highest priority is to satisfy the customer through early and continuous delivery of valuable software.

agile manifesto, 200 l

DELIVERY IS ORGANIZATION-SPECIFIC

PRIORITIZE PROBLEMS

FIX FIRST

REDO THE LIST

A LONGTIME AGO IN A GALAXY FAR, FAR AWAY...

SYSTEM (TM)

DEVELOPERS



PUSHTHEIR CODE

SITE BREAKS

SITE BREAKS

for two days

DURING HOT SEASON

ALL ROLL-BACK!

TO WHERE?

FROM WHERE?

GIT PUSH -- FORCE PROD

#randomhashisbetterthannone

DO: --VERSION

DO: KNOW WHAT IS WHERE

MULTIPLE REPO IS OK

one for dev, one for releases

GLU

https://github.com/pongasoft/glu

Dashb	oar	d	Agents Depi	oyments	Model	Admin	ad	lmin H	elp	glu-de	w-1 All [p	roduct]
c1 clu	ster	-	Plans C	Customize	chan	ge dashbo	ard	r	filters			remove a
Model 5	bf	if87	cb1 [Tutorial Sy	stem Mode	Sum				Filt	er [x] me	tadata.cluste	
						add a	filter				Ar a	group by
cluster	1:2	E:0	mountPoint:2	agent:1	ta	ags:3	-	contain	er:1	version:1	product:1	status:1
c1	2	0	/sample/i001	agent-1	frontend	osx webap	P	samp	le	1.0.0	product1	running
			/sample/i002	agent-1	frontend	osx websp		samp	0	1.0.0	product1	running

CONCLUSION:



RELEASES == RISK

let's avoid them!

WHAT DO YOU GET?

STAGNATION CREEPS IN

QUIET PERIODS

RELEASE 'TRAINS'

RC, BETA, GOLD

WHATTO DO?

DO: INVOLVE BUSINESS

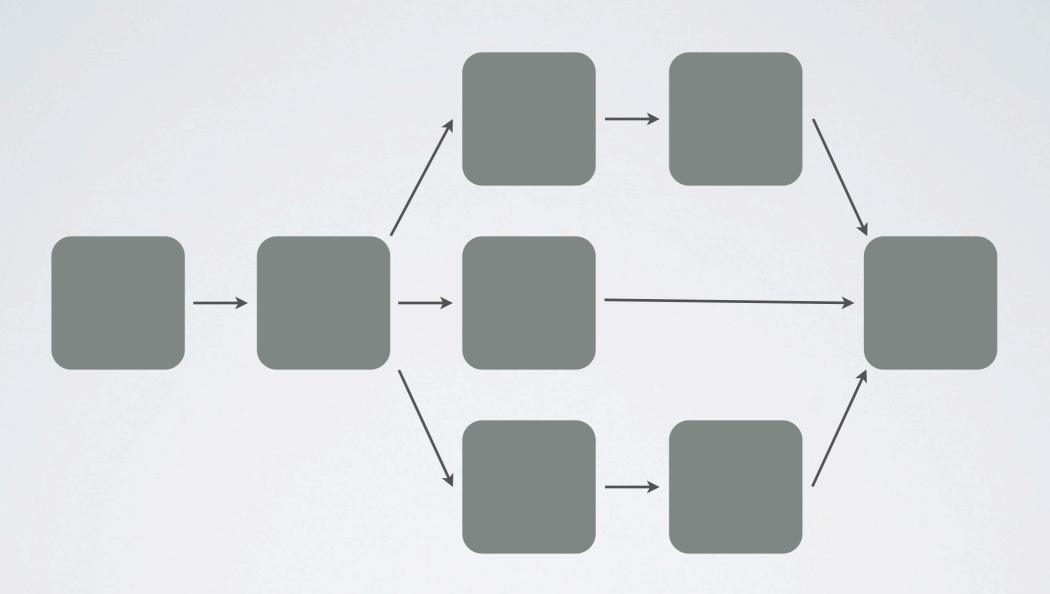
a.k.a. 'manage stakeholders'

SMALL CHANGES SHOULD HAPPEN QUICKLY

good selling point

OK, LET'S HAVE A PIPELINE OK, LET'S HAVE A PIPELINE

IT'S SLOVV



PARALLELIZE

WHICH PART?

BADTHING: COMPILING 'RELEASE' (AGAIN)

USES SCPTO DEPLOY

HOW DO I REPLICATE PRODUCTION?

AFFECTS COMPILED ARTIFACTS MORE

RELEASETEAM

dealing with 'danger'

LIKES TO BE MANUAL

'job security'

USVSTHEM

'leave my alone, I'm important'

RELEASE PROCESSES

CURIOUS RELEASE PROCESSES

WORK EXPANDS SO AS TO FILL THE TIME AVAILABLE FOR ITS COMPLETION

Parkinson's Law

LEADTO

UNOFFICIAL RELEASES

UNOFFICIAL RELEASES

(don't do them)

BUNKERS



WHATTO DO?

