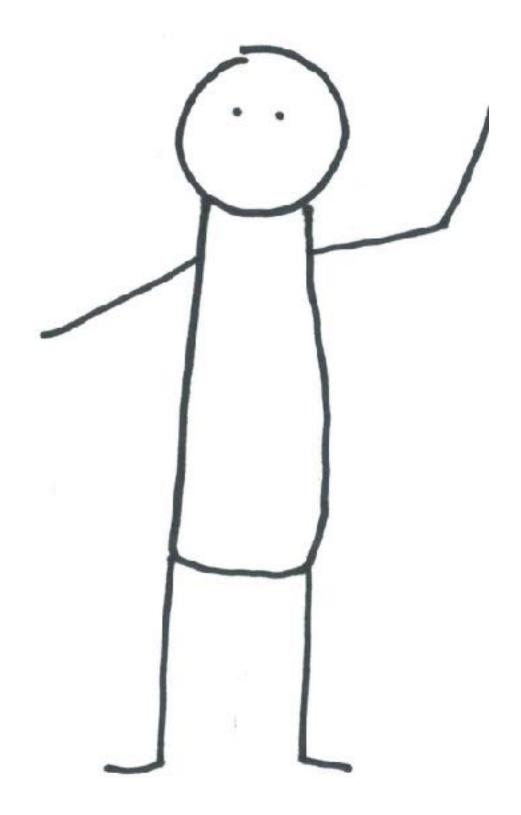
# confessions ocheve contraction of the second seautomation addict **Holly Cummins** @holly\_cummins



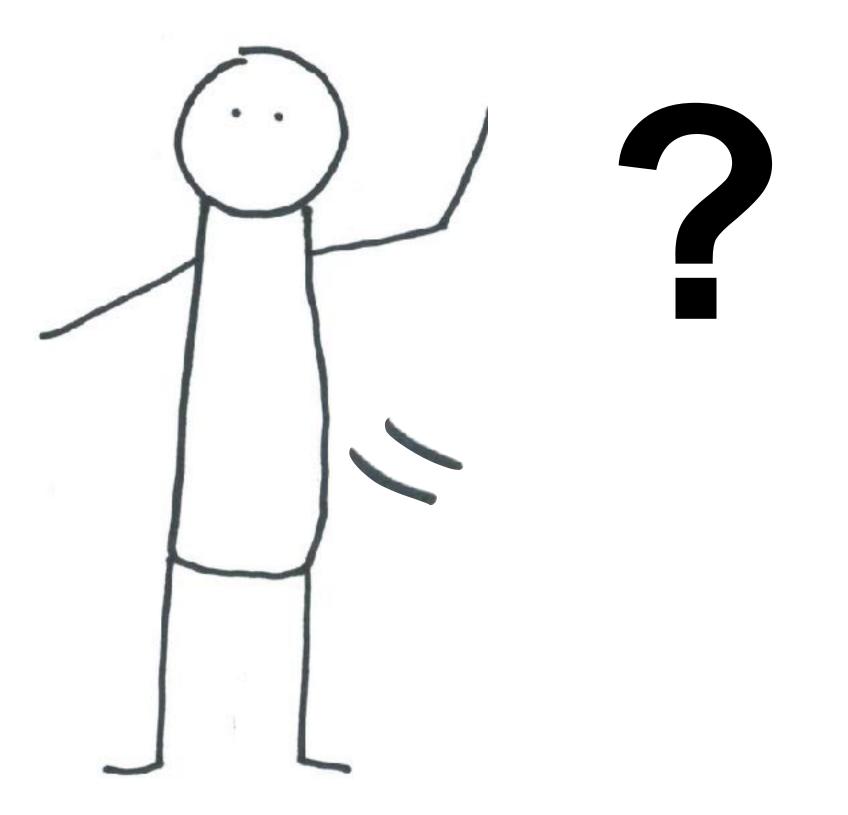










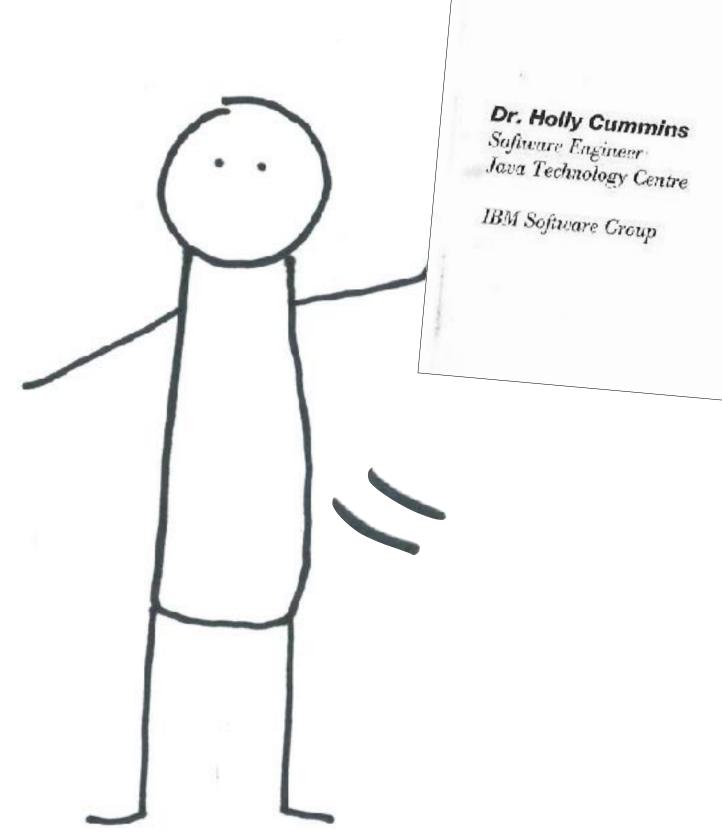














IBM United Kingdom Limited Hursley Park Winchester, Hampshire SO21 2JN

cumminsh@uk.ibm.com

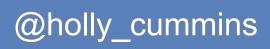














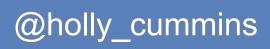
## Share yours too. #automationconfessions













# As developers, we have the power to automate.



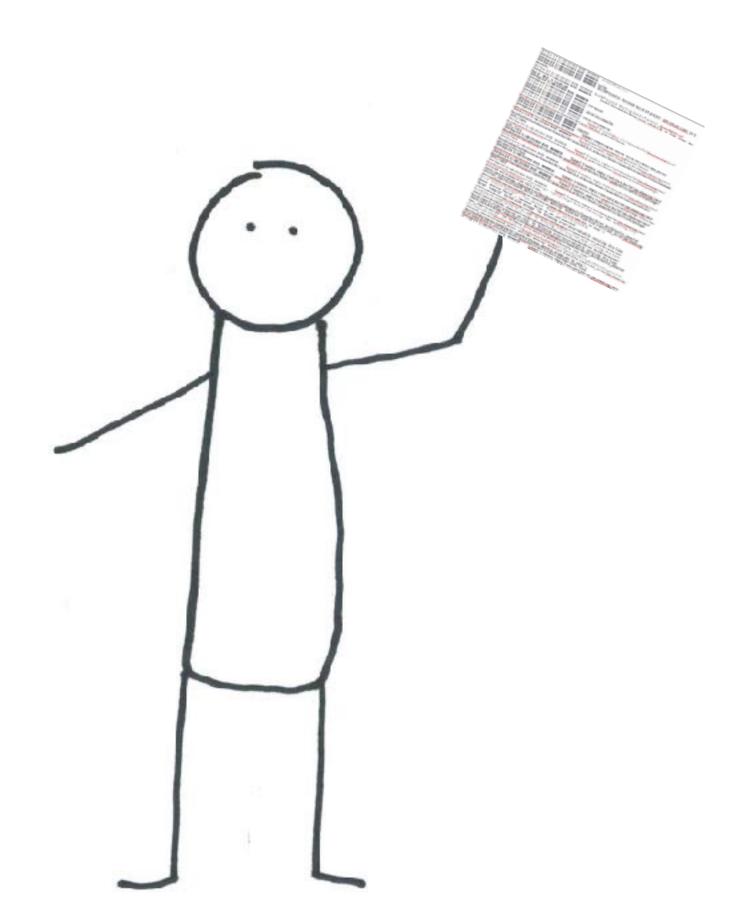


As developers, we have the power to automate. And that's cool.





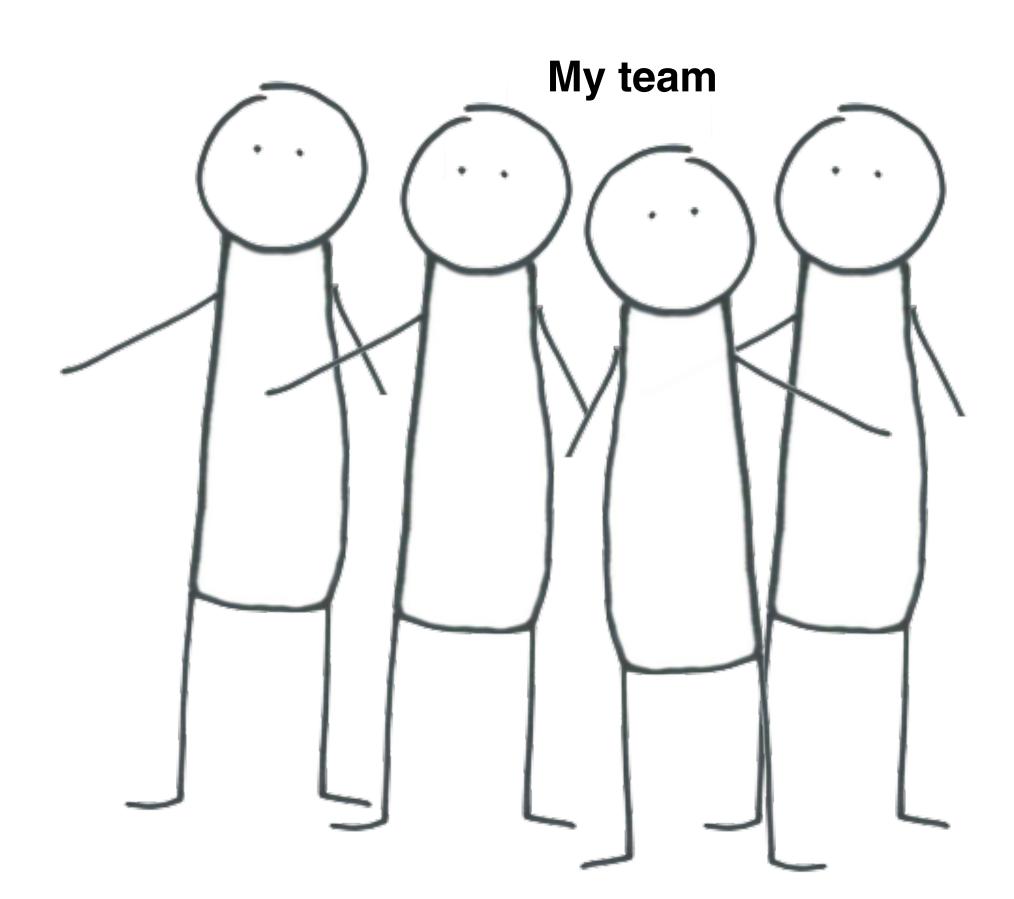


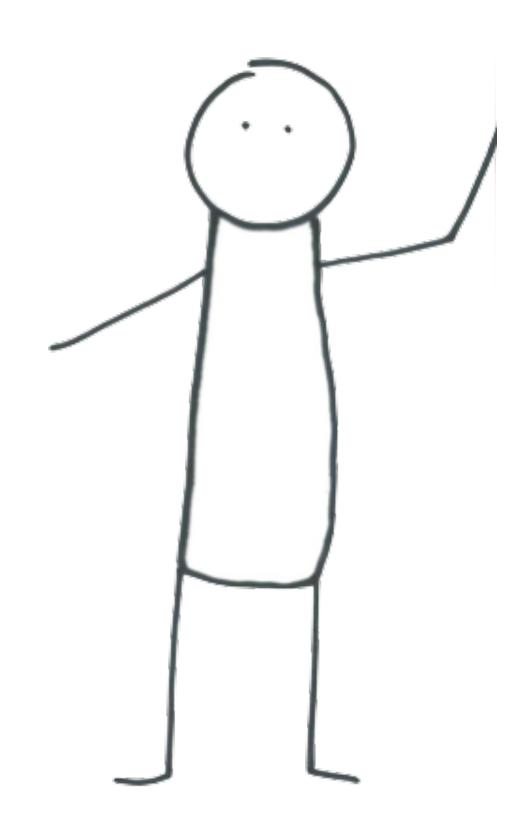








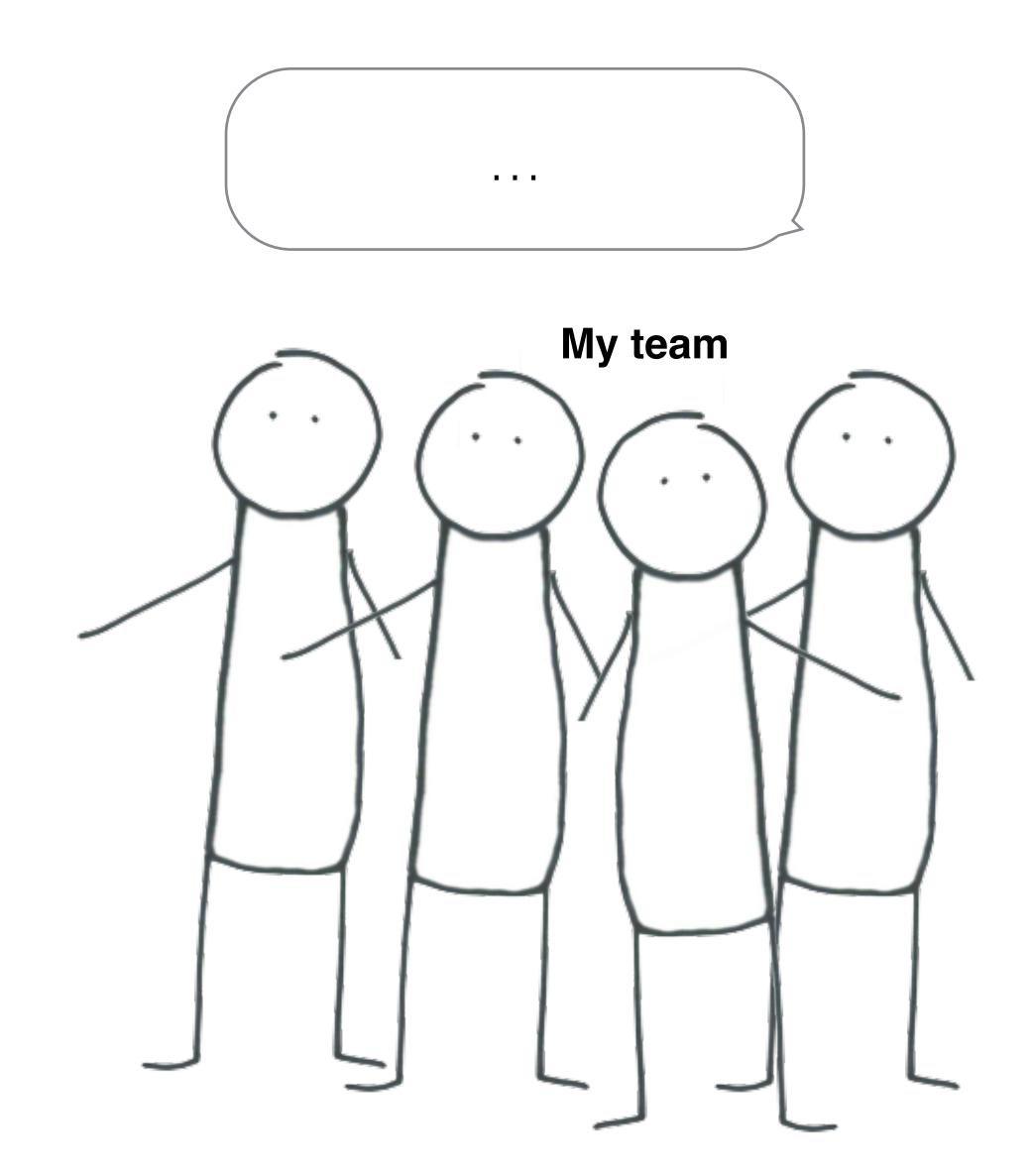


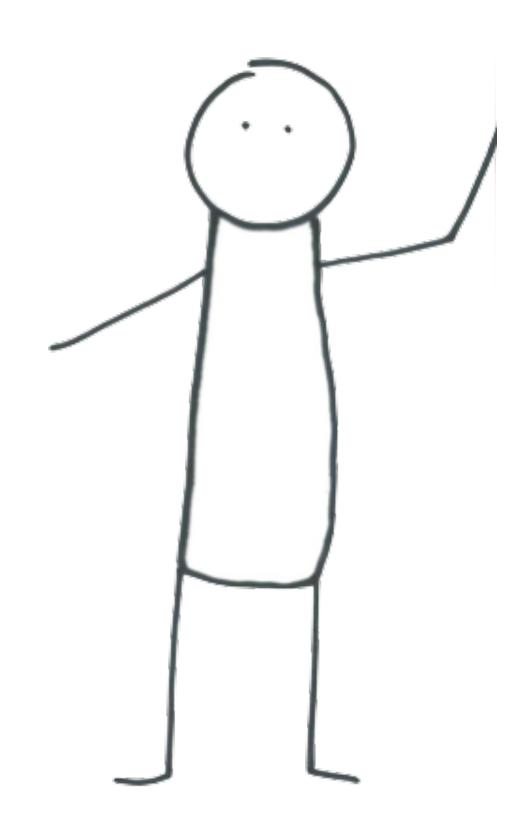








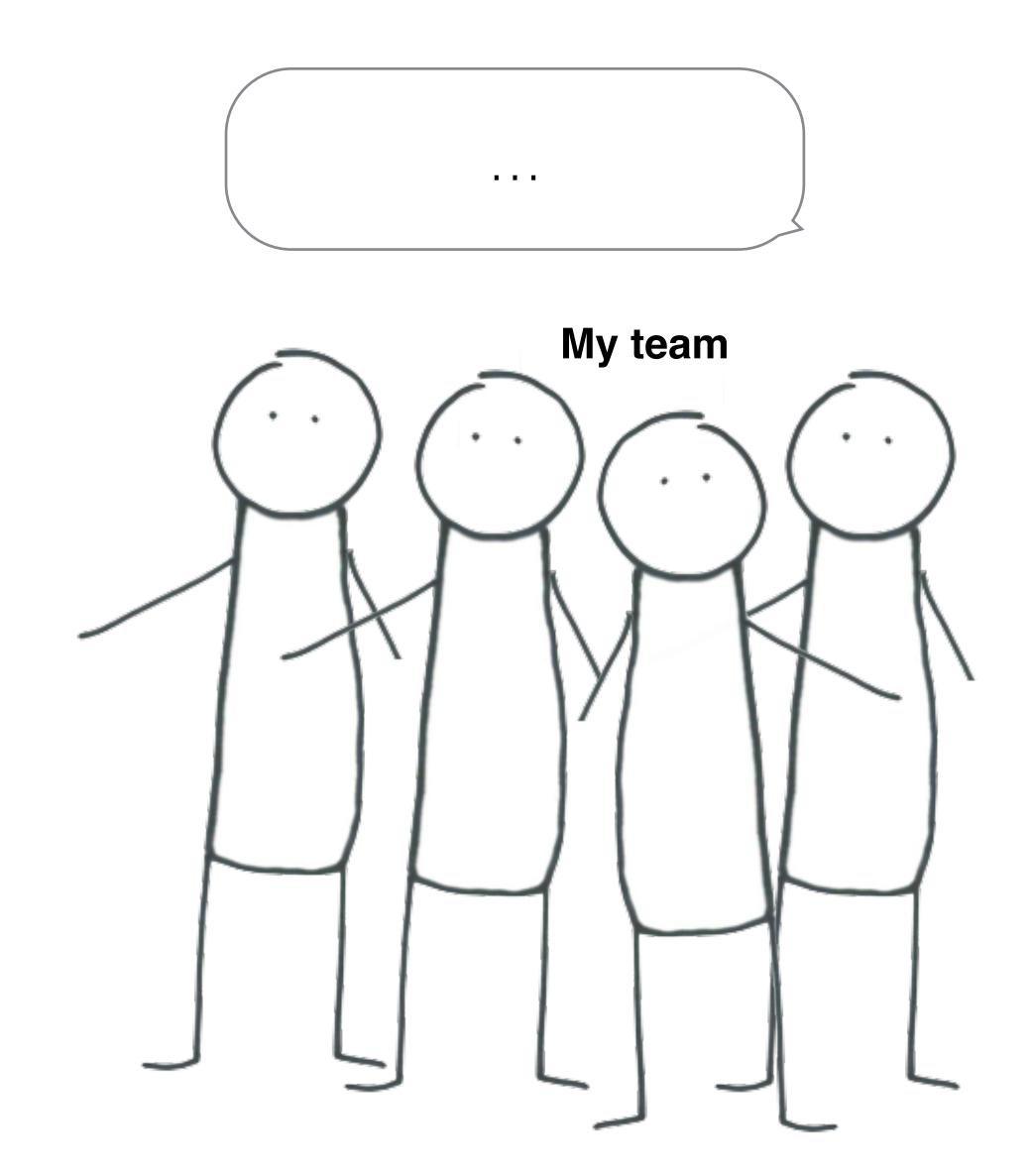


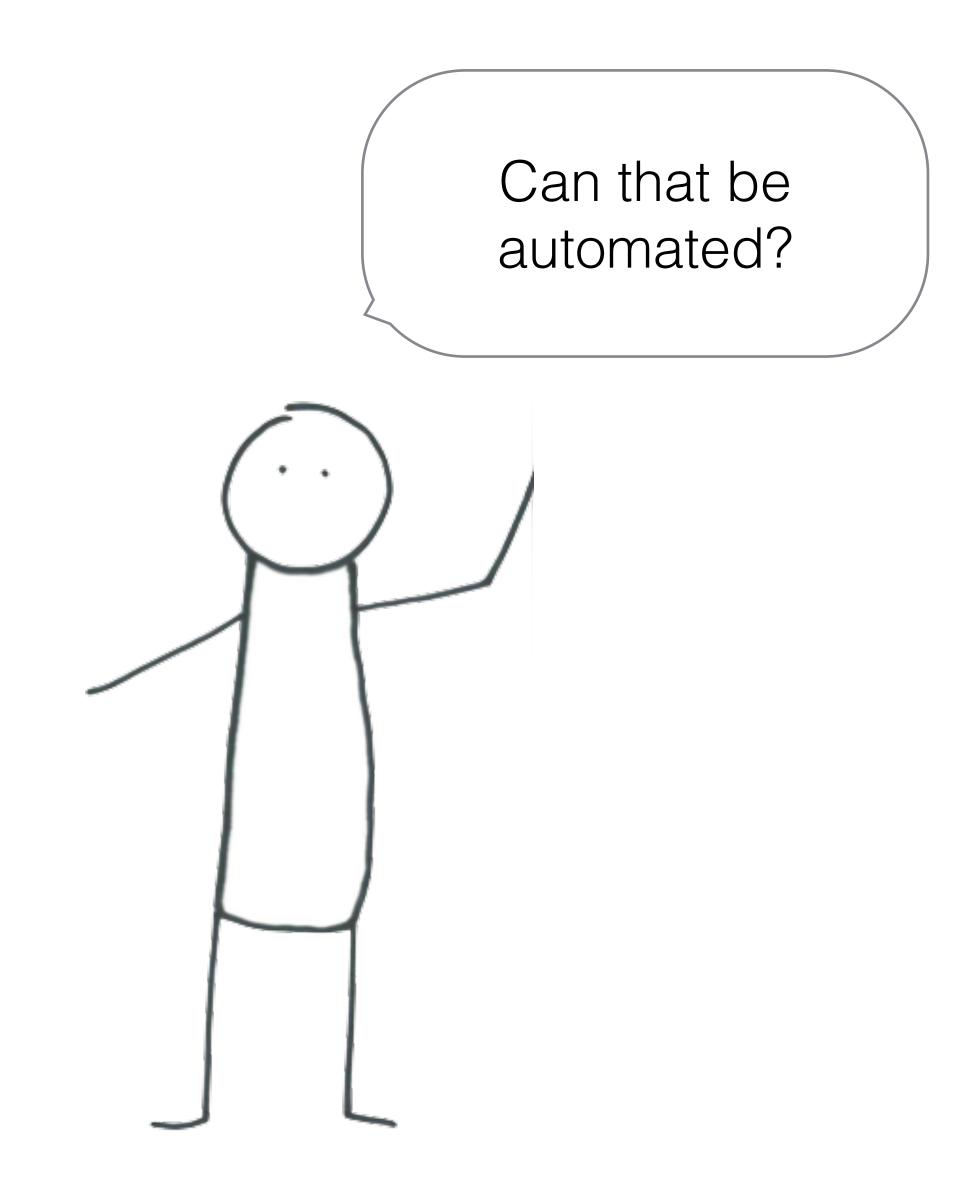






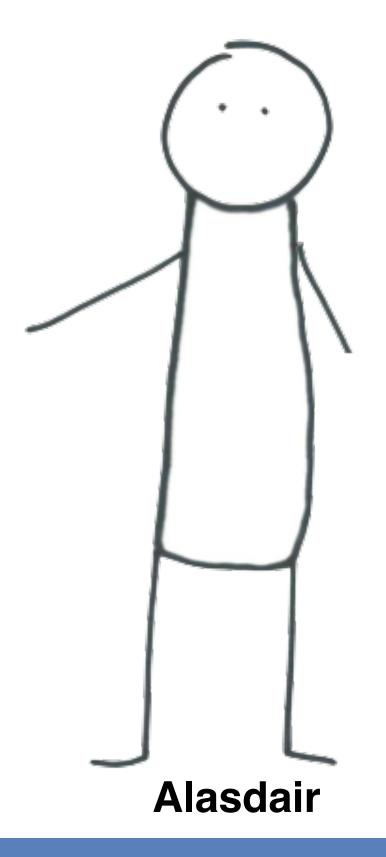


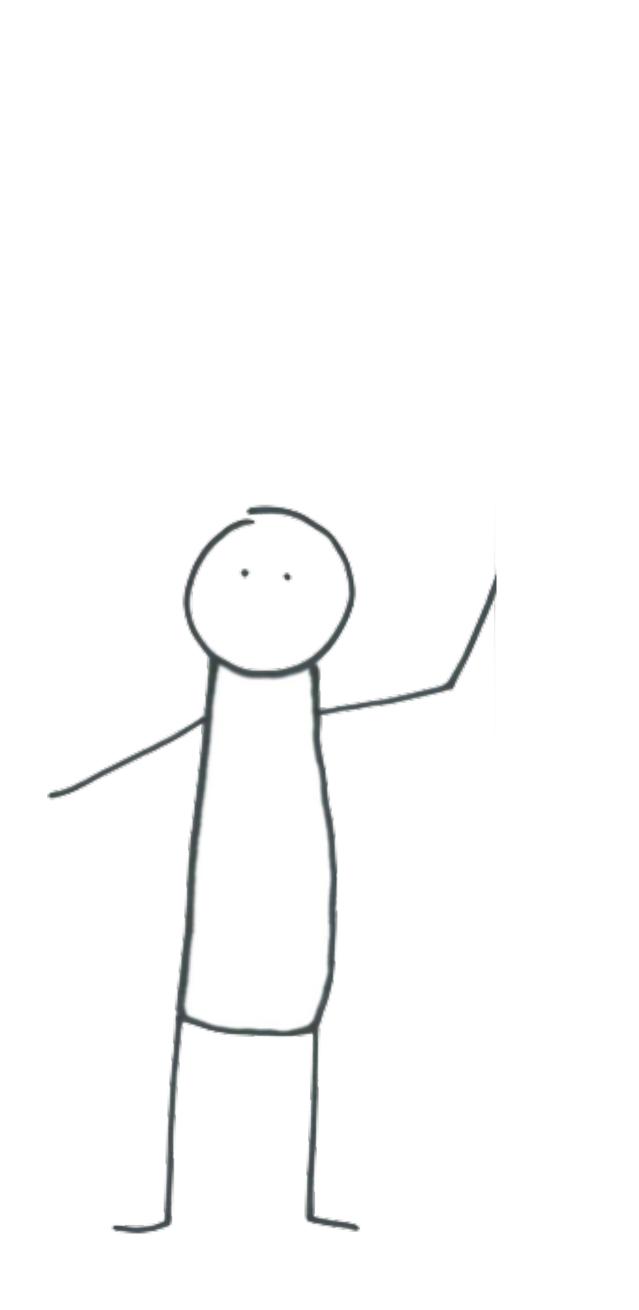




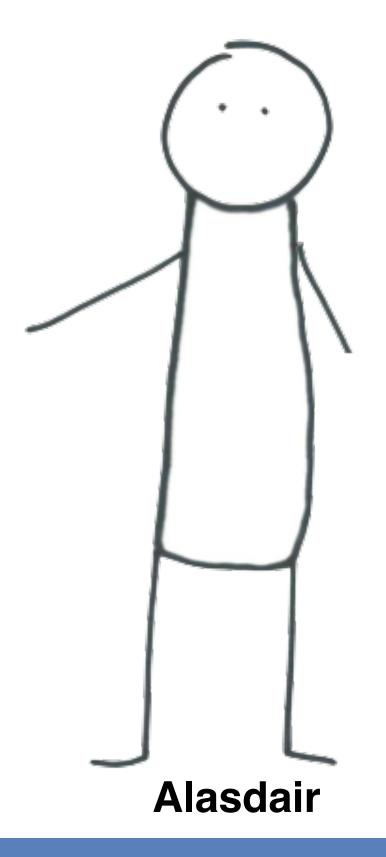




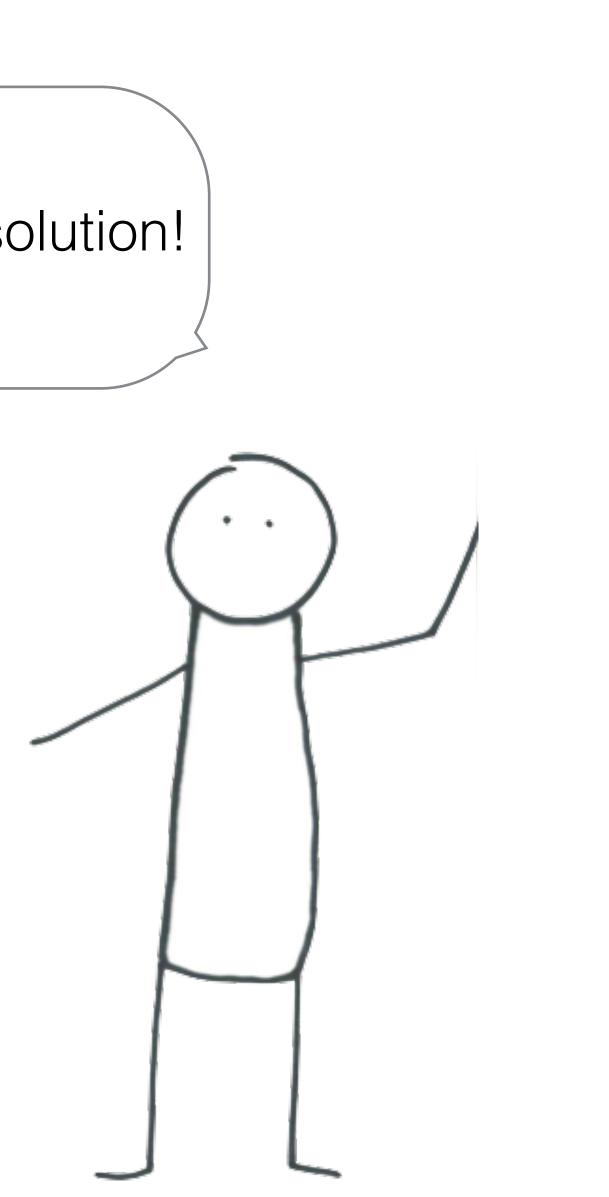






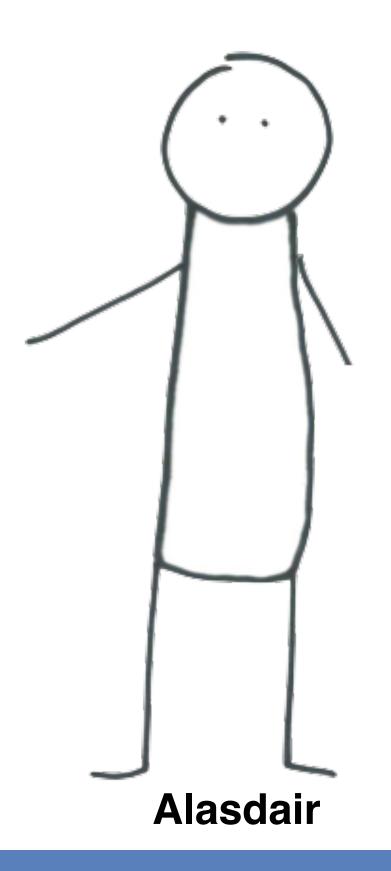


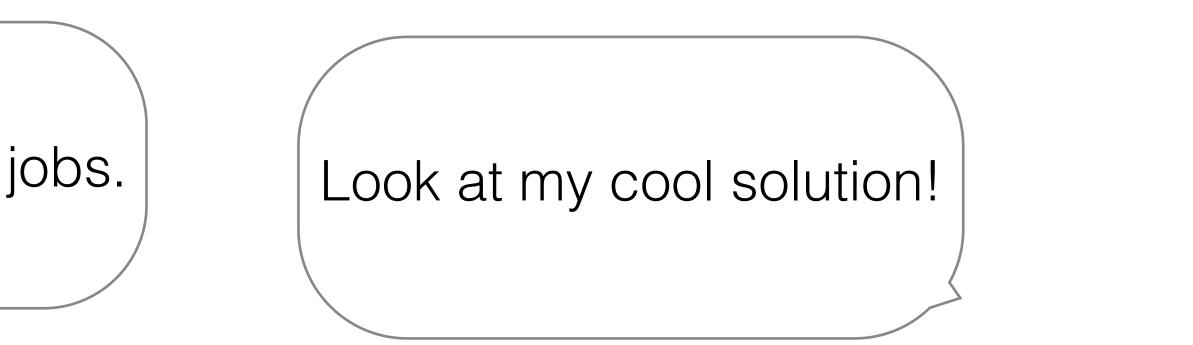
## Look at my cool solution!





### Holly, I give you all the worst jobs.

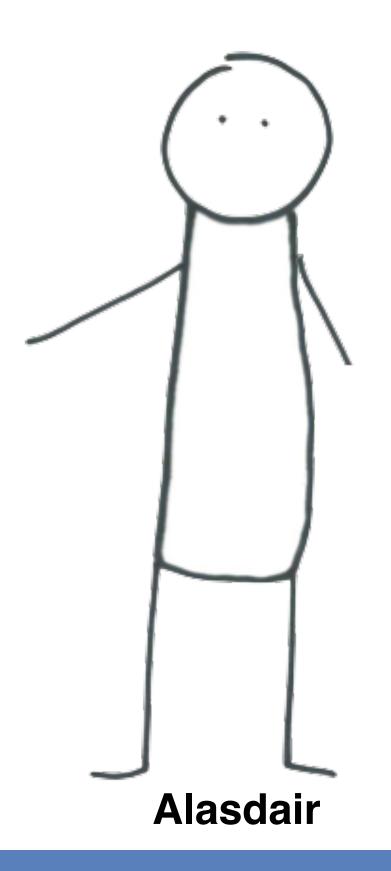


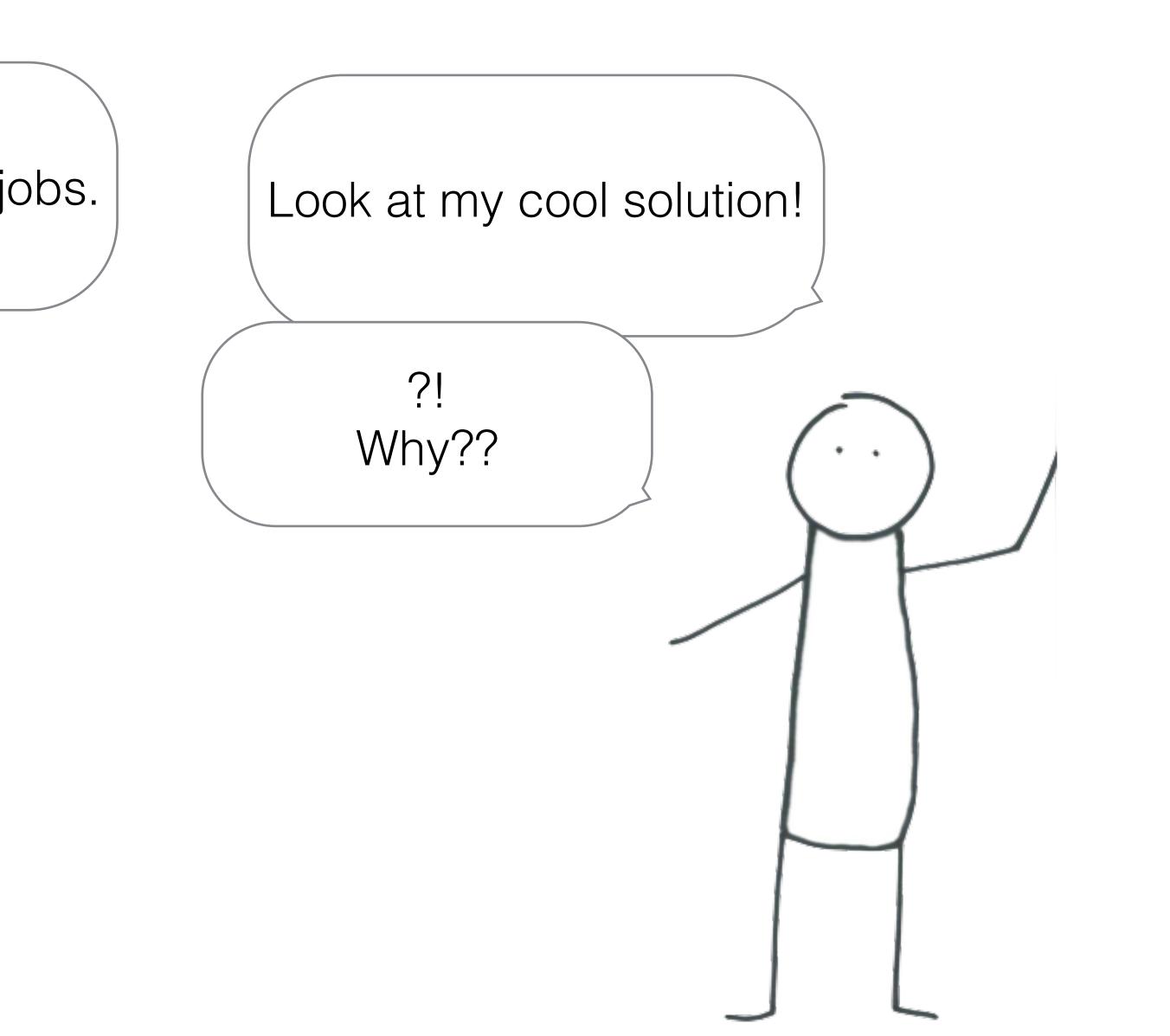




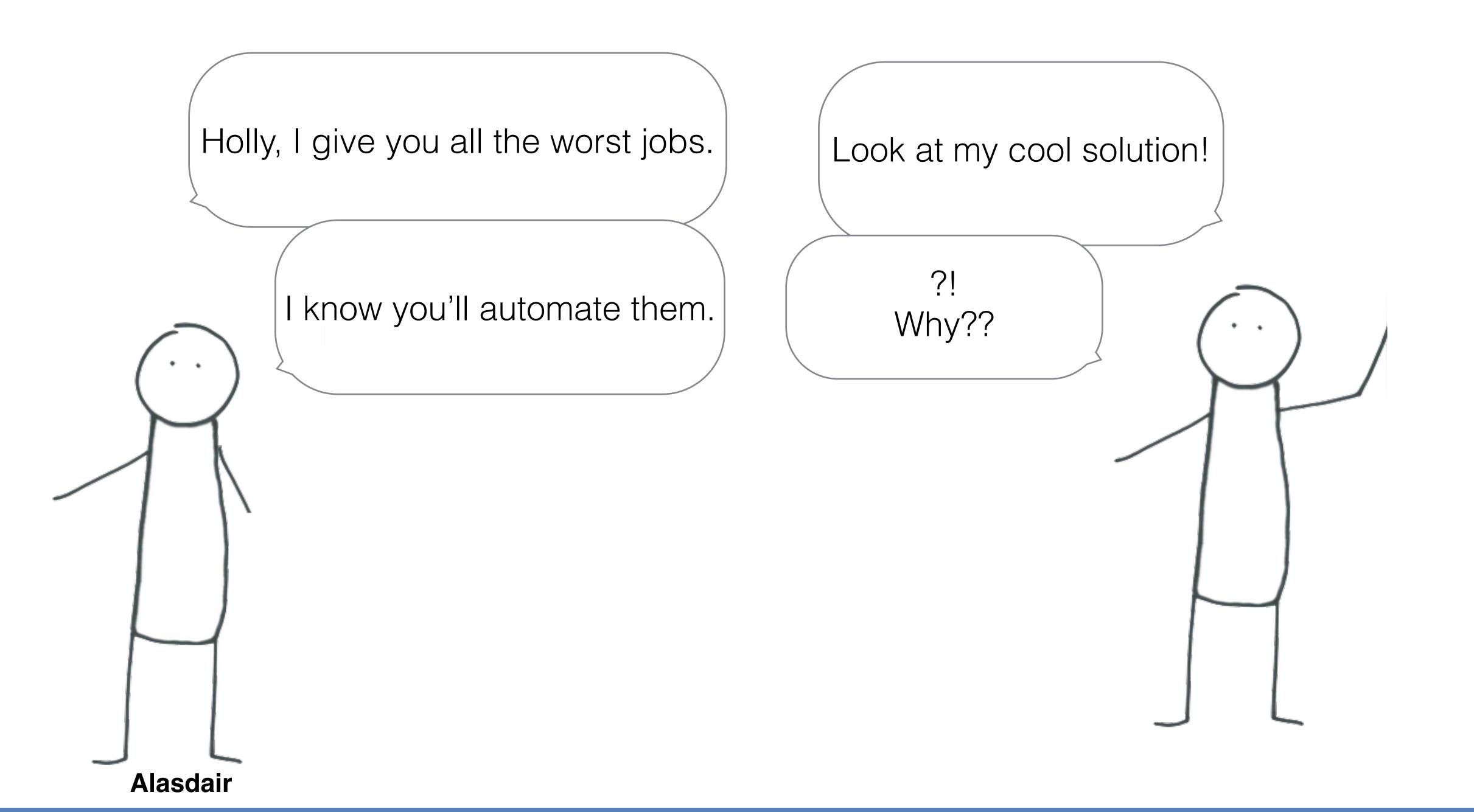


### Holly, I give you all the worst jobs.

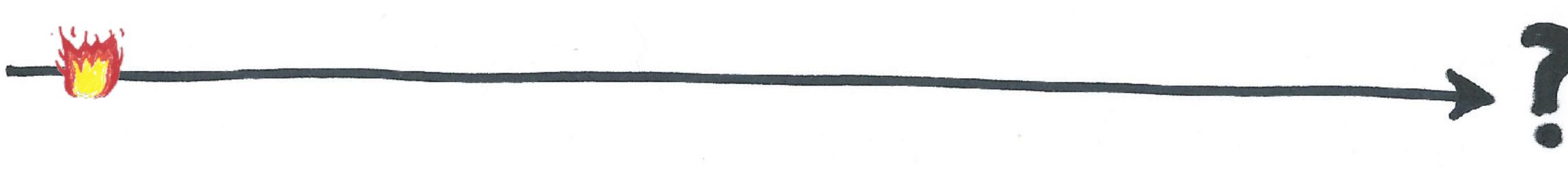












#automationconfessions



@holly\_cummins



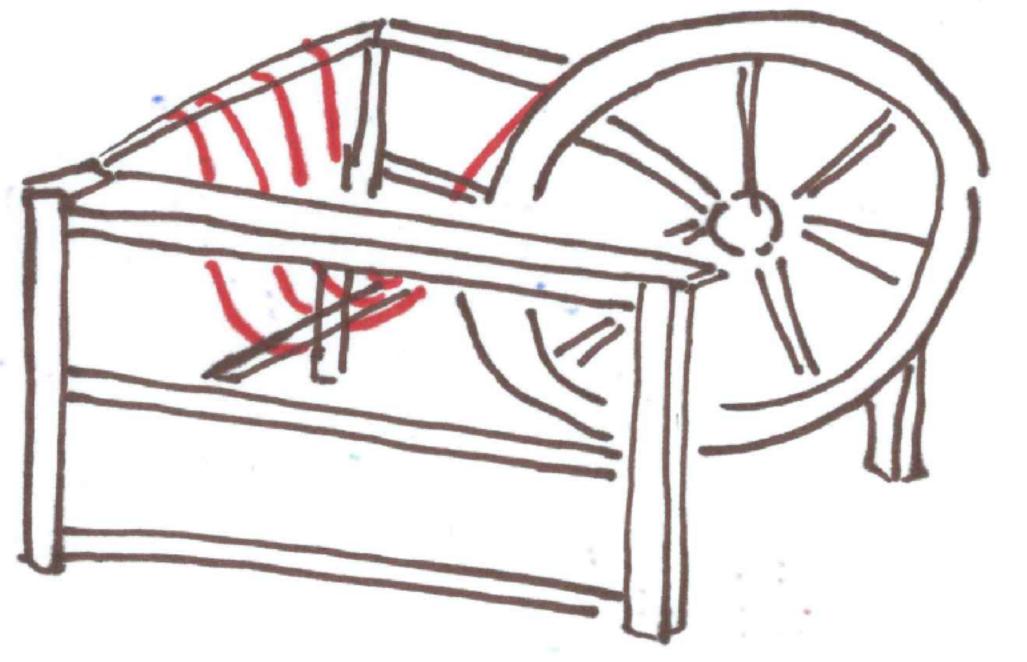


#automationconfessions

[Human history has been *slightly* simplified. Timeline is not to scale.]









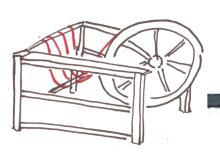
### [Human history has been *slightly* simplified. Timeline is not to scale.]











1764 Spinning Jenny

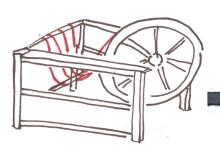
#automationconfessions

[Human history has been *slightly* simplified. Timeline is not to scale.]