BREAK && INTEGRATE

GAMES ARE AWESOME!

INFRASTRUCTURE

WE USE CHEF, WE'RE SAFE

AUTOMATE EVERYTHING!



@DEVOPS_BORAT





To make error is human. To propagate error to all server in automatic way is #devops.







Reply Retweet * Favorite

729 RETWEETS

FAVORITES



















4:55 PM - 26 Feb 11 via Mobile Web · Embed this Tweet

DID YOU TEST?

Bring Behavior-Driven Development to Infrastructure as Code



O'REILLY®

Stephen Nelson-Smith

FOOD CRITIC

lint for chef

PUPPET VS CHEF VS?



BUILD YOUR ENVIRONMENT

SLOV?

SLOV?

yes!

YES

PARALLELIZE

MAKEYOUR

RUNTIME UPGRADE



Did Rails have a major security flaw today?



See why

Recent history

RUBY

RVM





Page did not respond in a timely fashion.

Check Twitter for status alerts.

Either you found a page that took too long to render or we're getting more requests right now than we can handle.

You can try refreshing the page, the problem may be temporary.

Learn how to deal with GitHub outages and other access problems.

T-Shirts | Blog | Support | Git Training | Contact | Georgie Group | Status GitHub is Logical Awasoma (12009 | Terms of Senace | Privacy Policy



	Release	Release Date
	Java SE 7 ^[98]	2011-07-28
L	Java SE 7 Update 1 ^[99]	2011-10-18
	Java SE 7 Update 2 ^[100]	2011-12-12
Г	Java SE 7 Update 3 ^[101]	2012-02-14
	Java SE 7 Update 4 ^[103]	2012-04-26
	Java SE 7 Update 5 ^[104]	2012-06-12
	Java SE 7 Update 6 ^[106]	2012-08-14
	Java SE 7 Update 7 ^[108]	2012-08-30
П	Java SE 7 Update 9 ^[109]	2012-10-16
	Java SE 7 Update 10 ^[111]	2012-12-11
	Java SE 7 Update 11 ^[112]	2013-01-13
	Java SE 7 Update 13 ^[114]	2013-02-01
	Java SE 7 Update 15 ^[115]	2013-02-19
	Java SE 7 Update 17 ^[116]	2013-03-04
	Java SE 7 Update 21 ^[117]	2013-04-16

INTERNET

NEED INTERNET TO BUILD?

OF COURSE!



RUBYGEMS.ORG CPAN.ORG MAVEN.ORG

go down!

NO

CANYOU?

PROXY

anyone?

MAKEYOUR BUILD RUN WITHOUT INTERNET

APPLICATION AND ENVIRONMENT

SAVETIME AND NERVES

DESKTOPS



FIREFOX IS UPDATING

and you can not use it

MOBILE APPS

WEBVIEW IS NICE

FREQUENT RELEASES

make your user curious

MAKE USERS SAY BYE

CHANGE BACKEND YOU CAN

ASK IF NEW FEATURES THEY WANT

FORCING DOESN'T WORK

RELEASES

give us

FEEDBACK!

OPS



DEPLOYMENTS



DEPLOYMENTS

DO YOU TRACK THEM?

WHO AM !?

FAILED DEPLOYMENT PROCEDURE

ROLLBACK? OR DOWNTIME?

GLU

https://github.com/pongasoft/glu

Dashboard		d	Agents Depl	oyments	Model	Admin	ad	lmin H	qle	glu-de	ev-1 All [p	roduct]
c1 clu	ster	v	Plans (Customize	chang	ge dashboa	erd	re	move all filters			remove a filter
Model 5	bfo	if87	cb1 [Tutorial S	ystem Mode	Sum	mary add a			Filter	[x] met	tadata.cluste	r='c1'[x]
cluster	1:2	E:0	mountPoint:2	agent:1	ta	gs:3		containe	r:1 ve	rsion:1	product:1	status:1
c1	2	0	/sample/i001	agent-1	frontend	osx webap	p	* sample	е	1.0.0	product1	running
			/sample/i002	agent-1	frontend	osx webap		sample	9	1.0.0	product1	running

DO:TESTYOUR ROLLBACK

ASYOUTESTYOUR BACKUPS

DATABASE CHANGES

EASY TO DEPLOY?

STATE

LONG RUNNING

SAGAS?

ENVIRONMENTS

DO: APP IS ENV AWARE

LOVE PARTIAL FAILURES

DO: BUILD IN SWITCHES

DEVENV

AUTOMATE IT!

RELEASE!

RELEASE

...the Kraken



KTHXBYE









RESOURCES

http://lmgtfy.com/?q=continuous+delivery

http://continuousdelivery.com

http://acrmp.github.io/foodcritic/