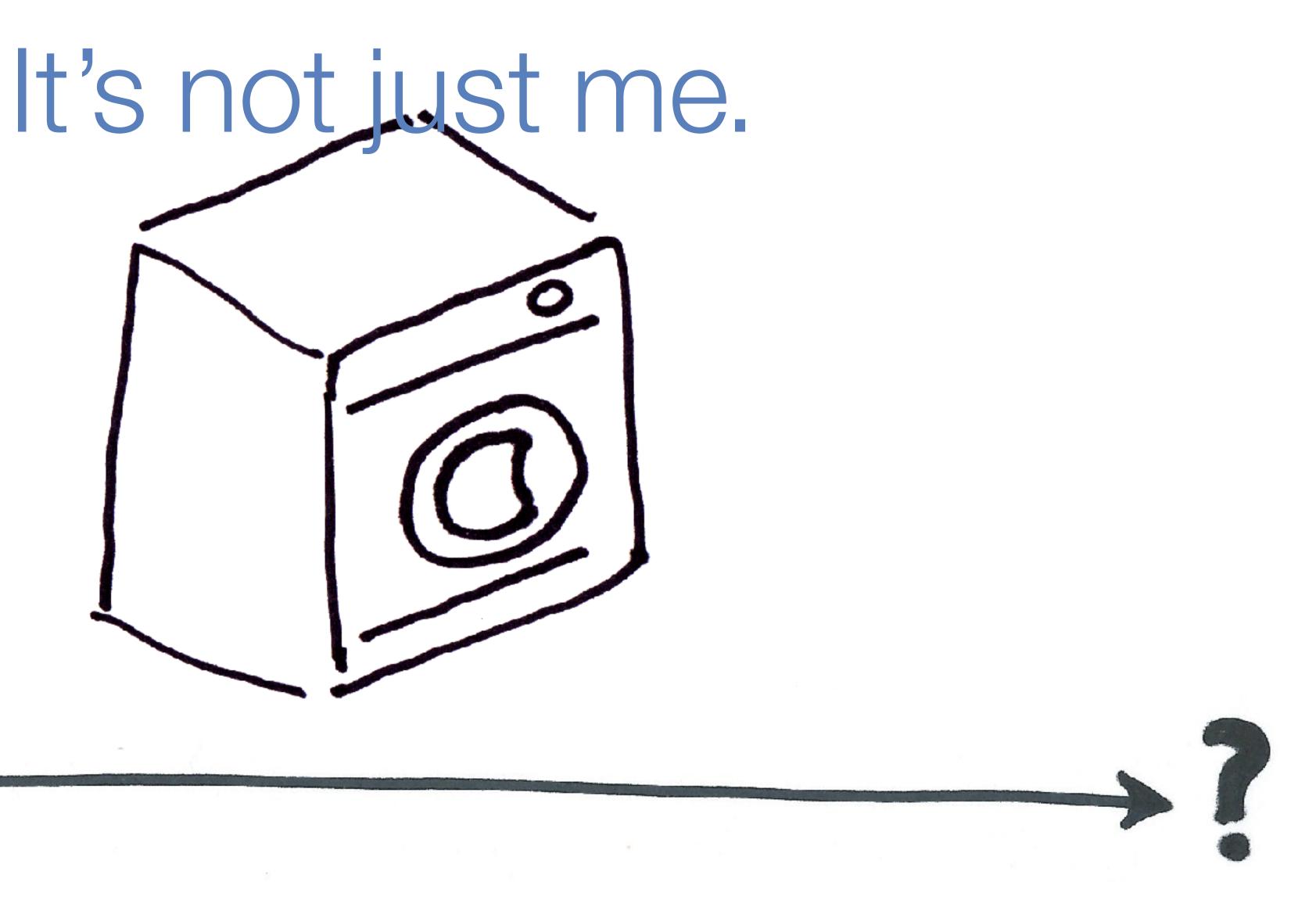




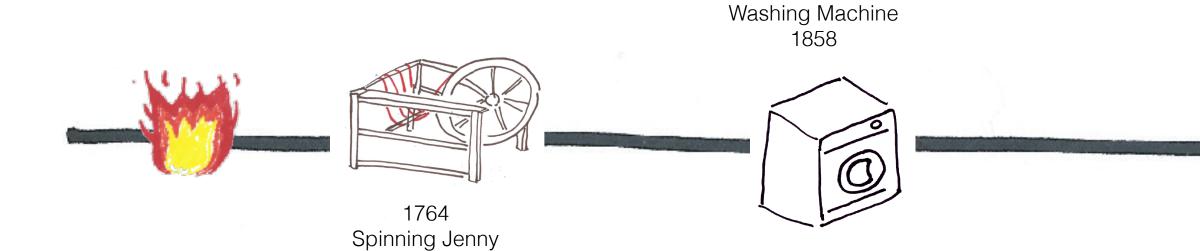


1764 Spinning Jenny

### [Human history has been *slightly* simplified. Timeline is not to scale.]







#automationconfessions

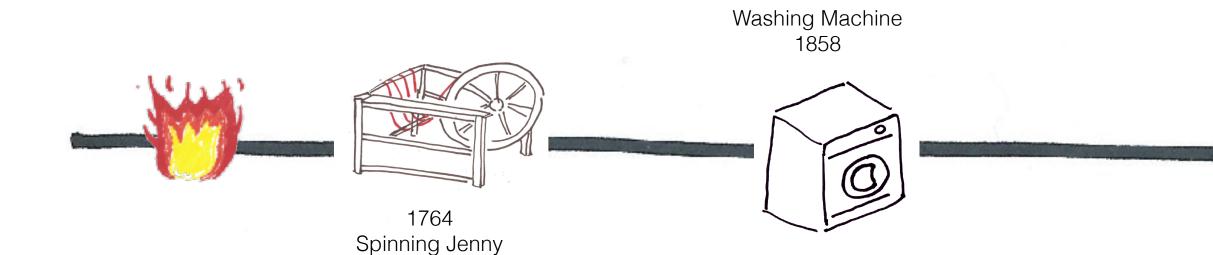
[Human history has been *slightly* simplified. Timeline is not to scale.]





### lt's not just me. 11 ńά α 2 1 1 1 1 1 ロロ ..... \*\*\*\*\* 1 ..... - - a 0 0 • 0 0 u t

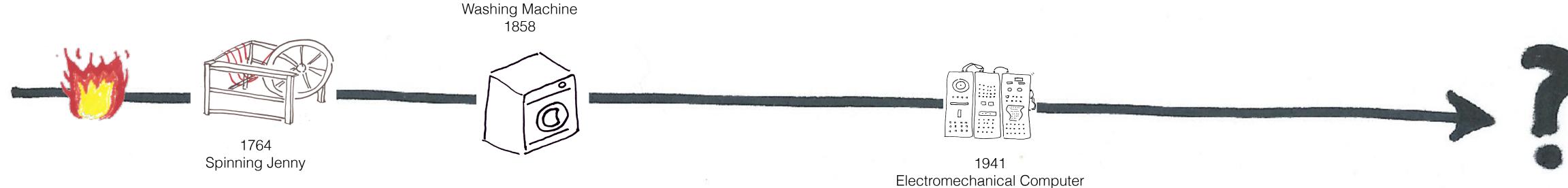




### [Human history has been *slightly* simplified. Timeline is not to scale.]





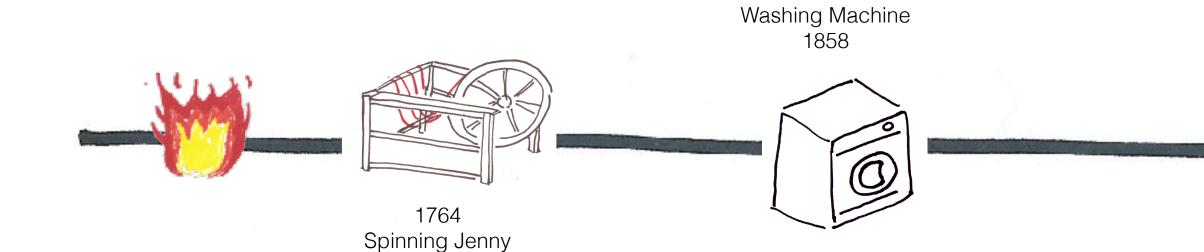


#automationconfessions

[Human history has been *slightly* simplified. Timeline is not to scale.]



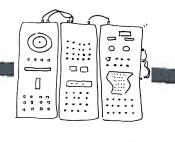




### [Human history has been *slightly* simplified. Timeline is not to scale.]

#automationconfessions

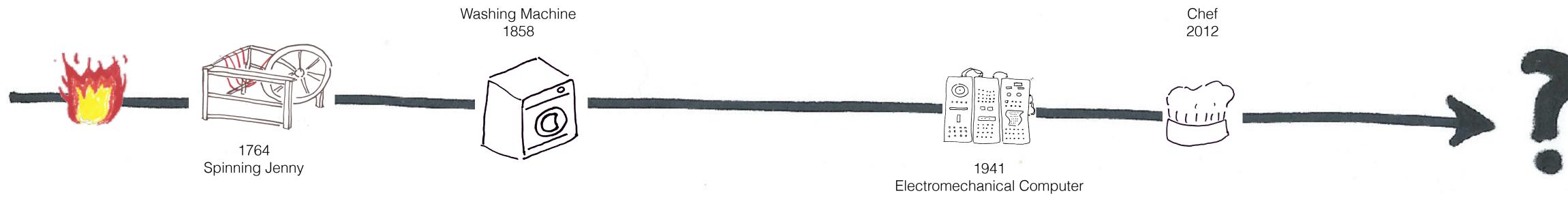




1941 Electromechanical Computer







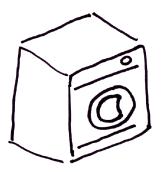
### [Human history has been *slightly* simplified. Timeline is not to scale.]





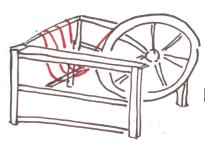


Washing Machine 1858



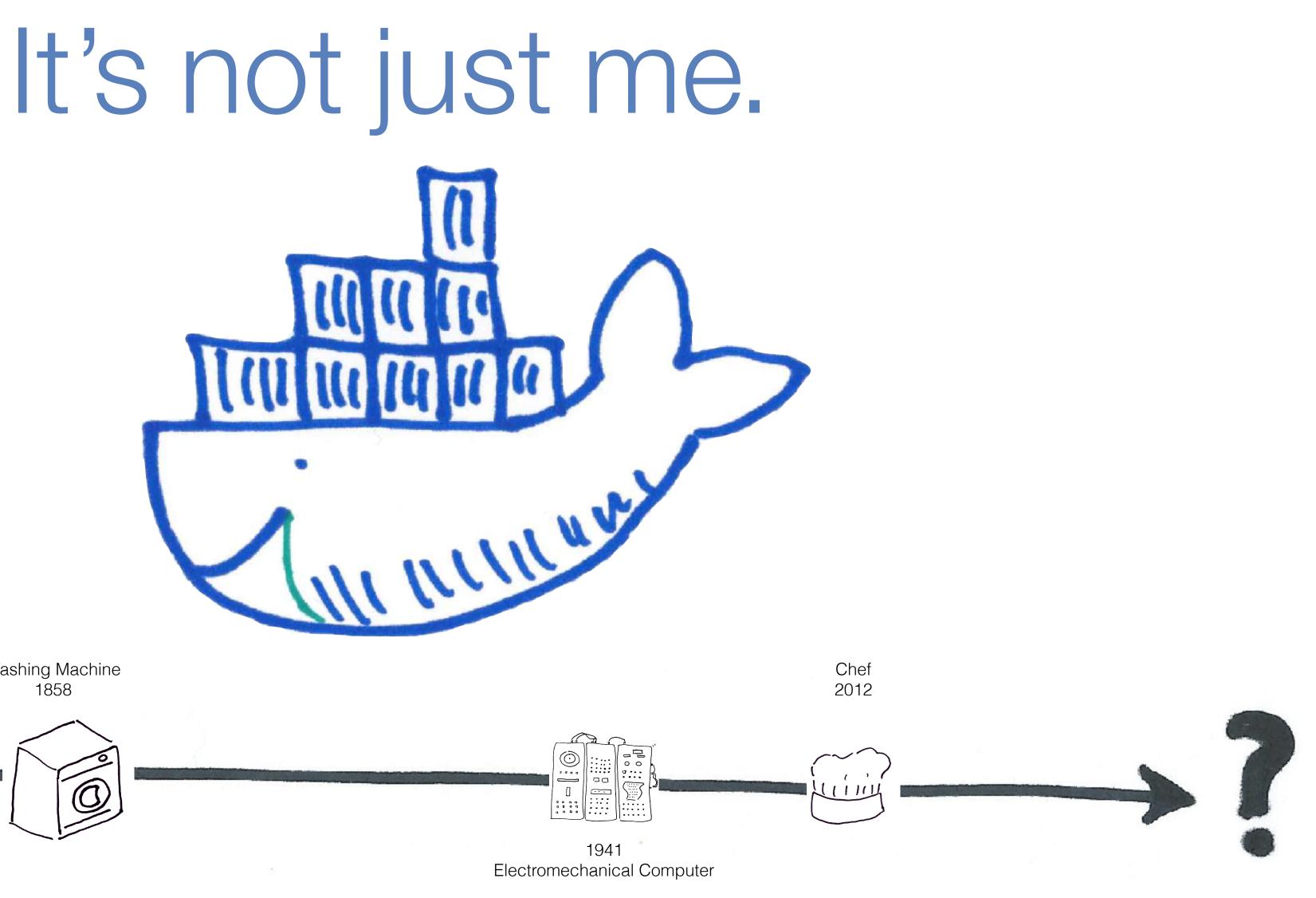






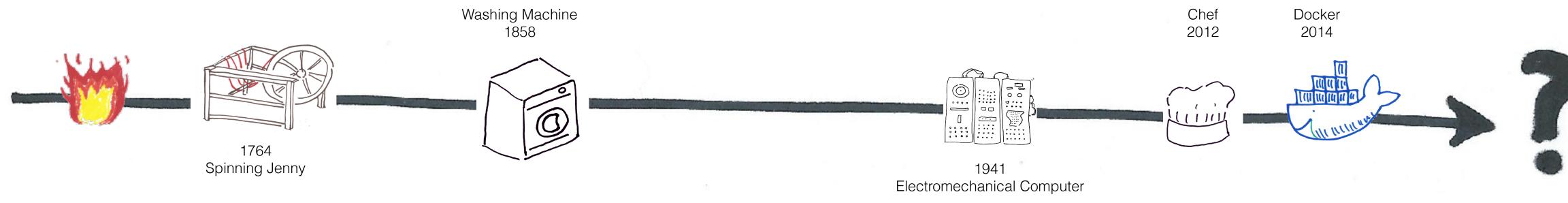
1764 Spinning Jenny

#automationconfessions



### [Human history has been *slightly* simplified. Timeline is not to scale.]



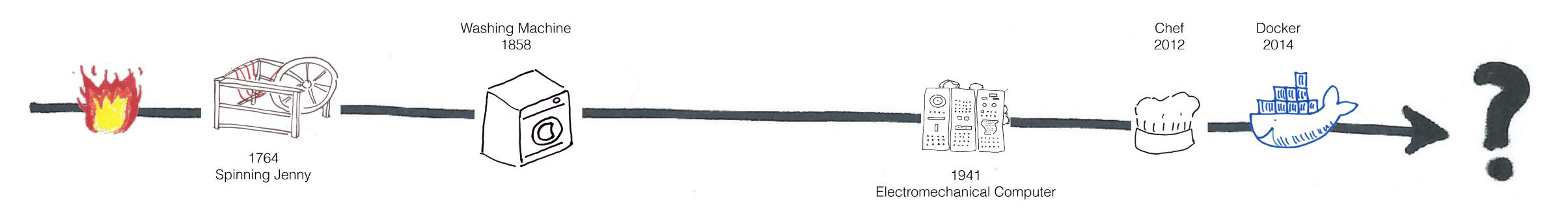


### [Human history has been *slightly* simplified. Timeline is not to scale.]





## More and more is automated.



#automationconfessions

### [Human history has been *slightly* simplified. Timeline is not to scale.]



## So are we living the dream?







## So are we living the dream?

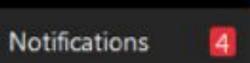
## Well. Not quite.







### PlayMemories Home

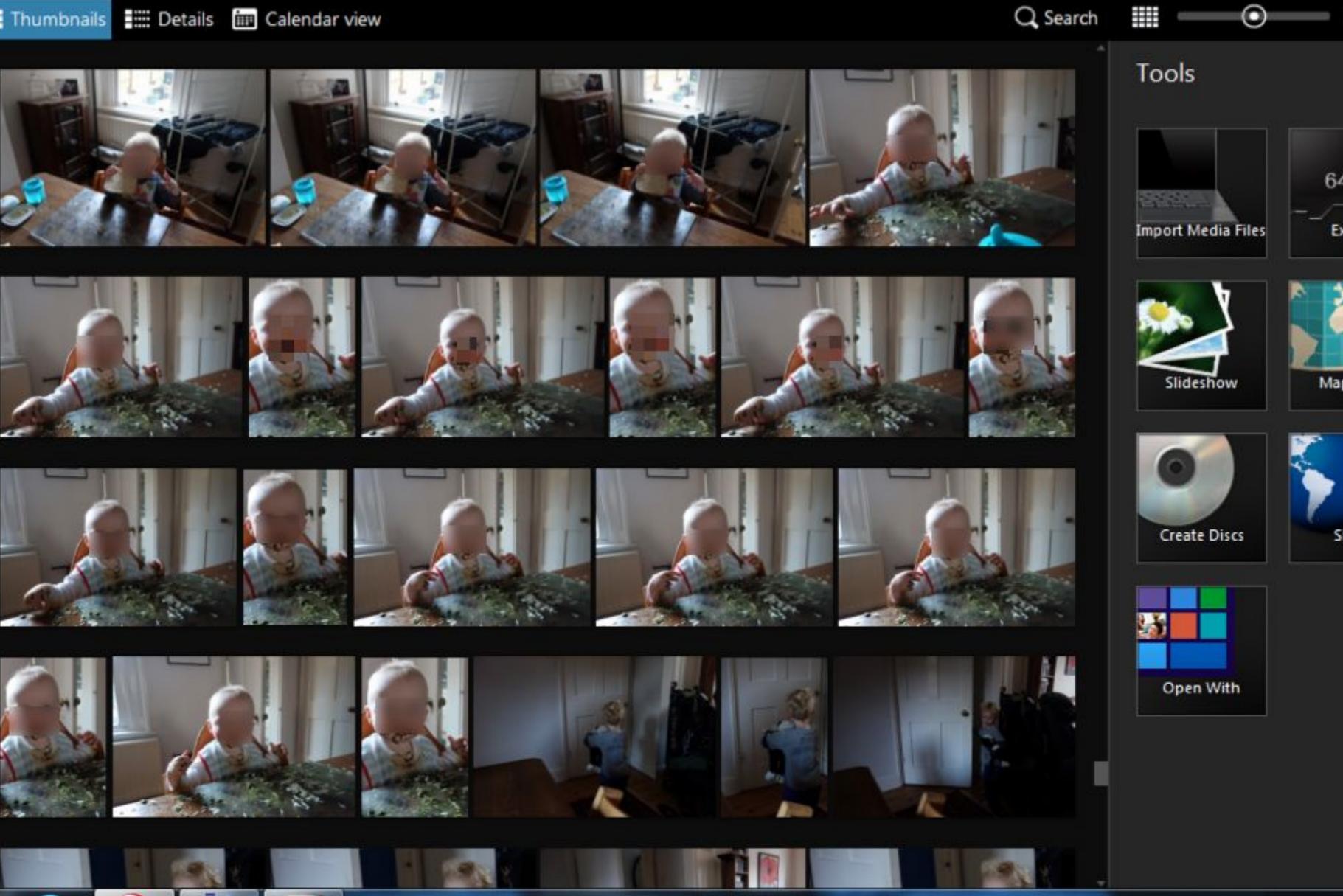


Cameras and r

All

≈ □

- Favorites
- ▼Drives
- ▼Local Disk (C:)
- ▼Pictures
- 01-01-2012
- 01-01-2013
- 01-01-2015
- 01-02-2014
- 01-03-2014
- 01-03-2015
- 01-04-2013
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- 01-07-2015
- 01-08-2014
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- 01-10-2014



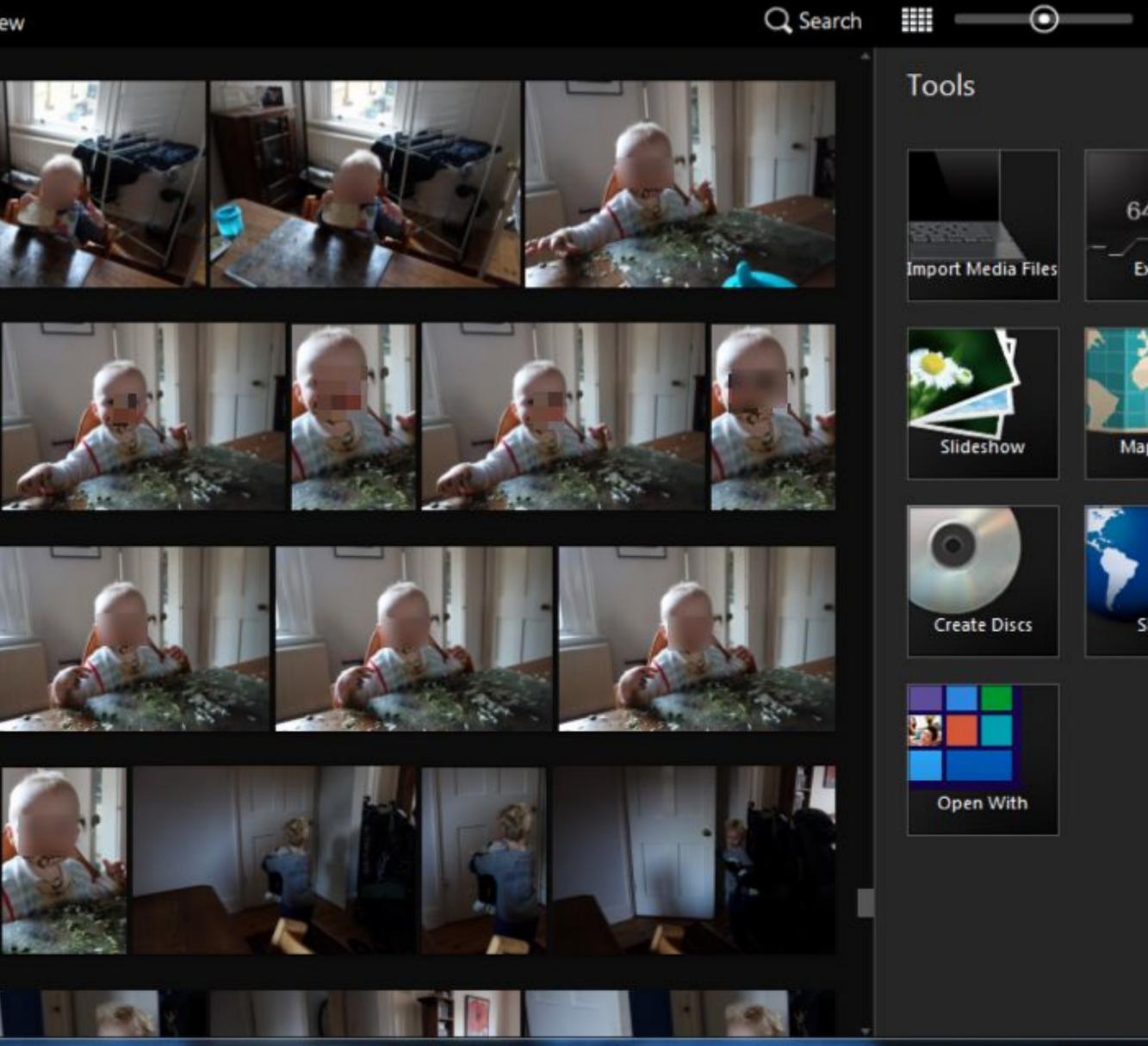




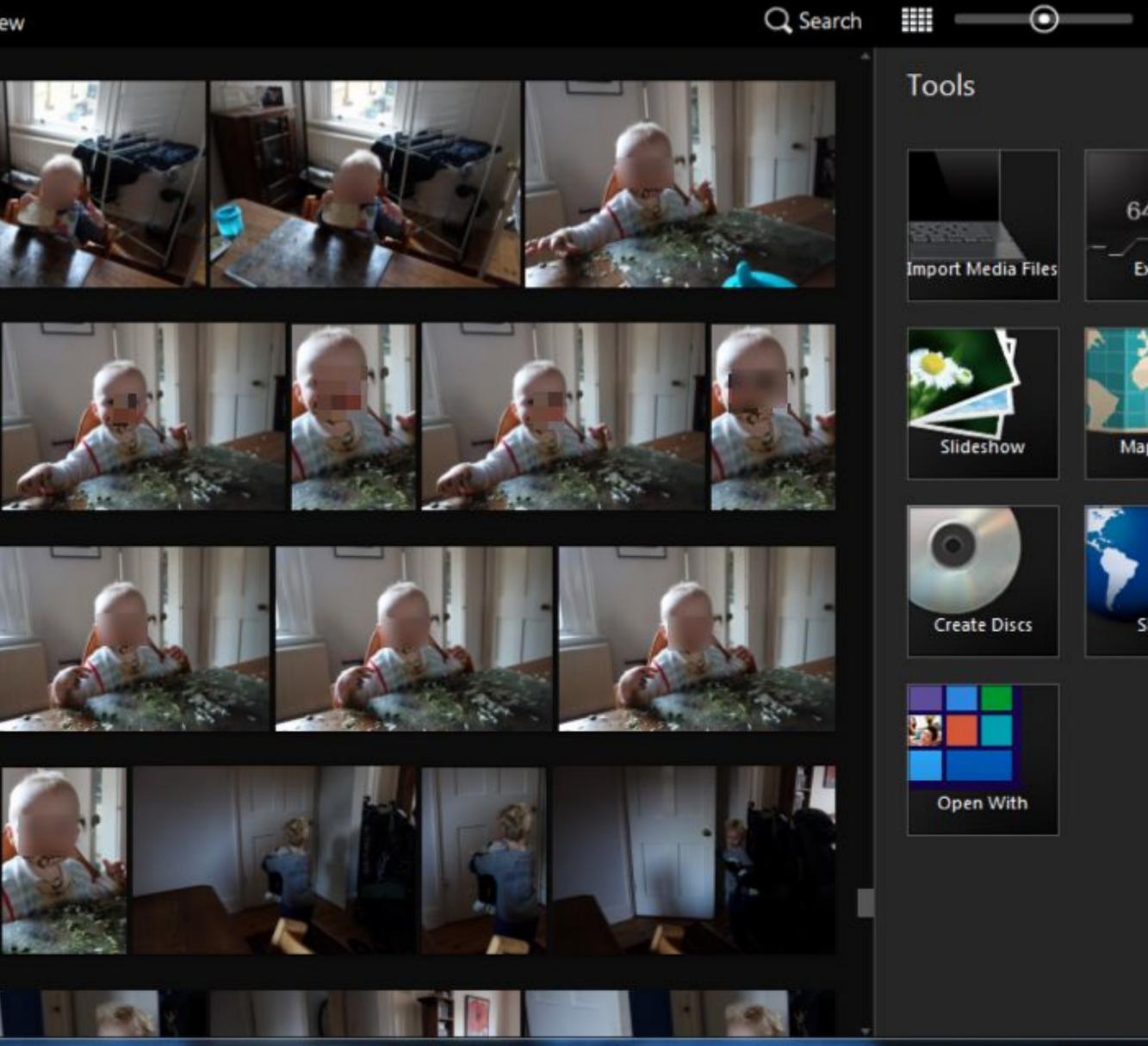


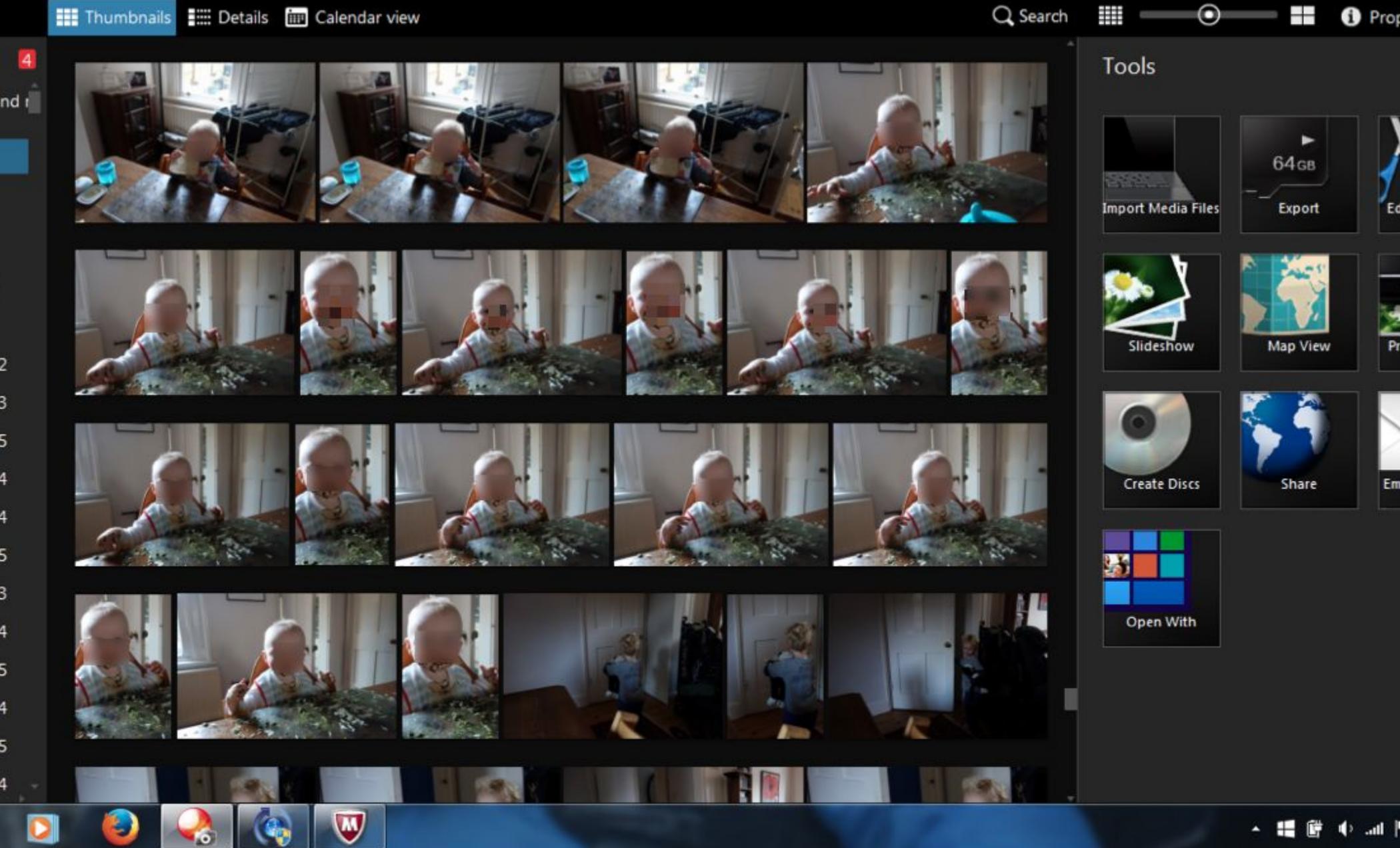






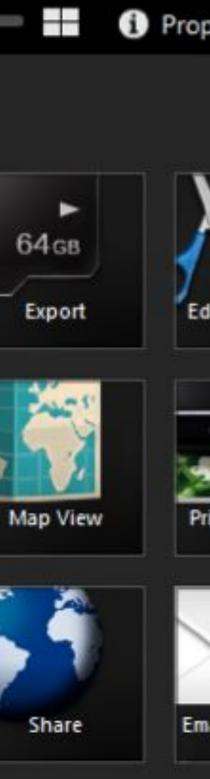








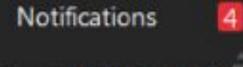






### PlayMemories Home



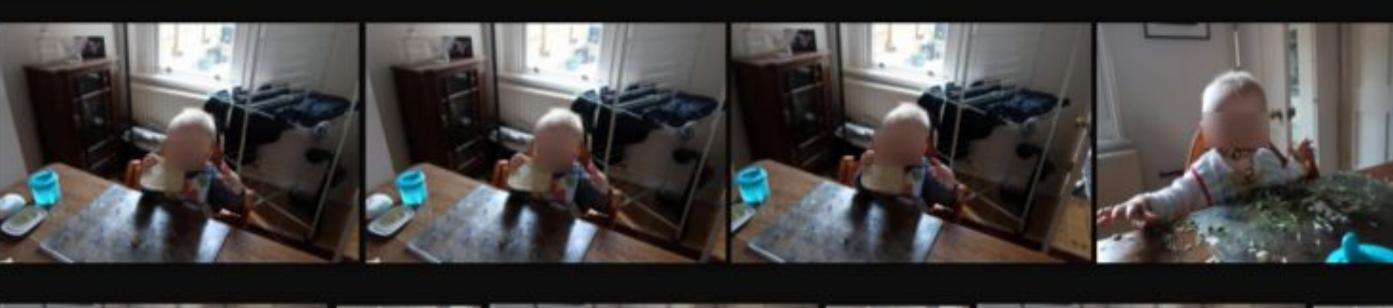


Cameras and r

All

≈ □

- Favorites
- ▼Drives
- ▼Local Disk (C:)
- ▼Pictures
- 01-01-2012
- 01-01-2013
- 01-01-2015
- 01-02-2014
- 01-03-2014
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- 01-05-2014
- 01-07-2015
- 01-08-2014
- 01-08-2015
- 01-10-2014

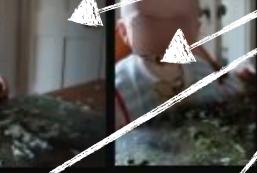






## Yes, that's all the exact same image.





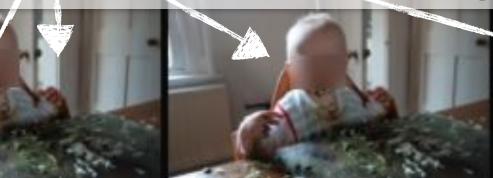




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#automationconfessions

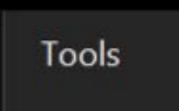












Q Search





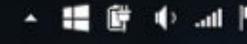






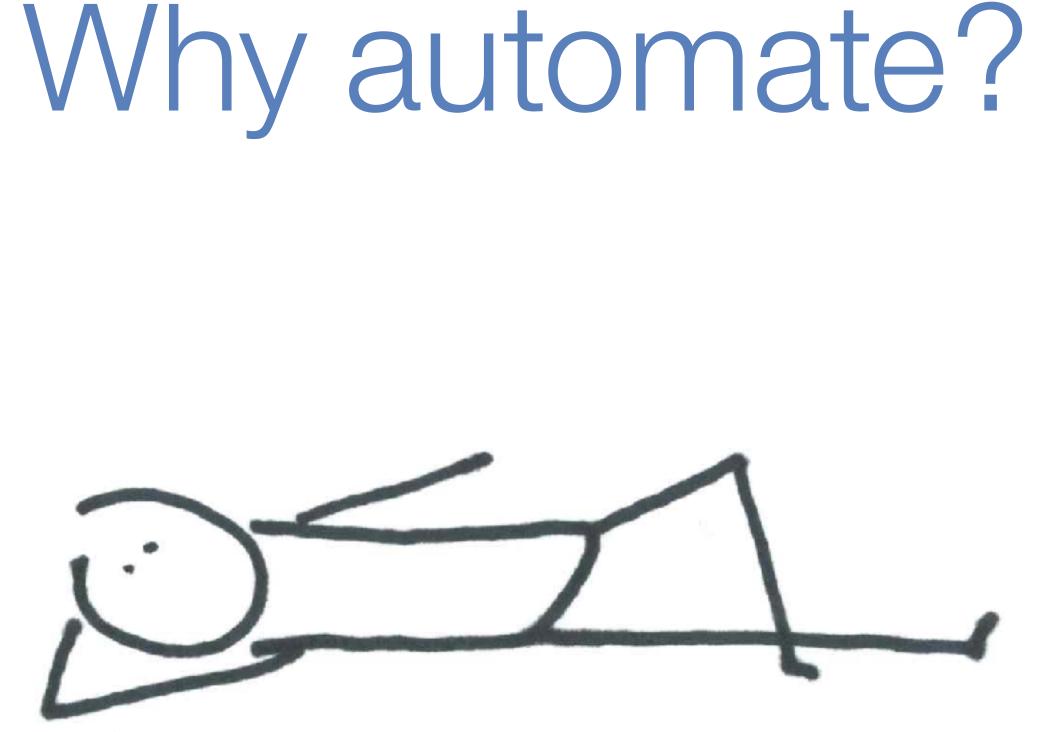












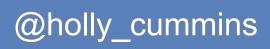
## Automate because we are *lazy*



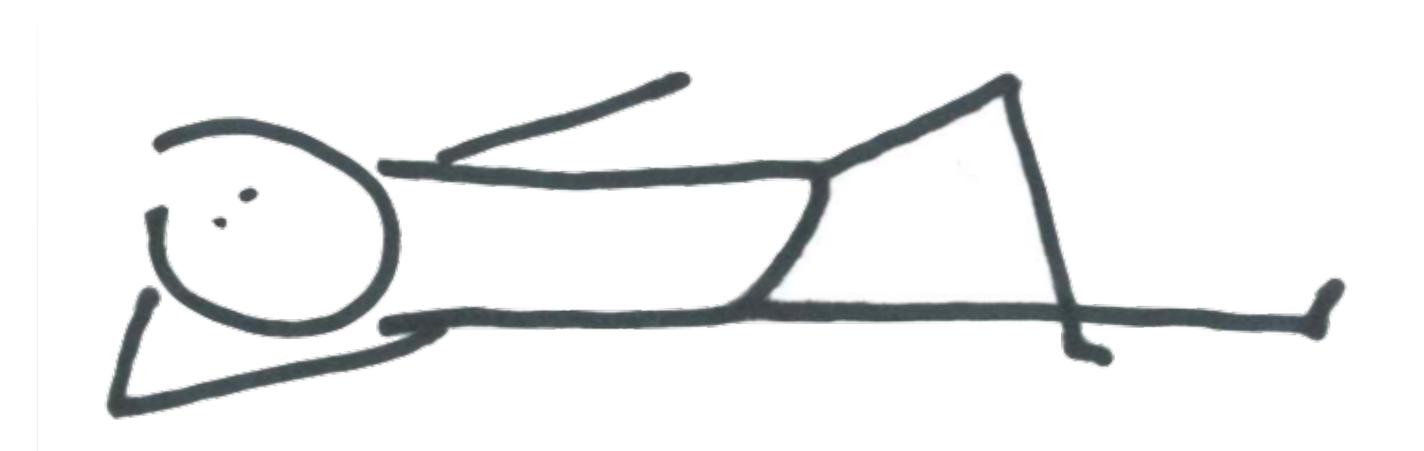








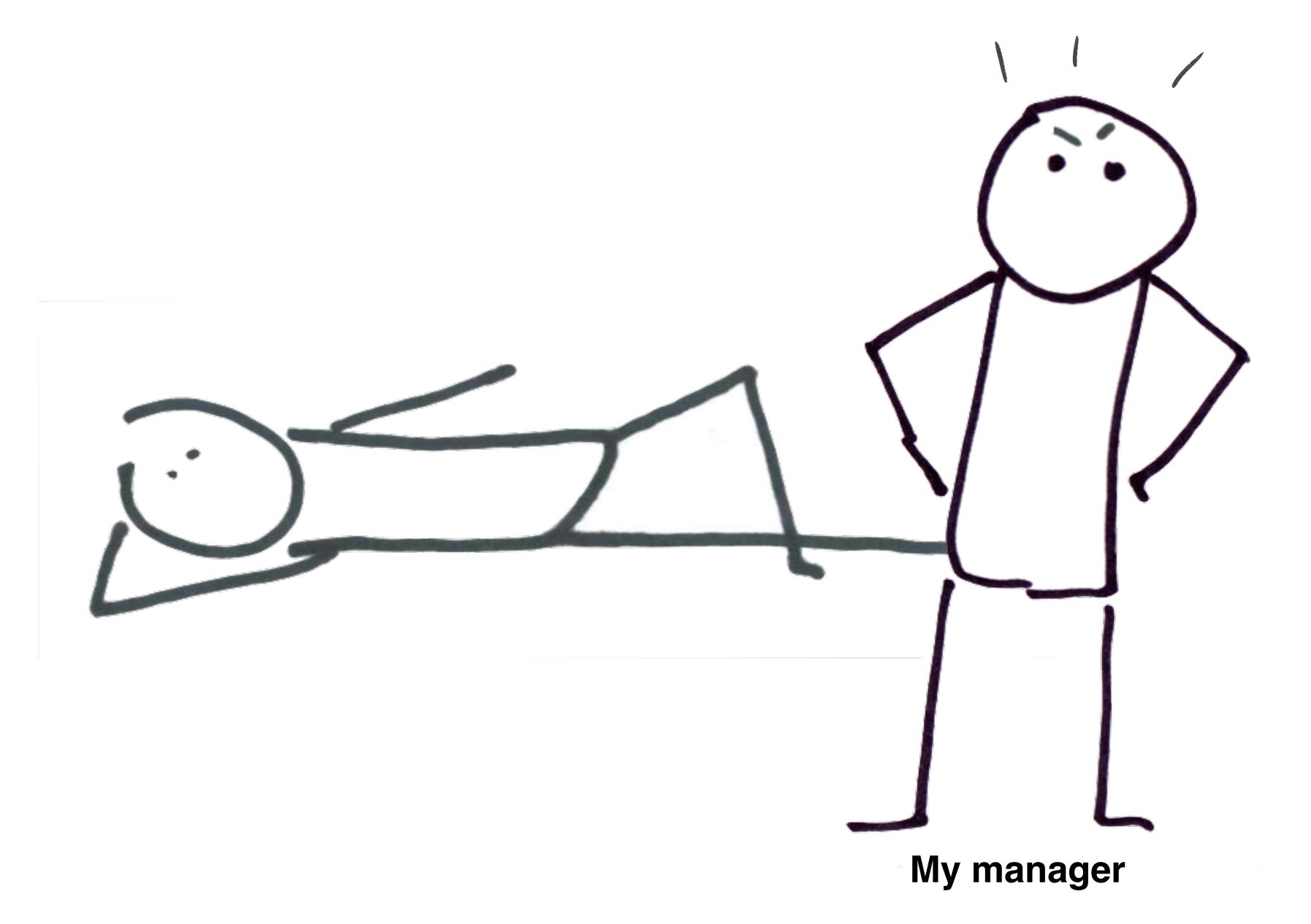






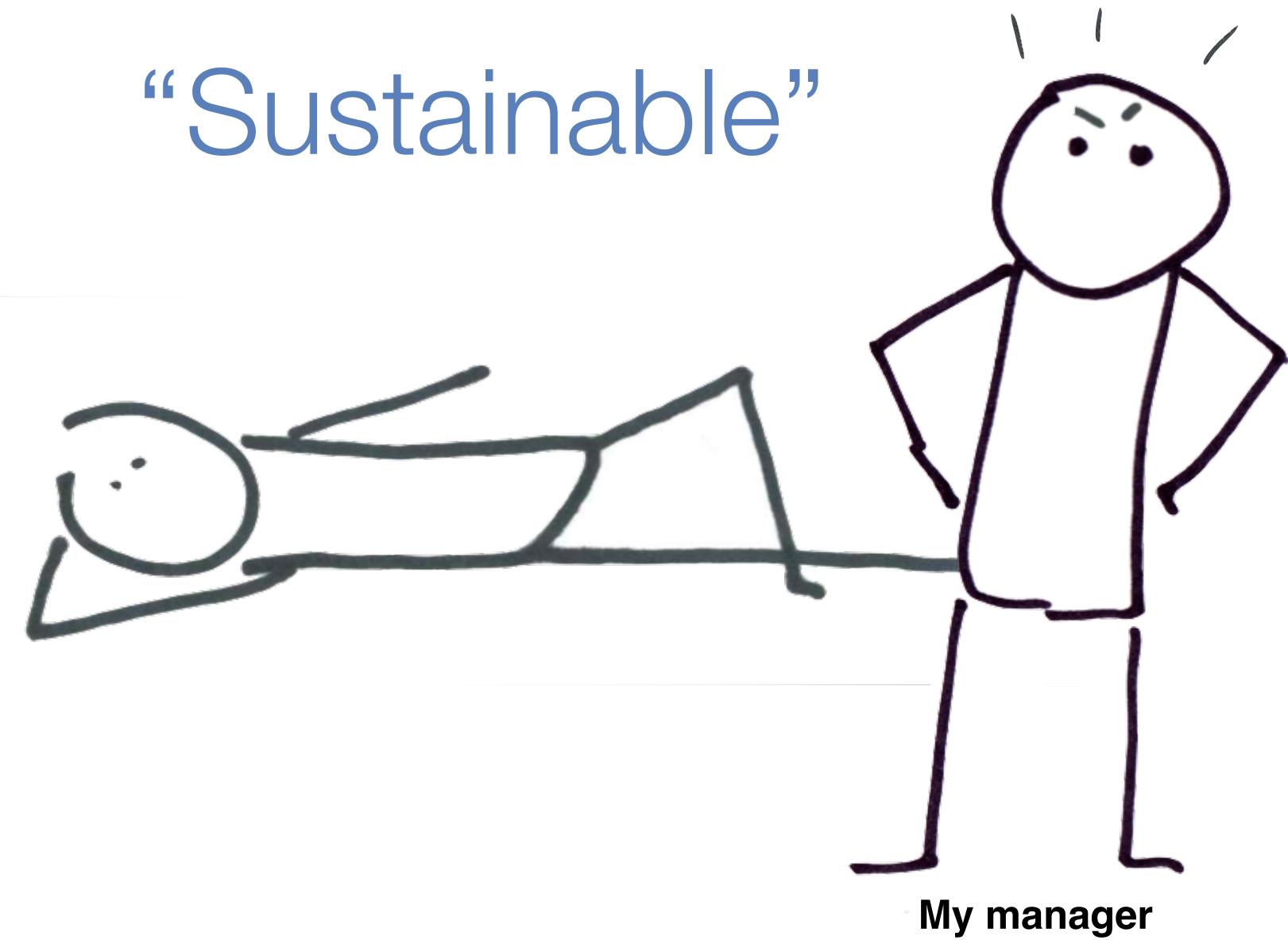














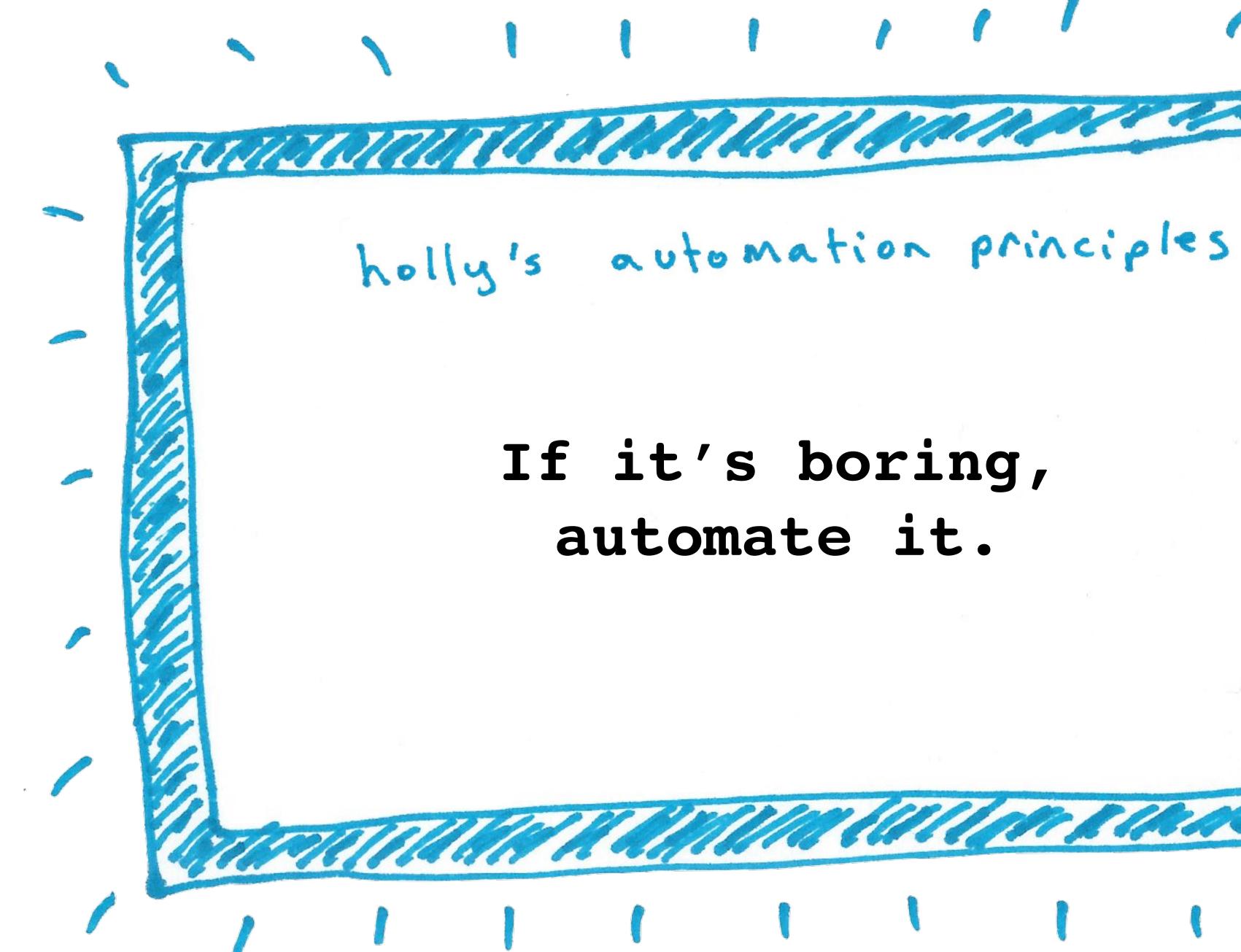








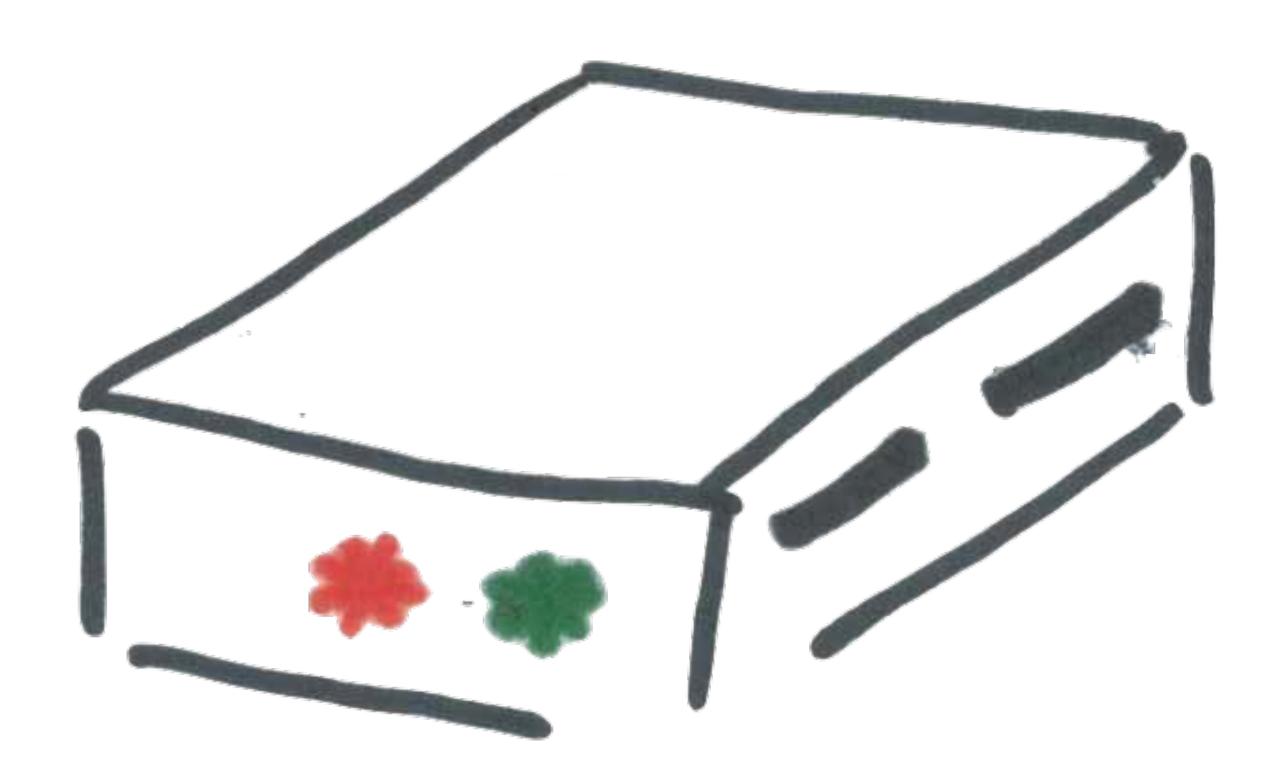




### If it's boring, automate it.





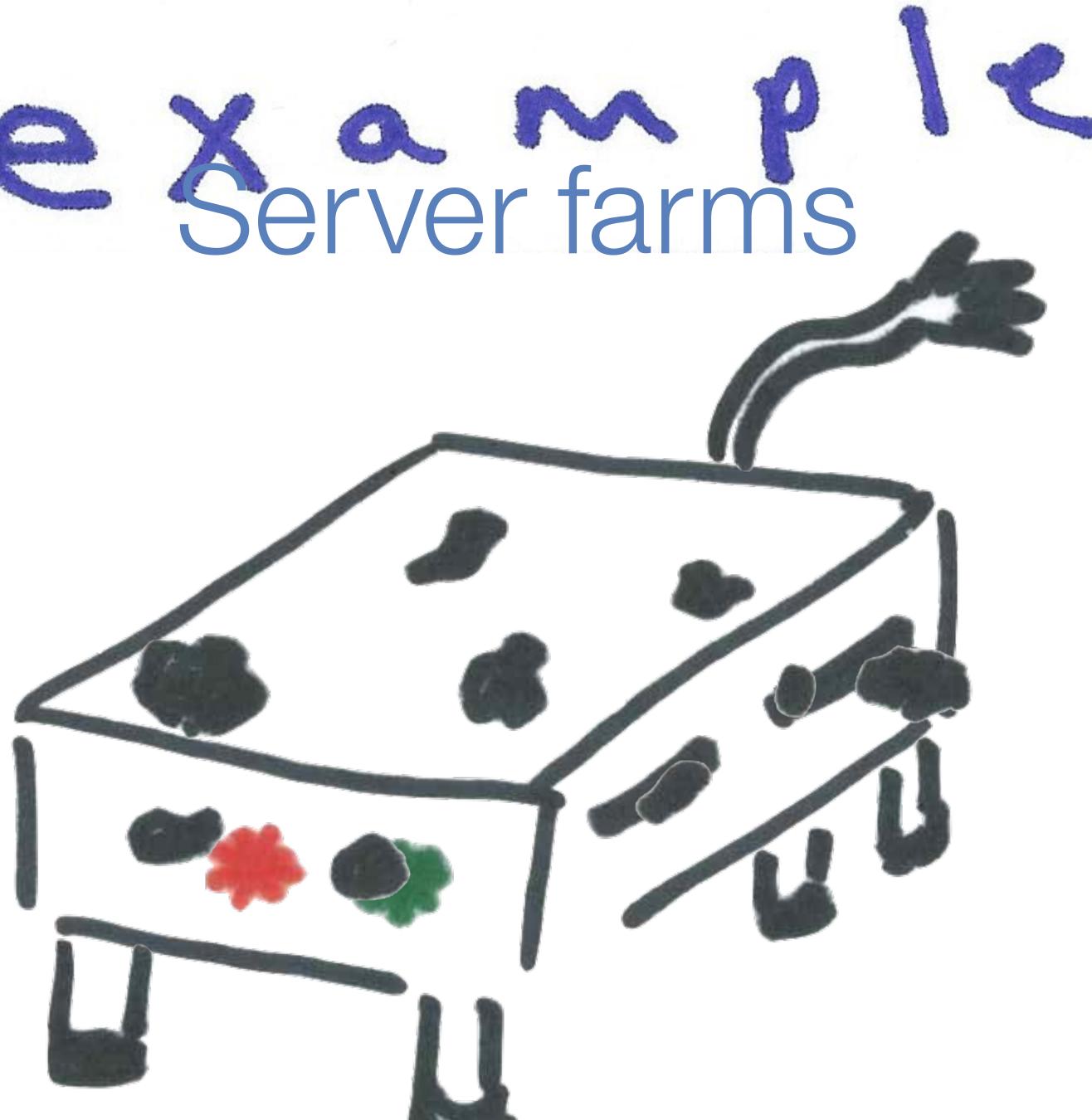












@holly\_cummins





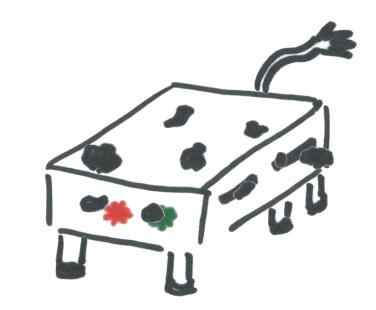
### Treat your servers like cattle, not like pets.

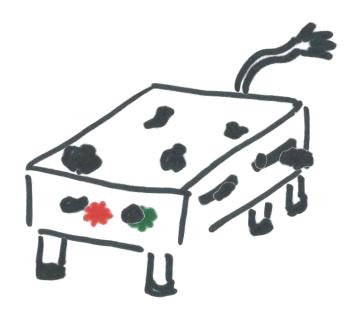


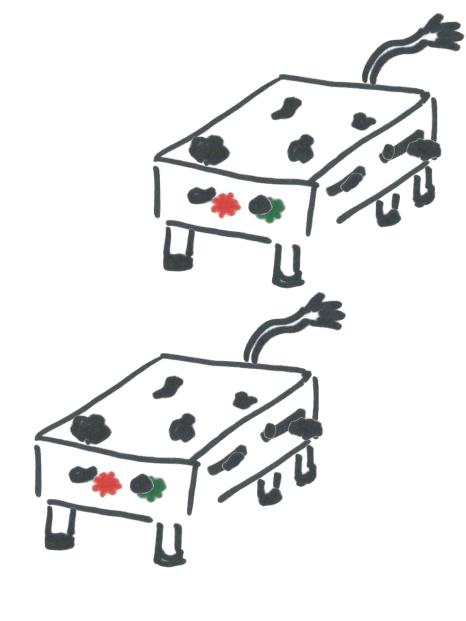
# e Server farms

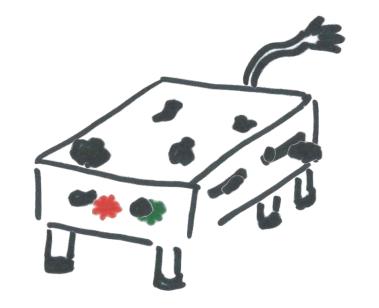
@holly\_cummins

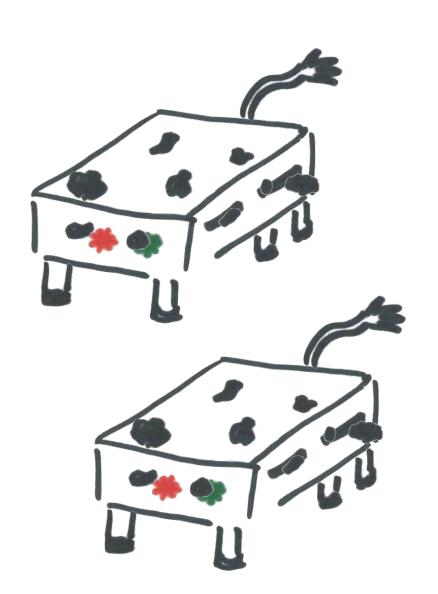


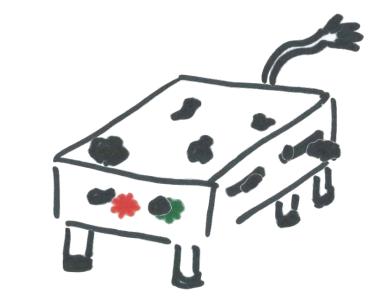


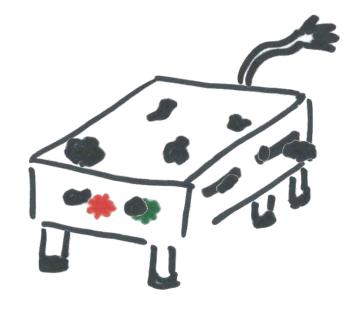


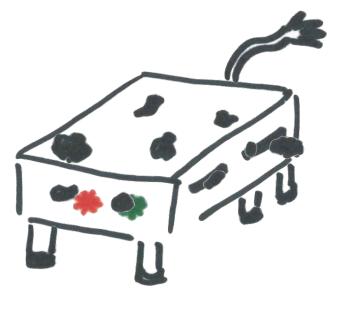


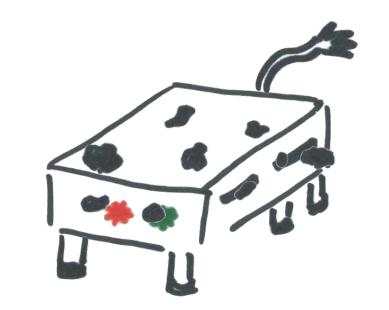


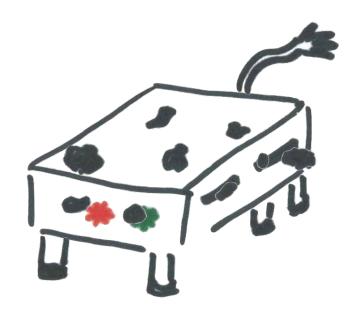


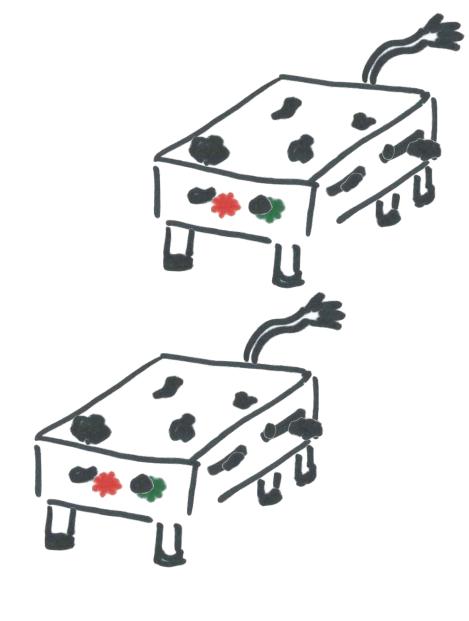


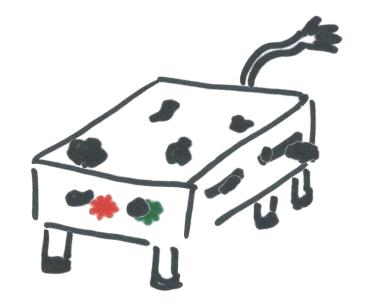


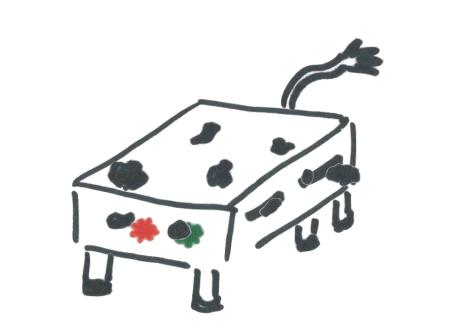


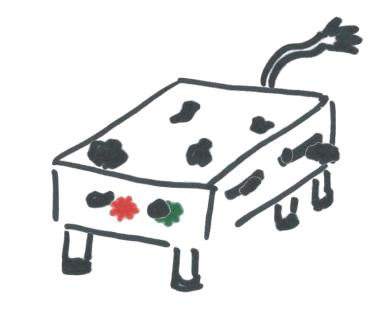


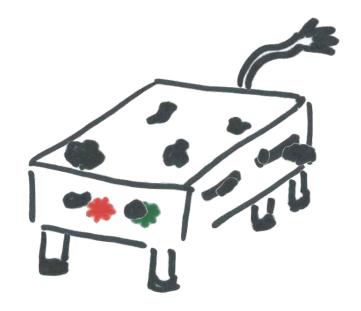


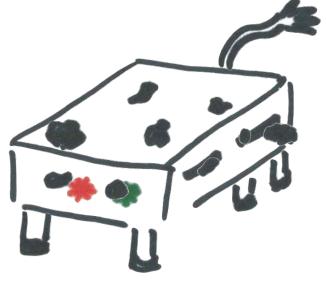


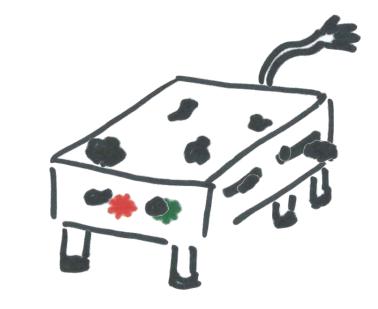










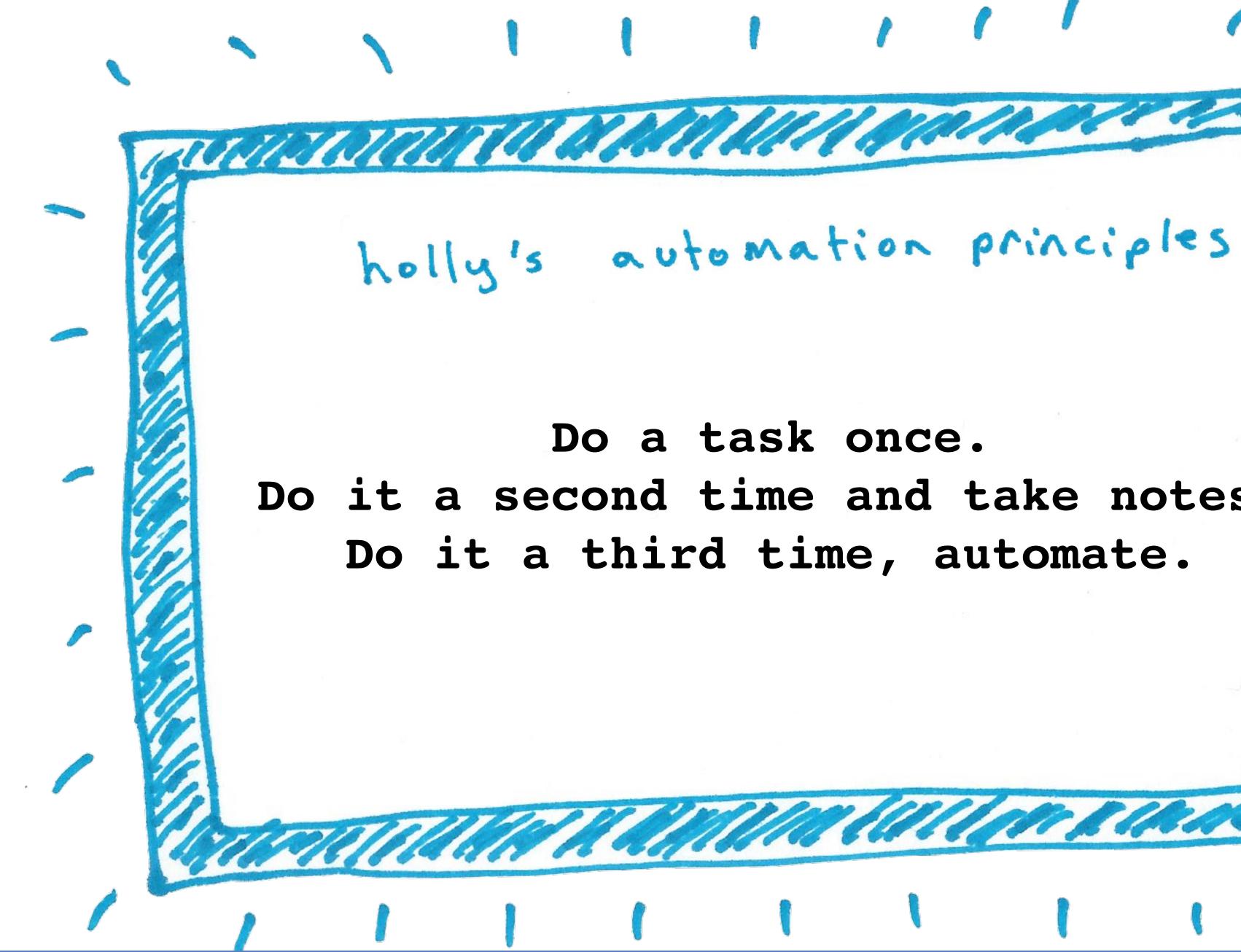


### Scale

The more of you there are, the more you need to invest in automation







### Do a task once. Do it a second time and take notes. Do it a third time, automate.



# Why Automate?









# Why Automate?









# Why Automate?

### Automate because you care

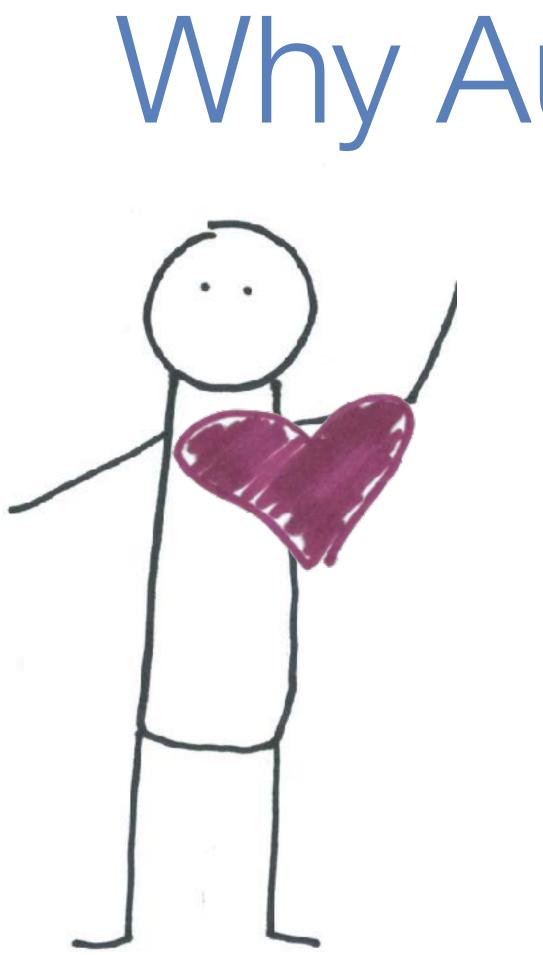






### If you care about it, automate it.





# Why Automate?

### Automate because you care









# Why Automate?

### Automate because you care that it happens at all





































No one wanted to be the one who did it









No one wanted to be the one who did it It didn't happen









No one wanted to be the one who did it

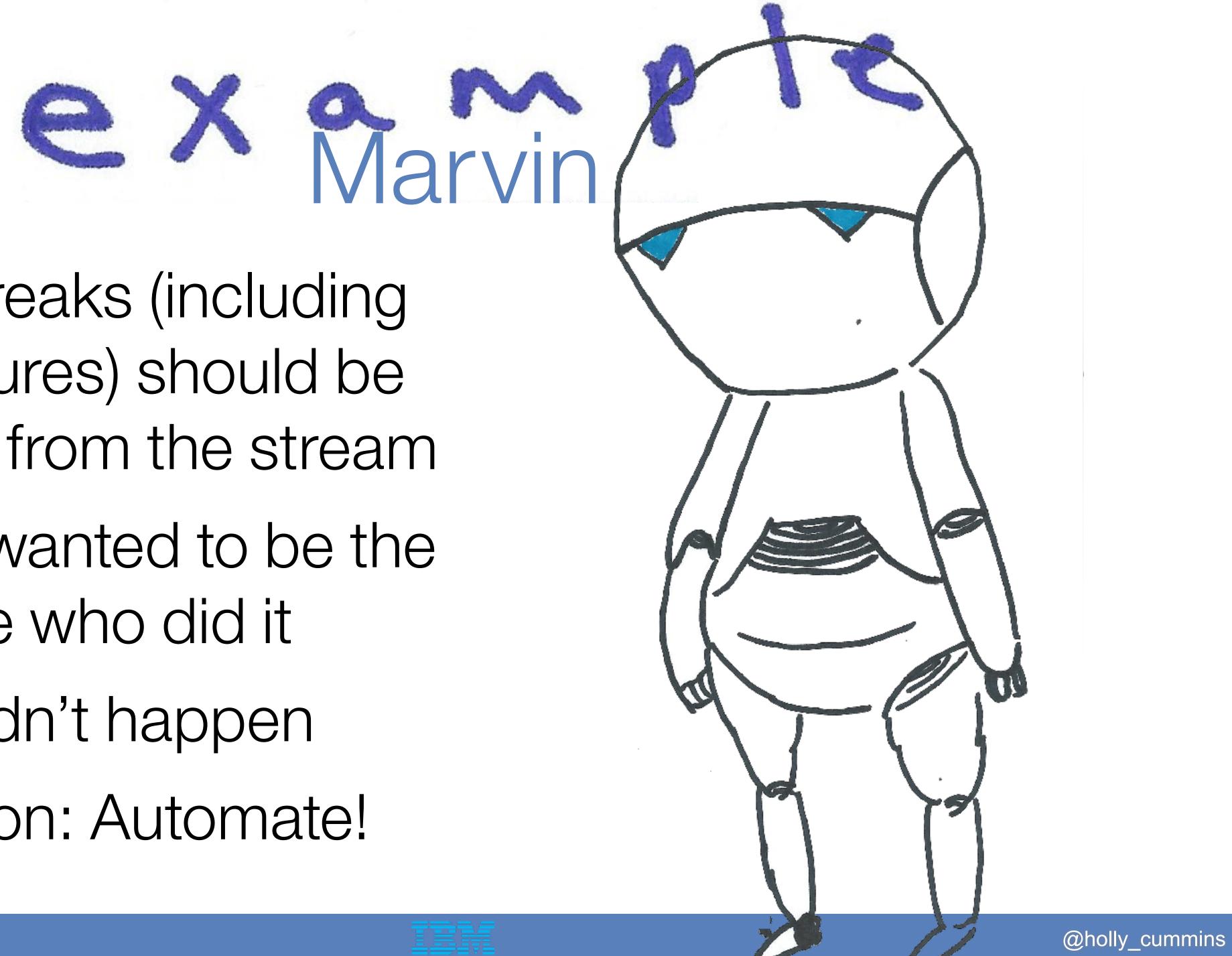
It didn't happen

Solution: Automate!









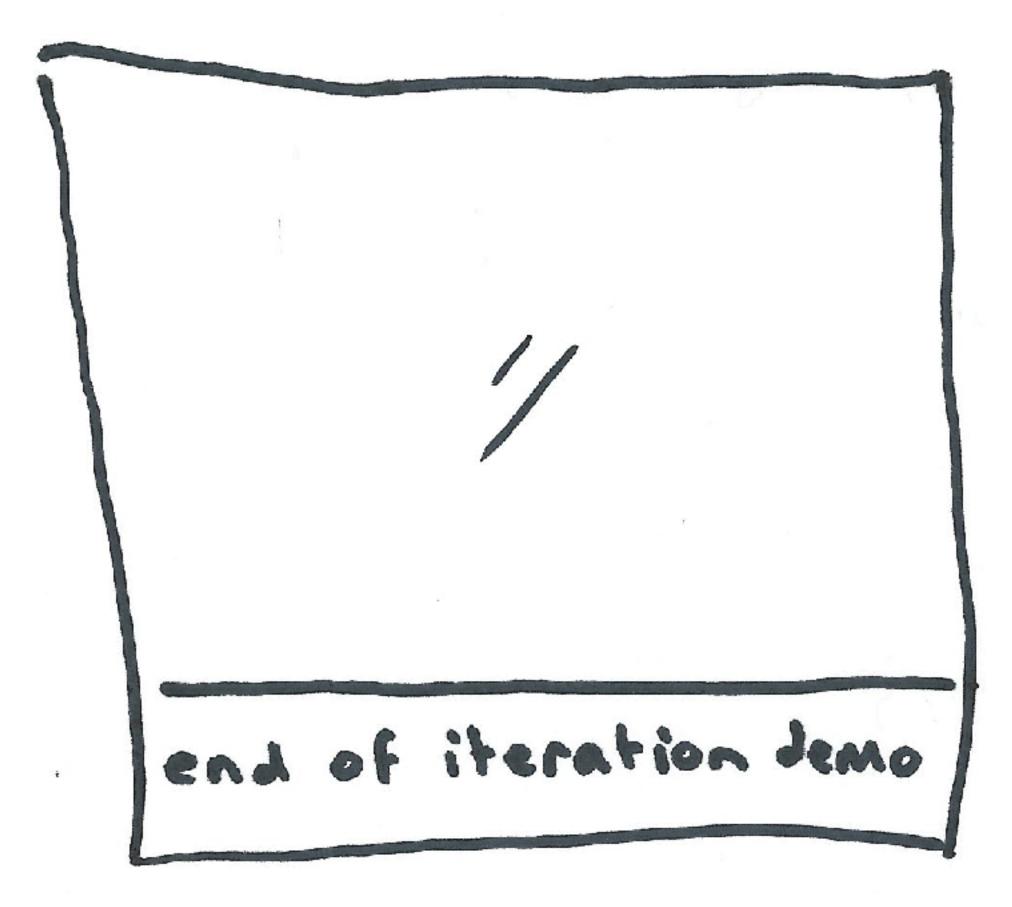
No one wanted to be the one who did it

It didn't happen

Solution: Automate!













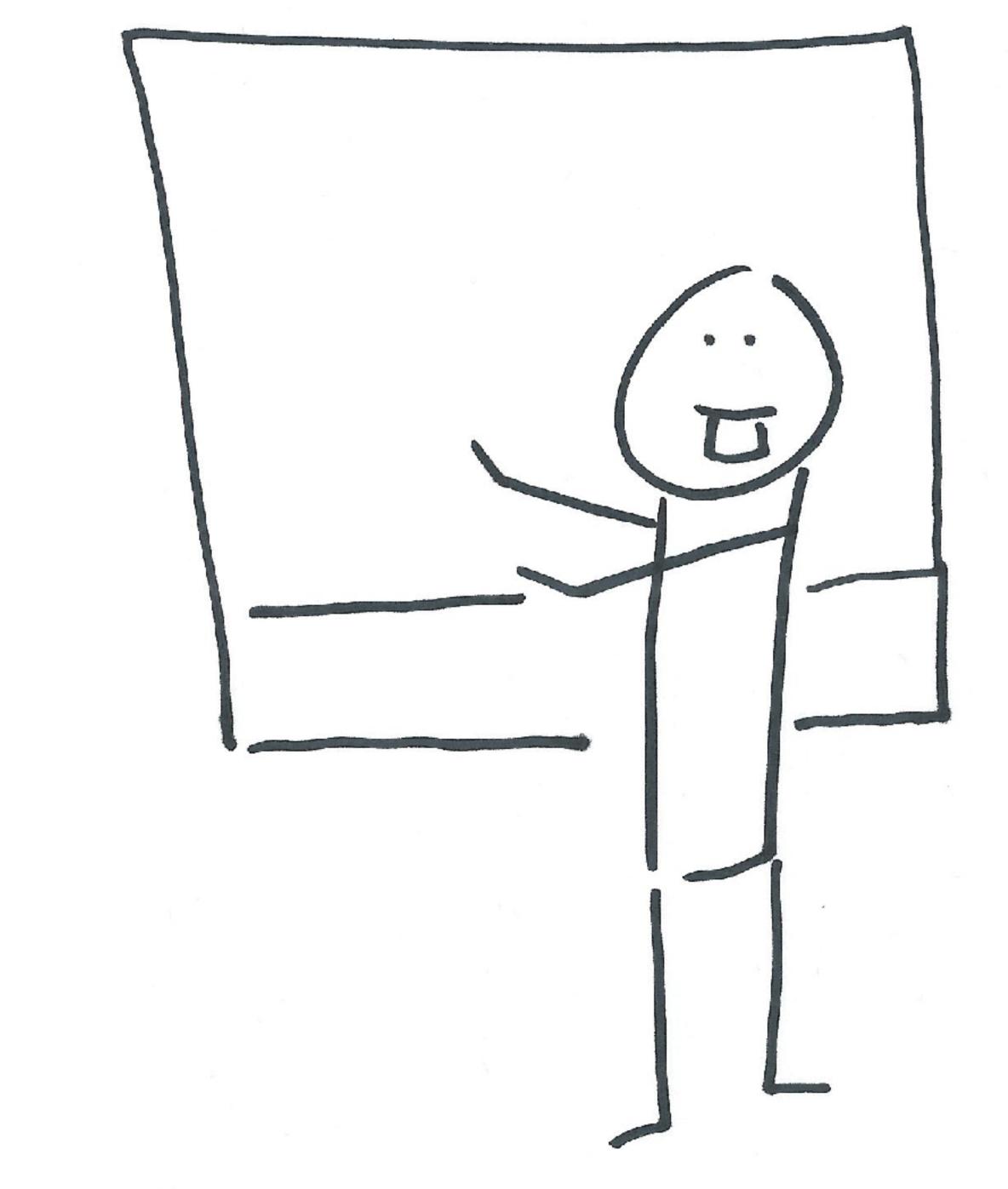
# End of iteration demos

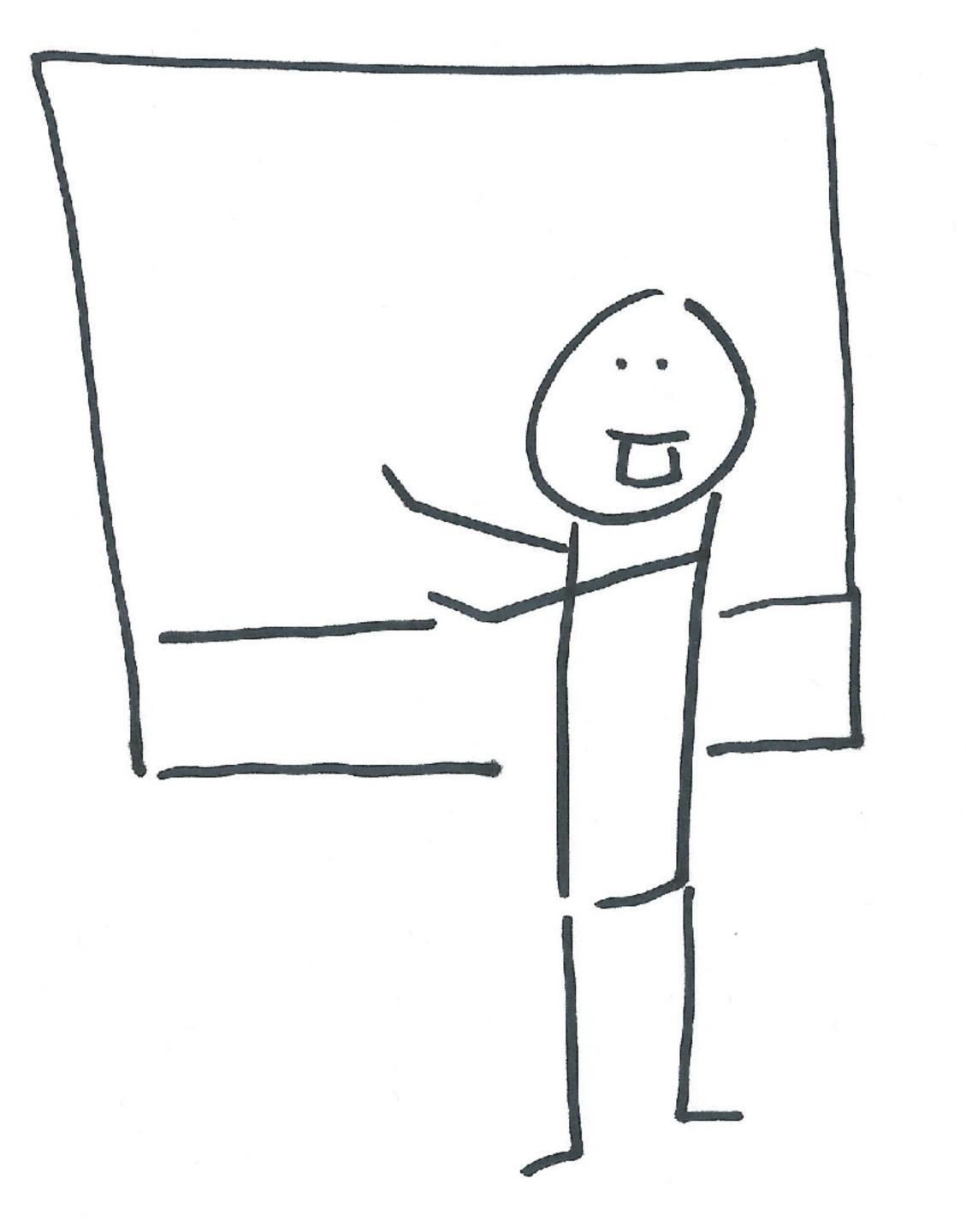
×		
🐣 Story 135766 🔻		
Summary: *	Ready for Review	
▼ Details	- Description	
Type: Story ‡ Profile/Edition: * Liberty ‡	Automatic generation on story close	
📋 148983: DEMO:		
🗐 Non-Delivery Task 148983 🔻		
Summary: * DEMO:	- · · Open	
	Non-Delivery Task ‡	

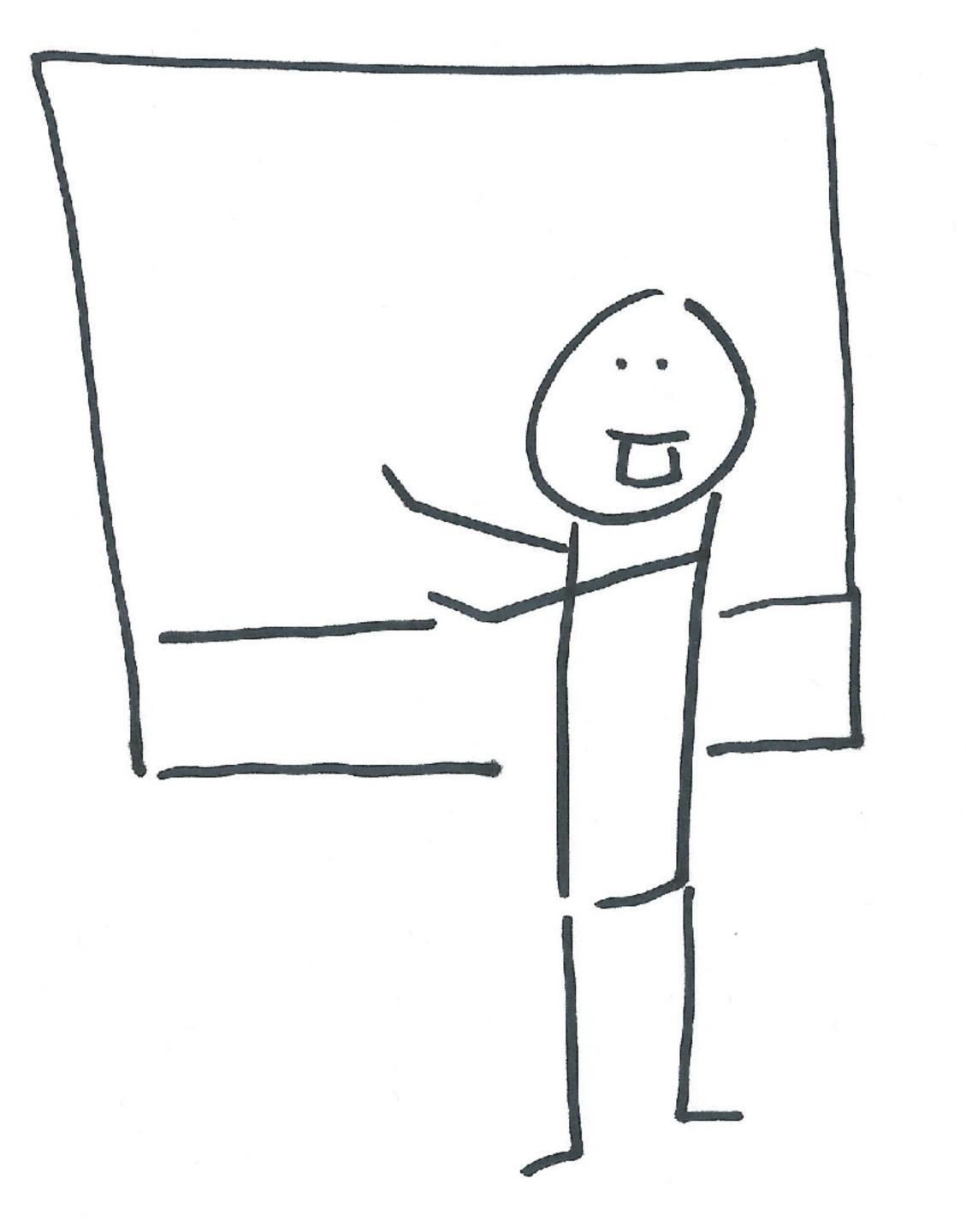
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📋 148983: DEMO: 🔤 🔀	
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Type: 📋 Non-Delivery Task	\$
Profile/Edition: * Liberty	\$



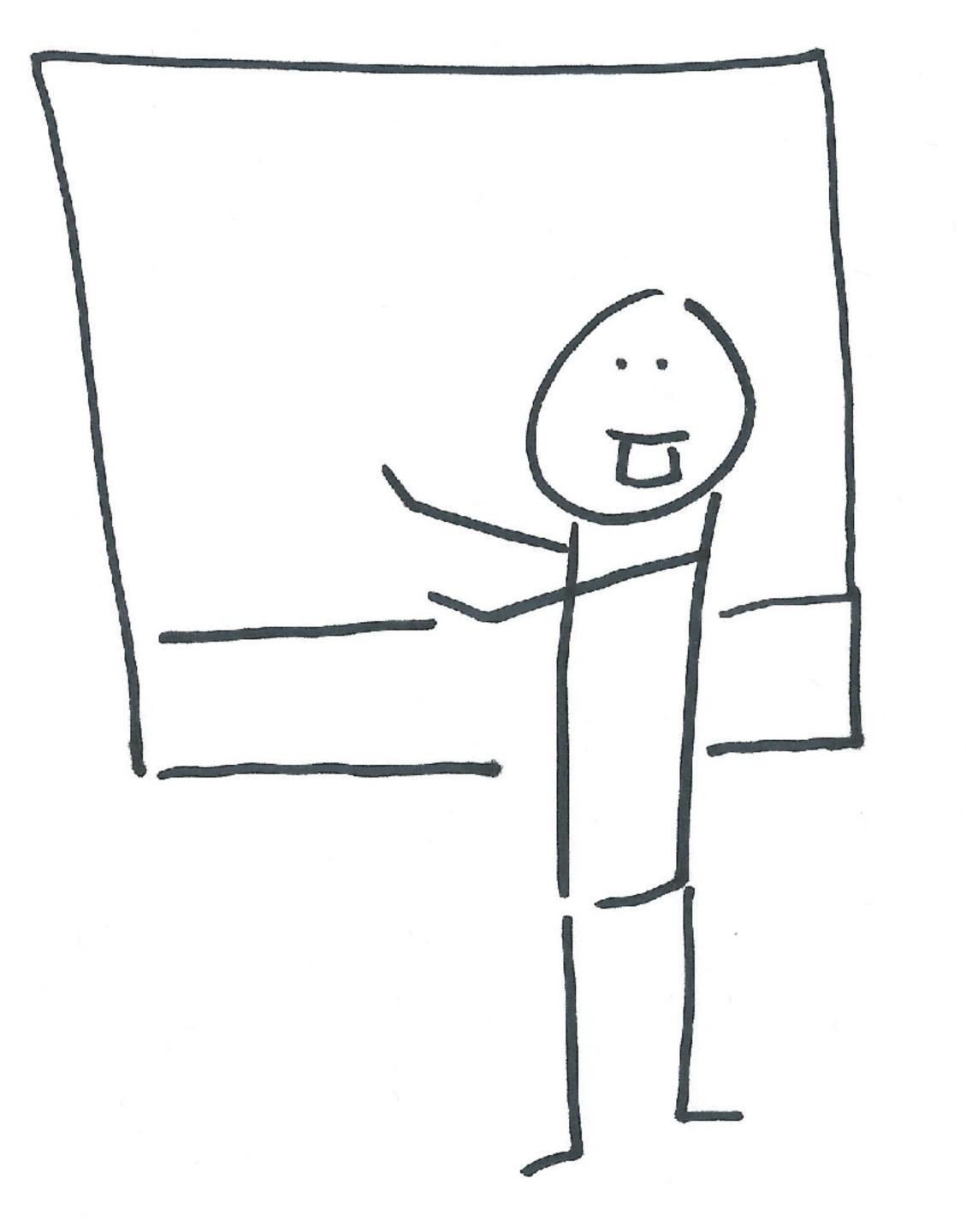




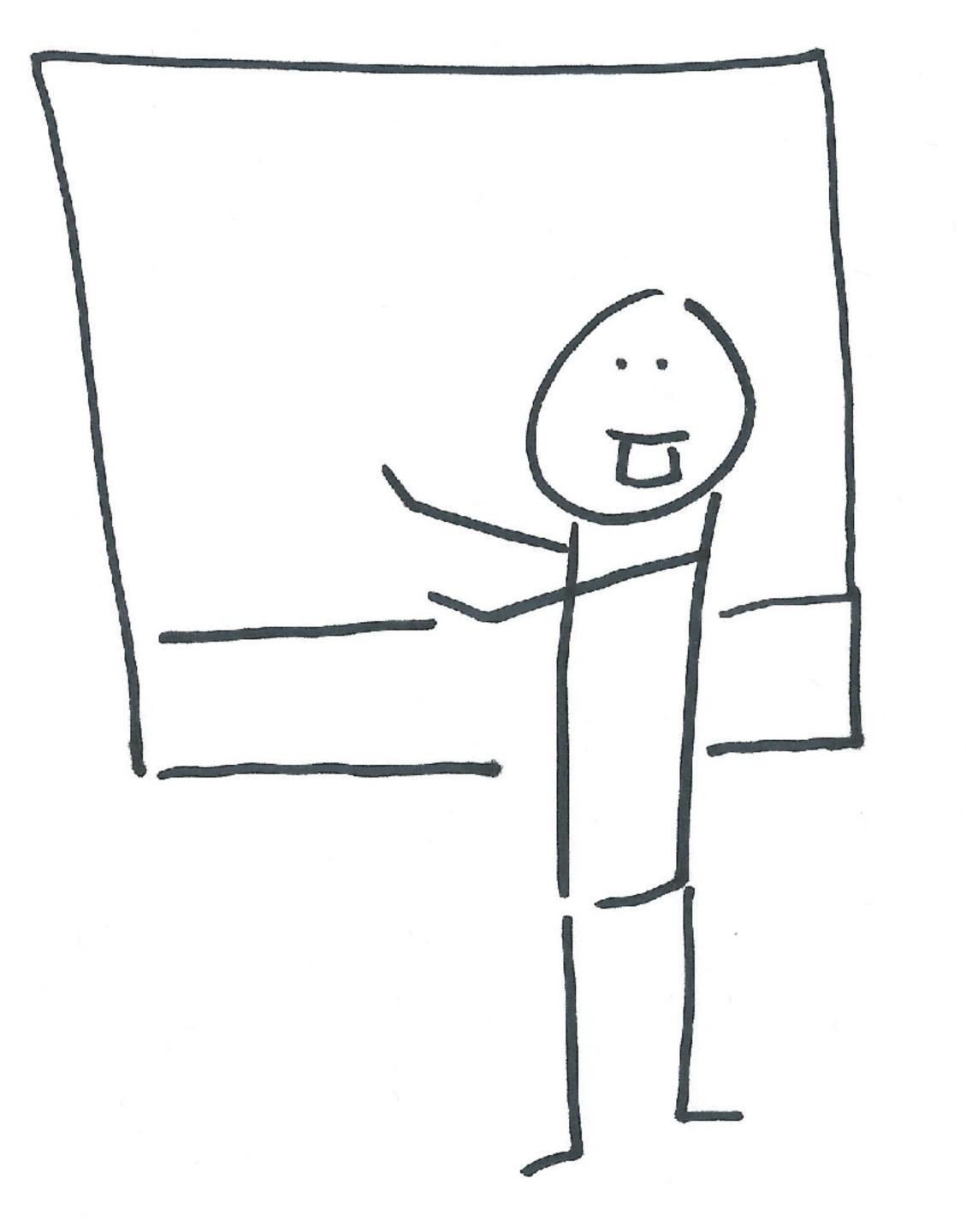




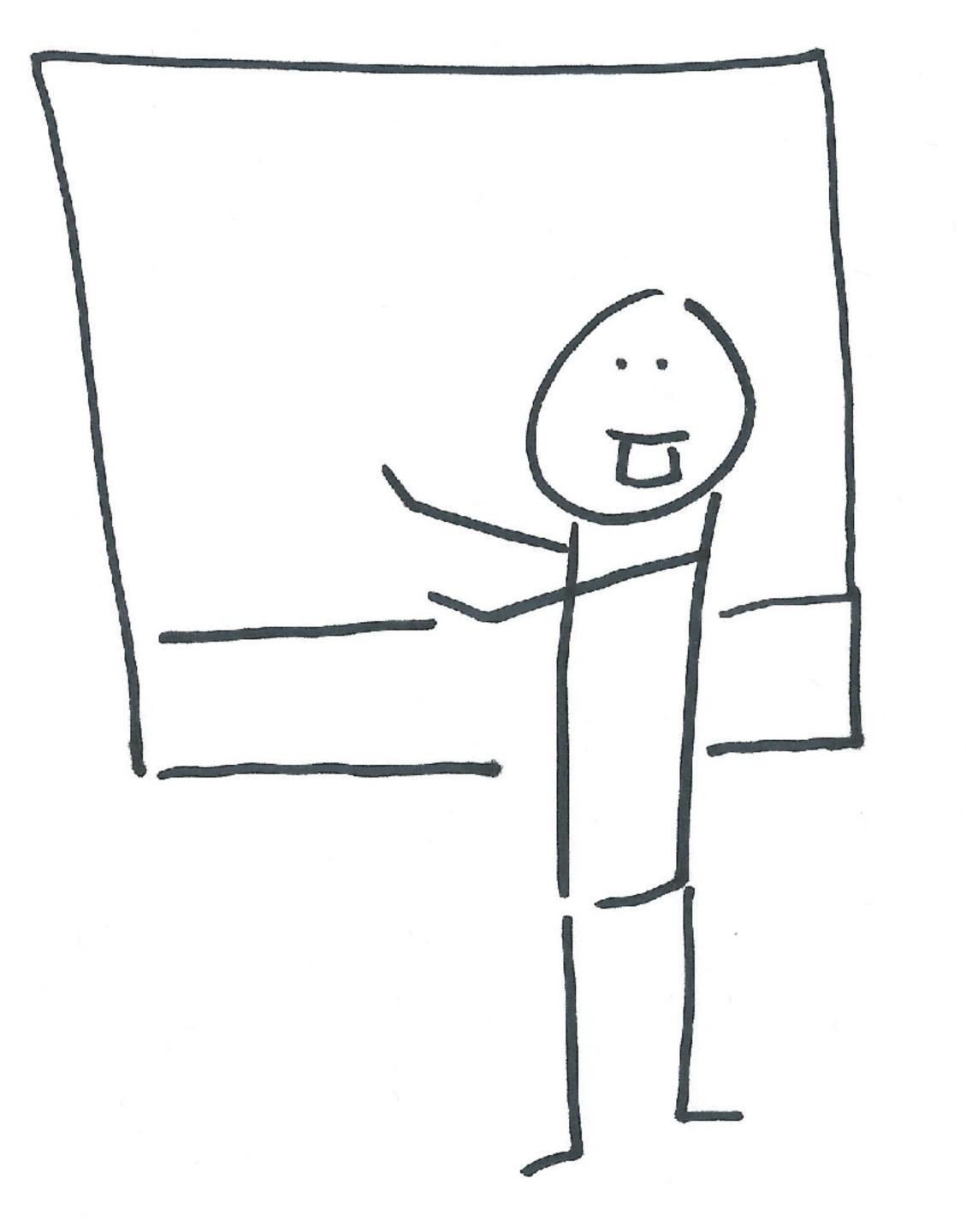
Write the Rational Team Concert plugin (one-off)



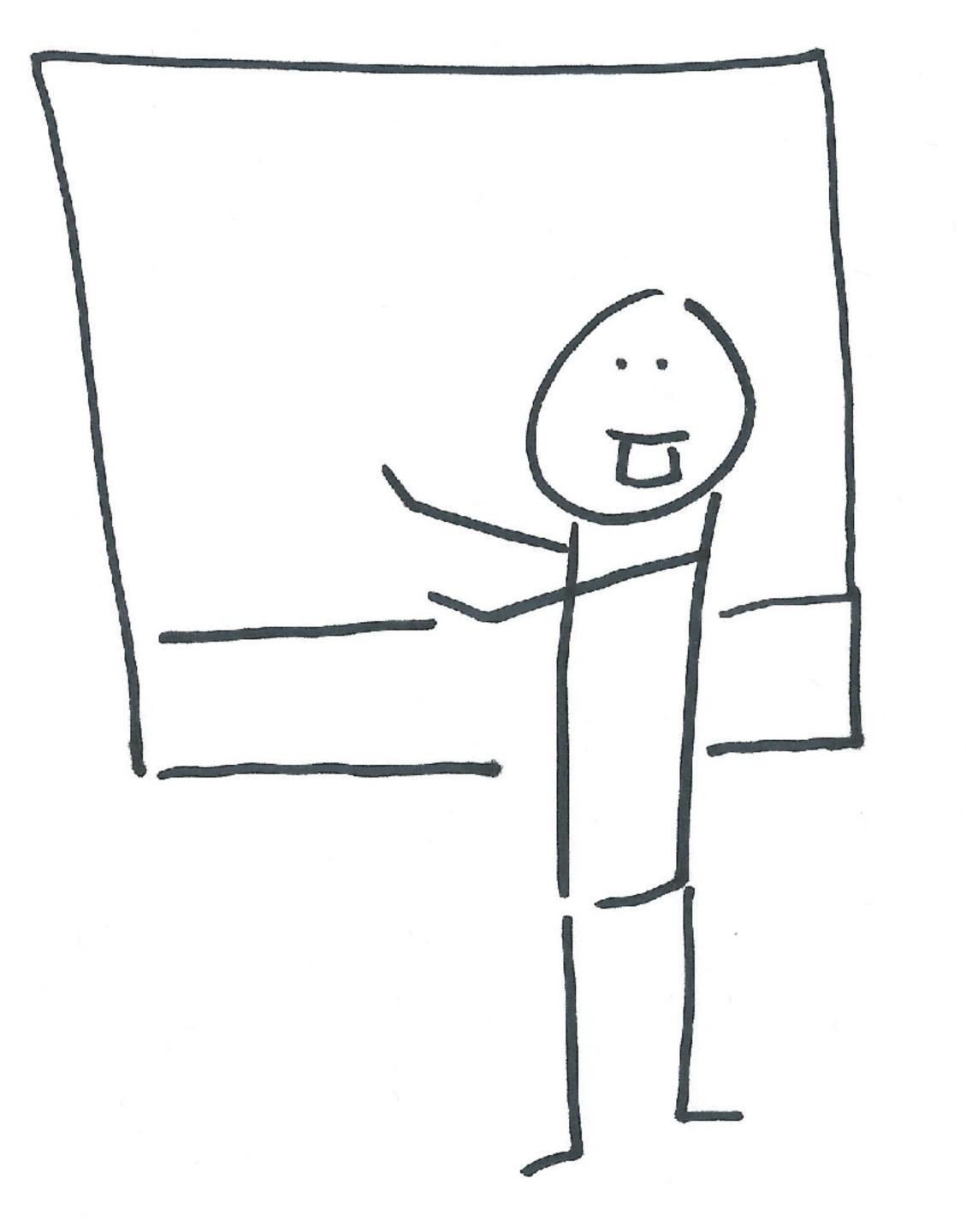
Write the Rational Team Concert plugin (one-off) Close the demo task (every story)

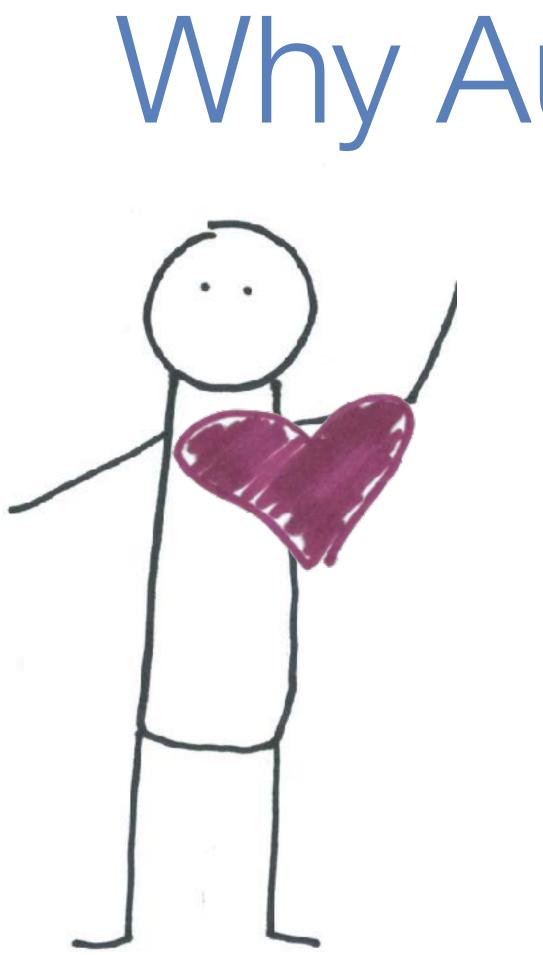


Write the Rational Team Concert plugin (one-off) Close the demo task (every story) Actually do the demo (every story)



Write the Rational Team Concert plugin (one-off) Close the demo task (every story) Actually do the demo (every story) But ... we get guaranteed demos now.





# Why Automate?

### Automate because you care









## Why Automate?

Automate because you care that it's done right















## A computer can notice problems that a human can't (like misspelled variable names)

#automationconfessions



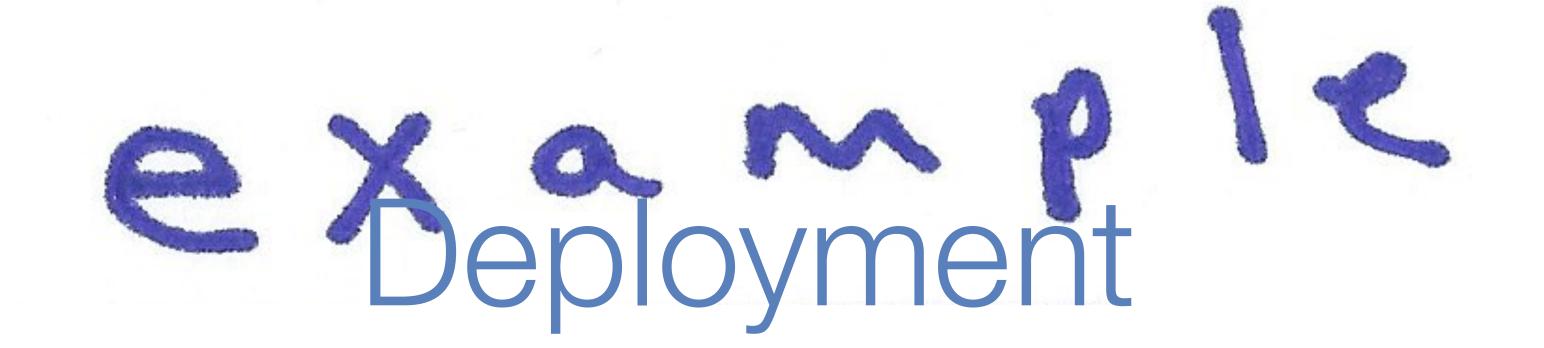




# We Findbugs A computer can notice problems that a human can't (like misspelled variable names)















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	酬 [https 🔒] developer.	ibm.com/wasdev/downloads	/					
CC RTC healthc	heck DOI Dashboards	7 day RTC pn00 server)	was.pok.ibmwikisearch/	Build dashboard	LibertyFS space usage	You * Iteration leads dashboa	rd Liberty Mailchive Search C	onco
1				IBM WebSphere Lib	erty Repository   WASde	٧		
IBM developerWorks / D	Developer Centers							
WASdev	About Ge	t started Downloa	ads Docs Sou	urce Code	Get help New	vs & Events	Search	

VAGuev

### Get started with Liberty profile

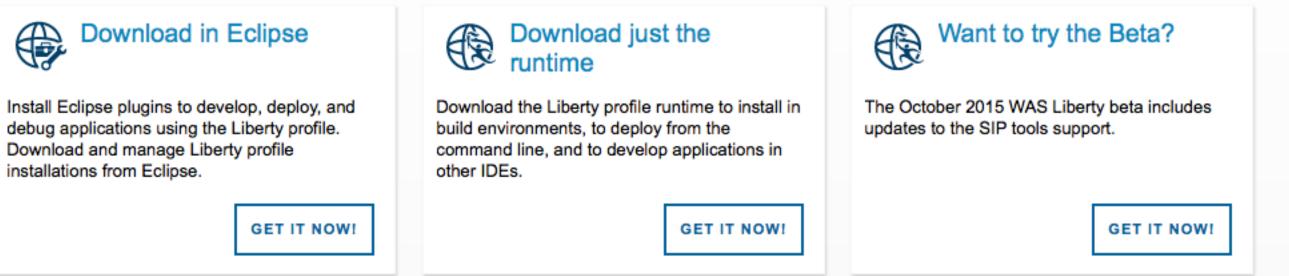




Assets



FILTERS **》** 



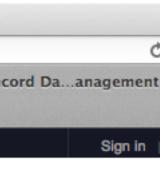
### IBM WebSphere Liberty Repository

Search			Q
Sort by:	Featured	Date Name	≣≣

WAS Liberty V8.5.5.7 with Java EE 7 Full Platform Released: 11 September 2015

WAS Liberty V8.5.5.7 with Java EE 7 Technologies: The lightweight WAS Liberty is production-ready and designed for developers. This ZIP file is Java EE 7 certified.









WASdev

Get started

About

### Should be easy, right?





Assets

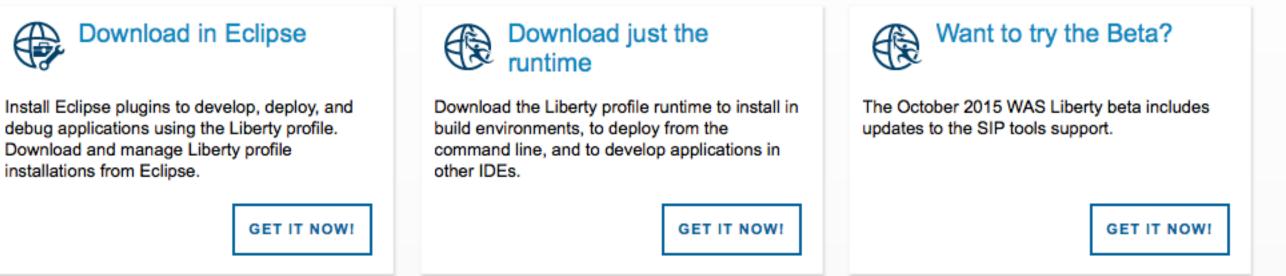


FILTERS **》** 

#automationconfessions

IBM WebSphere Liberty Repository   WASdev							
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on00 server)	was.pok.ibmwikisea		LibertyFS space usag berty Repository   WAS		Iteration leads dashboard	Liberty Mailchive Search	Conco
Downloa	ds Docs	Source Code	Get help Ne	ws & E\	vents	Searc	ch

#### Get started with Liberty profile



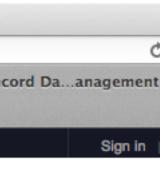
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Sort by:	Featured	Date Name	≣≣

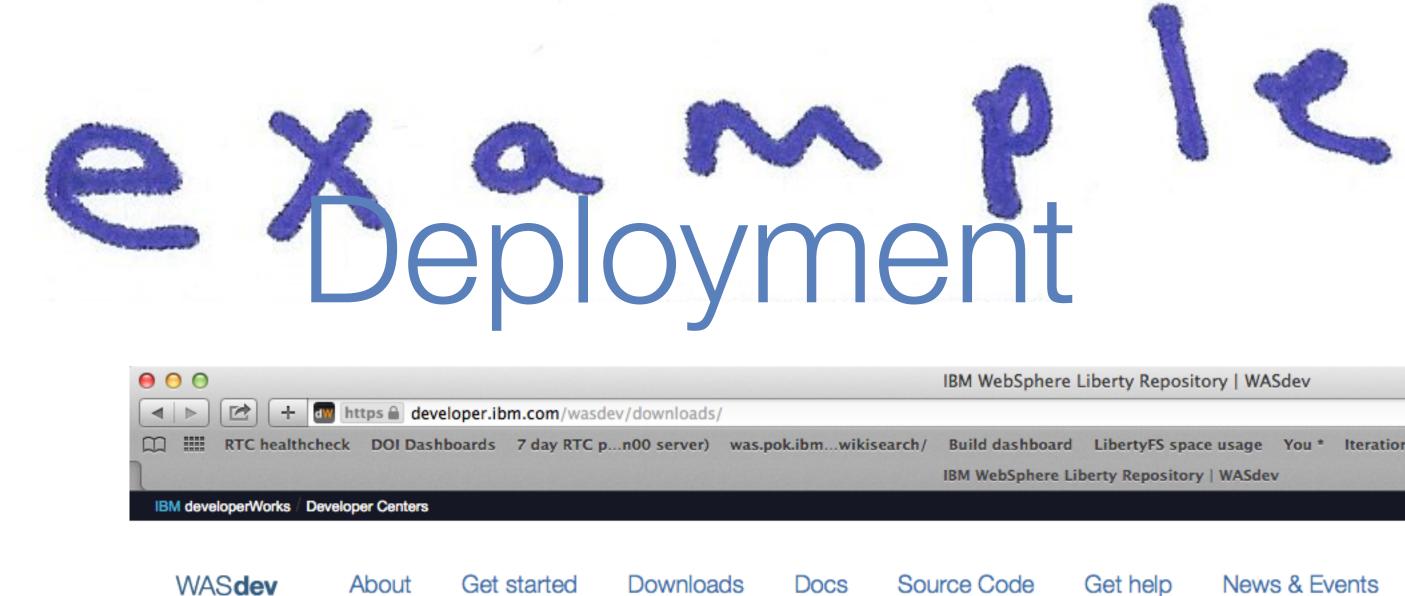
WAS Liberty V8.5.5.7 with Java EE 7 Full Platform Released: 11 September 2015

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## Should be easy, right? Always one step that gets forgotten ...









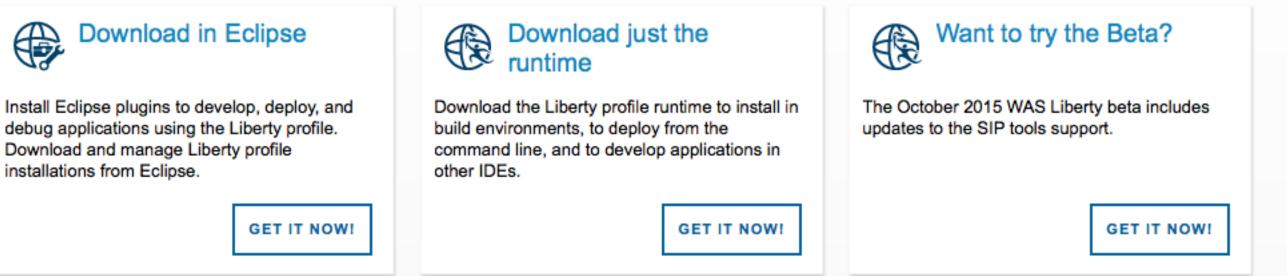
Assets



#automationconfessions

IBM WebSphere Liberty Repository   WASdev							
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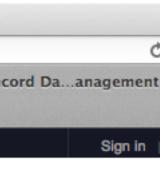
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NAME

cloudant

conversatio

conversatio

elasticsear

nlc-classifi

nic-

nlc- -trai

Speech to

#automationconfessions

# Swapping a Watson Service

All Services (8)

Create Service 🕀

#### Services 19/1500 Used

	SERVICE OFFERING	PLAN	ACTIONS
	Cloudant NoSQL DB	Shared	:
tion	Conversation	standard	:
tion-workspace		n/a	0 0 0
arch	Compose for Elasticsearch	Standard	:
fiers		n/a	:
	Natural Language Classifier	standard	:
aining	Natural Language Classifier	standard	:
o Text	Speech to Text	standard	* * *







### Four weeks ago: 3 configuration errors in one week. Oops.

Services 19/1500 Used

NAME

cloudant

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o Text	Speech to Text	standard	* *







### Four weeks ago: 3 configuration errors in one week. Oops.

"name": "nlc-classifiers", nlo- -tra "credentials": { Speech to "classifiers":[ {"classifier id":"004a12x110-nlc-922","includes":[null],"excludes":null}, {"classifier id":"e82f62x108-nlc-2895","includes":[null],"excludes":null}, {"classifier id":"e3ca6dx107-nlc-3412","includes":[null],"excludes":null}, {"classifier id":"e3ca6dx107-nlc-3413","includes":["AAA"],"excludes":null}, {"classifier id":"8aff06x106-nlc-11119","includes":["EEE"],"excludes":["BRD","FRP"]}, {"classifier id":"e82f62x108-nlc-2896","includes":["XYZ","ABC"],"excludes":null}, {"classifier id":"0877dax111-nlc-558","includes":["WWW","SSS","YYY","FFF"],"excludes":null}, {"classifier id":"8aff06x106-nlc-11121","includes":["BBB"],"excludes":null} ] } }

# Swapping a Watson Service

#### All Services (8)

Create Service 🕀

#### Services 19/1500 Used

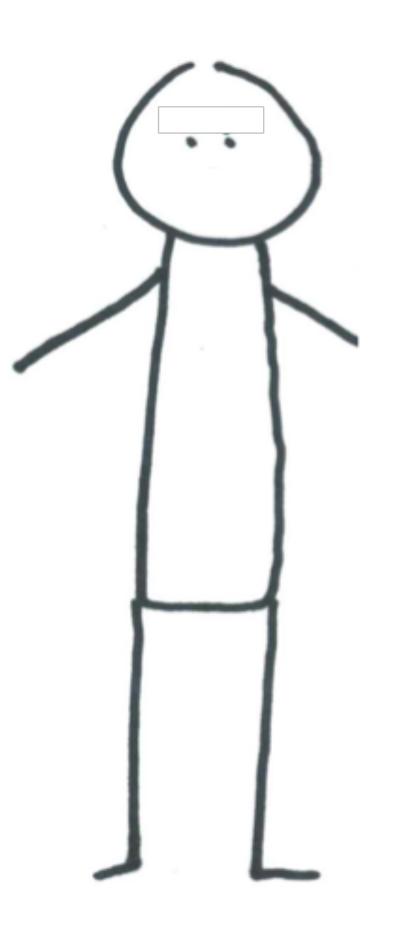
NAME	SERVICE OFFERING	PLAN	ACTIONS
cloudant	Cloudant NoSQL DB	Shared	:
conversation	Conversation	standard	:
conversation-workspace		n/a	*
elasticsearch	Compose for Elasticsearch	Standard	:
nlc-classifiers		r/a	0 9 0
nic-	Natural Language Classifier	standard	÷
nlc	Natural Language Classifier	standard	:
Speech to Text	Speech to Text	standard	:





# Why automate?





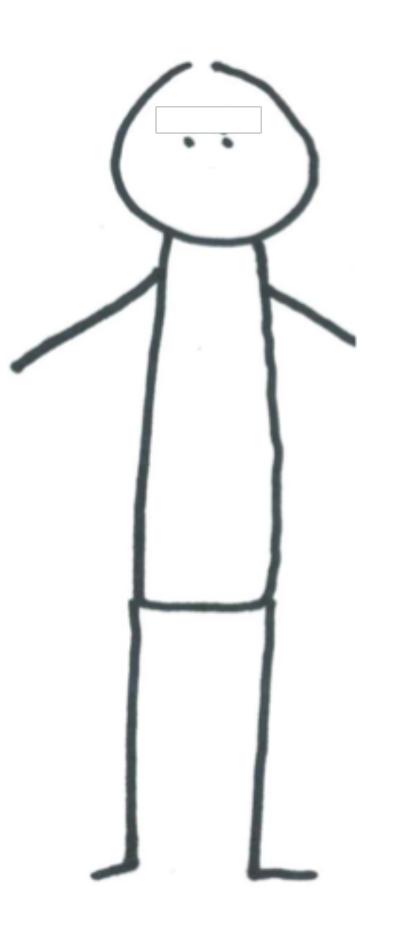
# Why automate?



# Why automate?

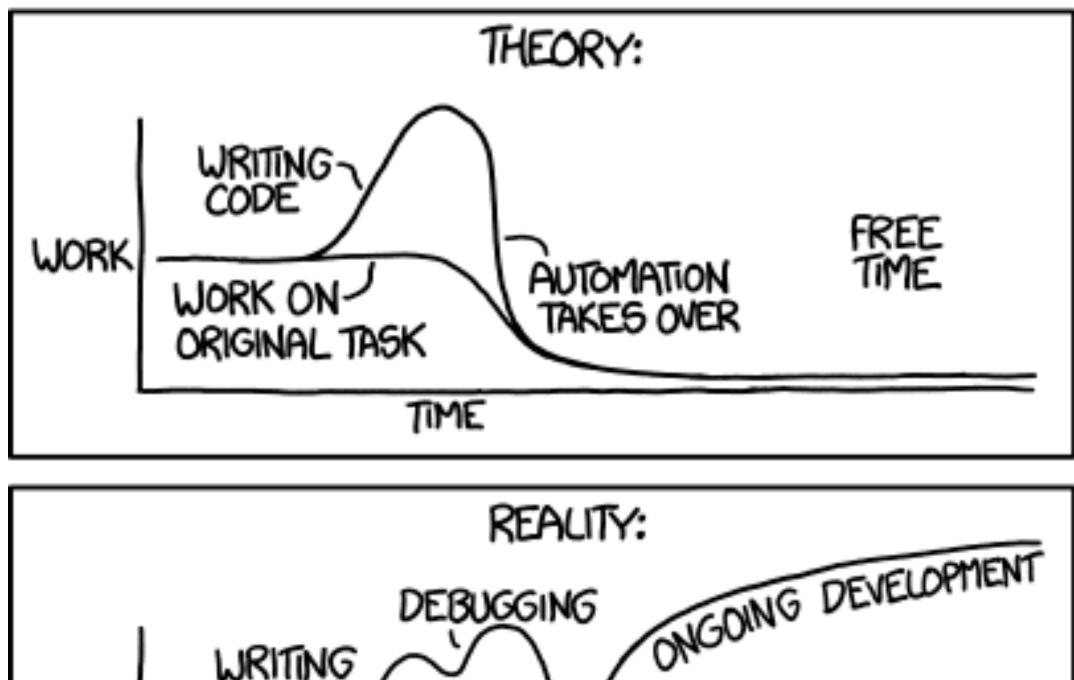
## Automate because it's fun

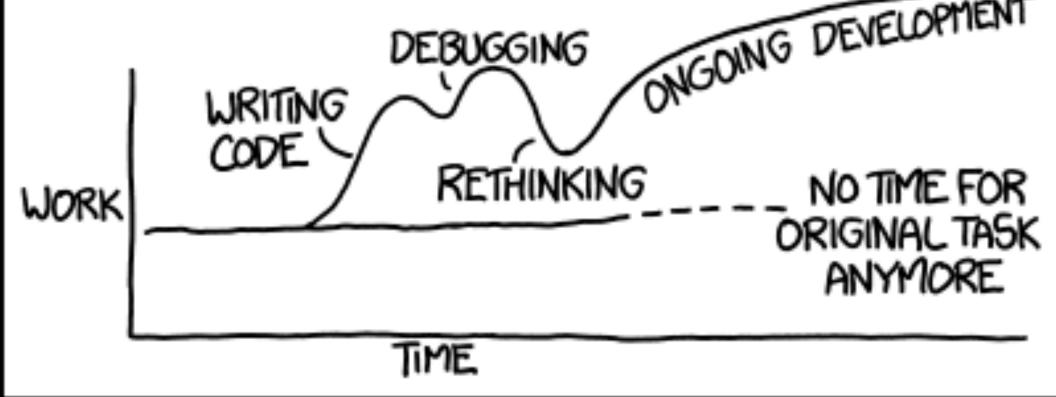




Why not automate

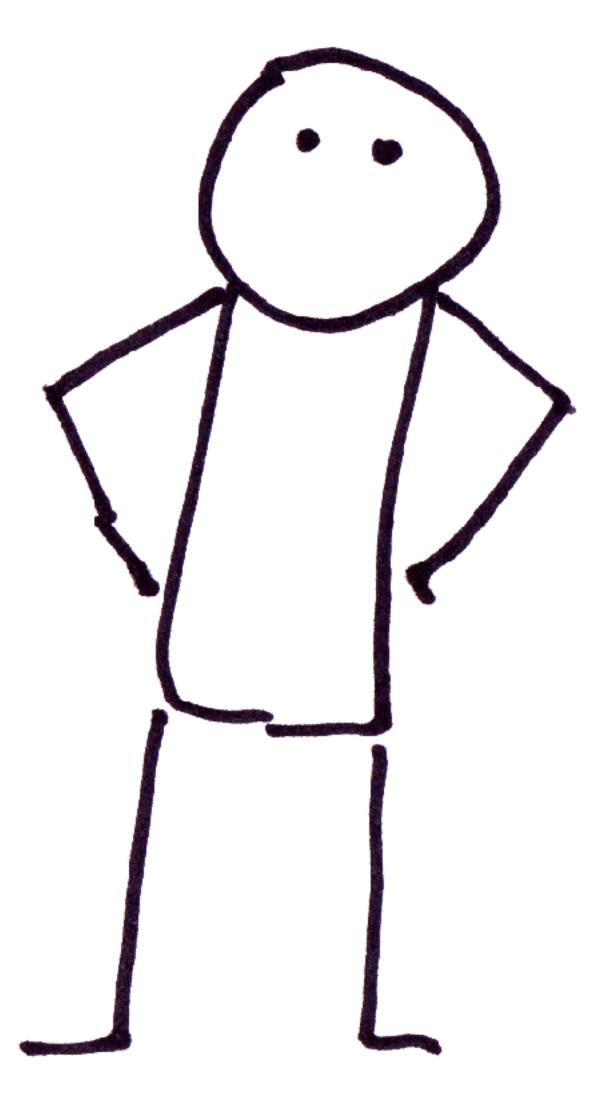
#### "I SPEND A LOT OF TIME ON THIS TASK. I SHOULD WRITE A PROGRAM AUTOMATING IT!"





thanks (for everything!), xkcd.com

# Why not automate?



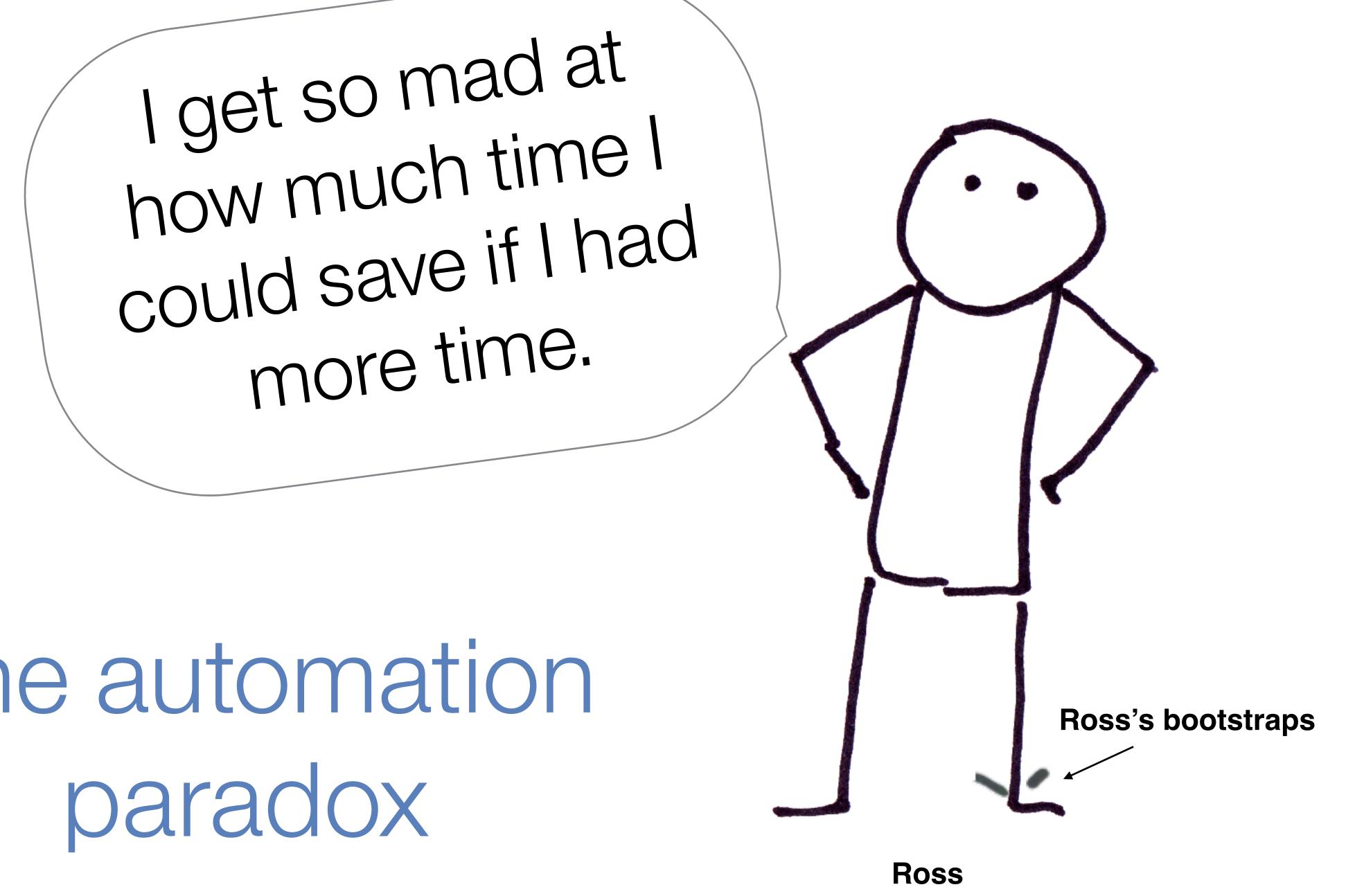


# I get so mad at how much time I could save if I hao more time.



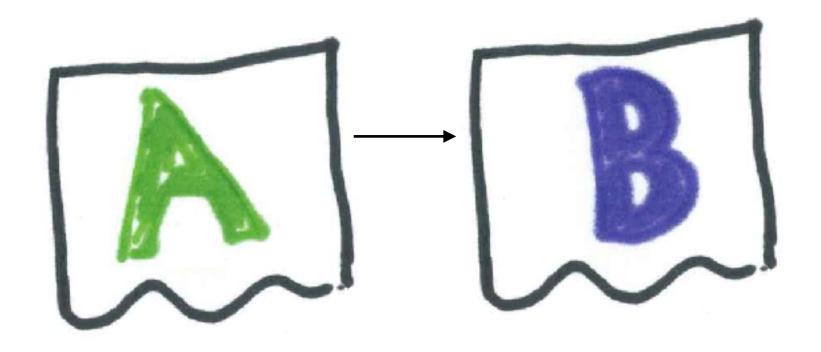
# I get so mad at how much time I could save if I hao more time.





# The automation

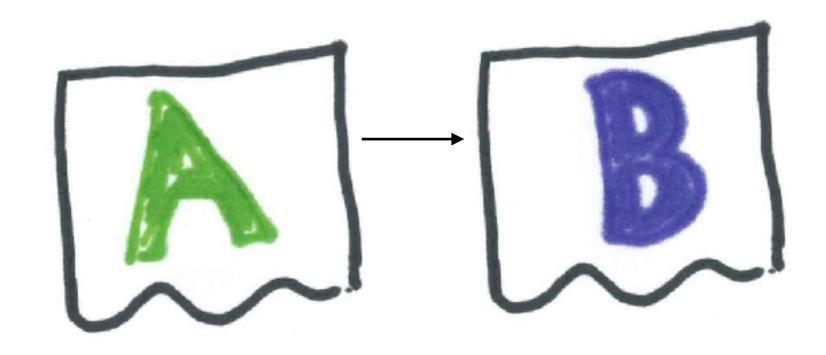








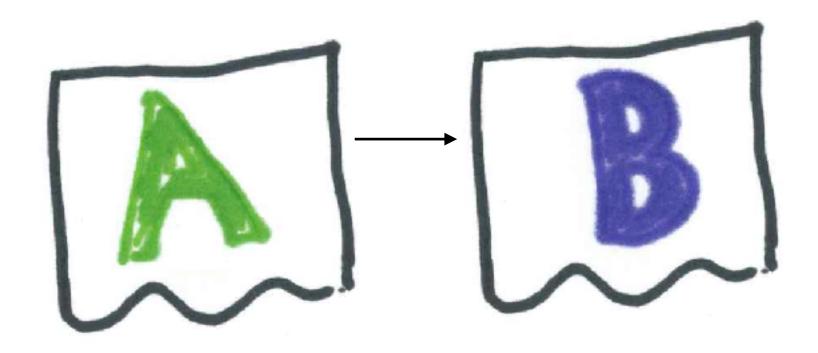










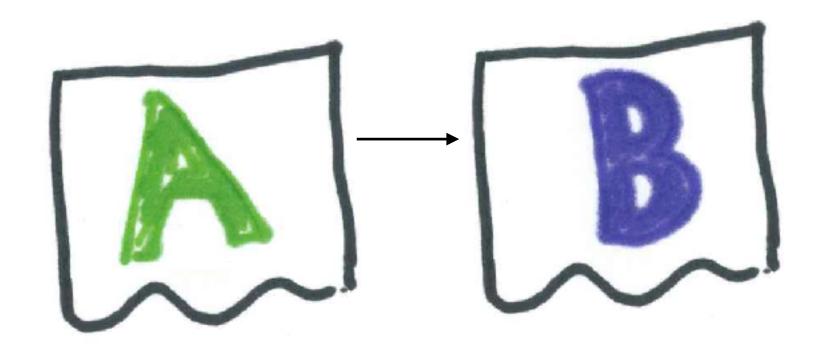


### find something | exec something {} + ; ?!







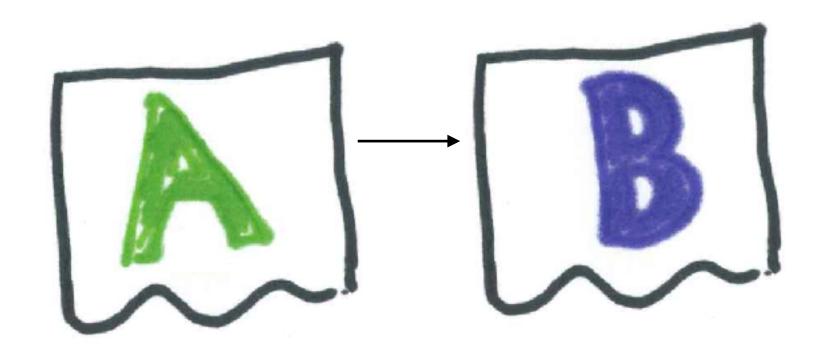


### find something | exec something {} + ; ?! for ... then sed something; mv \$i.bak \$i; ... ?





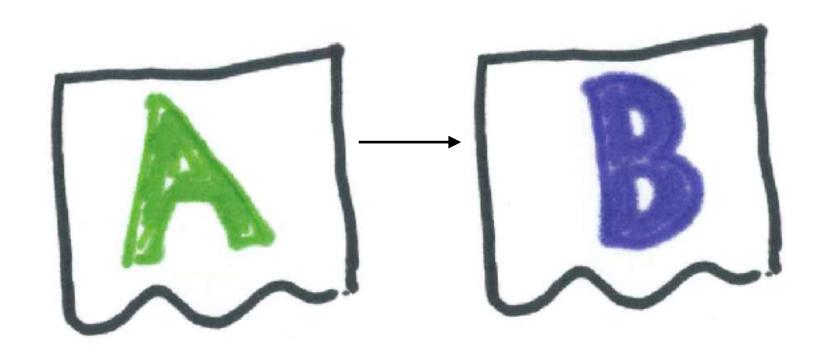




### find something | exec something {} + ; ?! for ... then sed something; mv \$i.bak \$i; ... ? sedder.sh and dosed.sh and ... ?







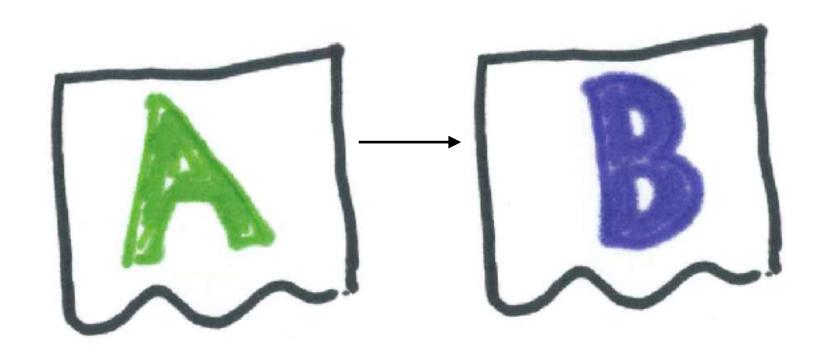
# sedder.sh and dosed.sh and ... ? perl ... um .. something?

#automationconfessions

find something | exec something {} + ; ?! for ... then sed something; mv \$i.bak \$i; ... ?







sedder.sh and dosed.sh and ... ? perl ... um .. something?

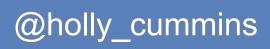
#automationconfessions

find something | exec something {} + ; ?! for ... then sed something; mv \$i.bak \$i; ... ?











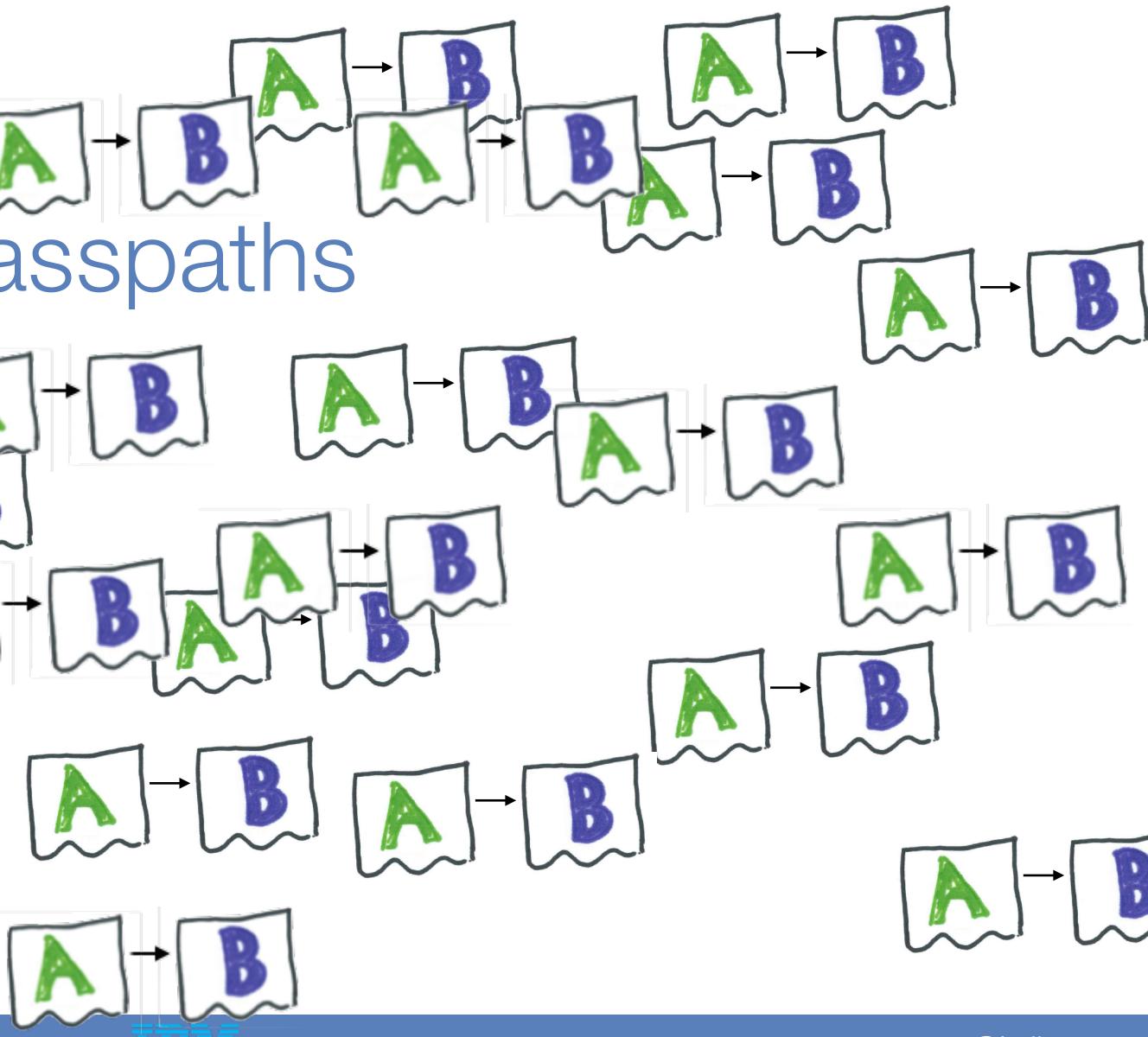
## Fixing 26 classpaths



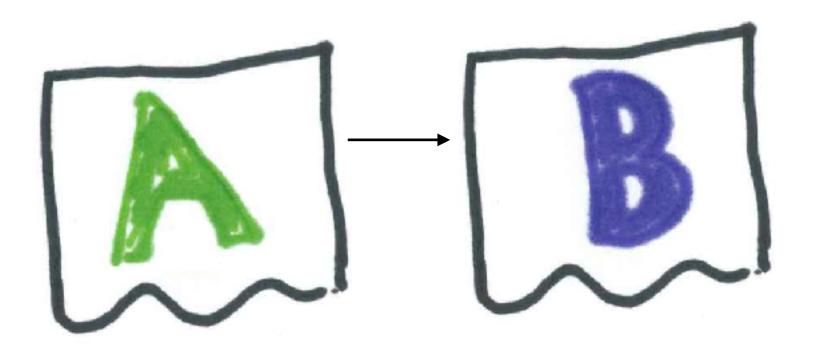












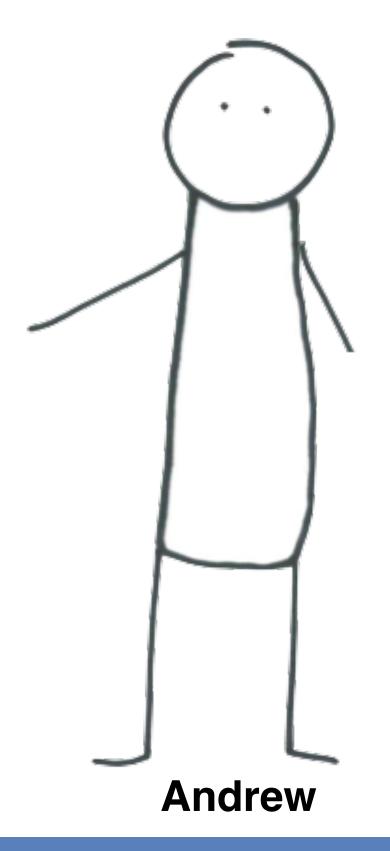
### perl -pi -w -e 's/SEARCH\_FOR/REPLACE\_WITH/g;' \*.txt

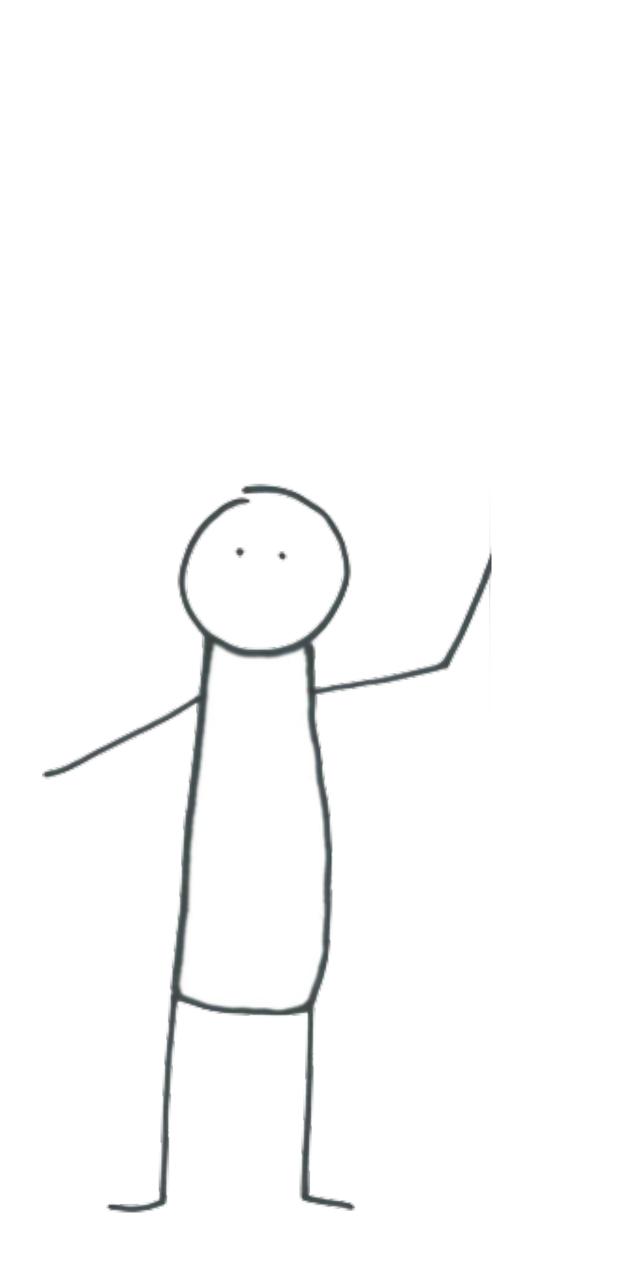








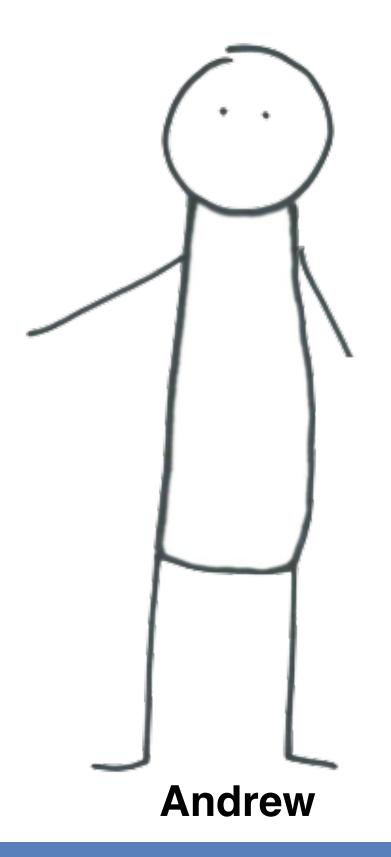




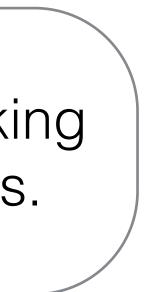
### 14:29, November 9th.

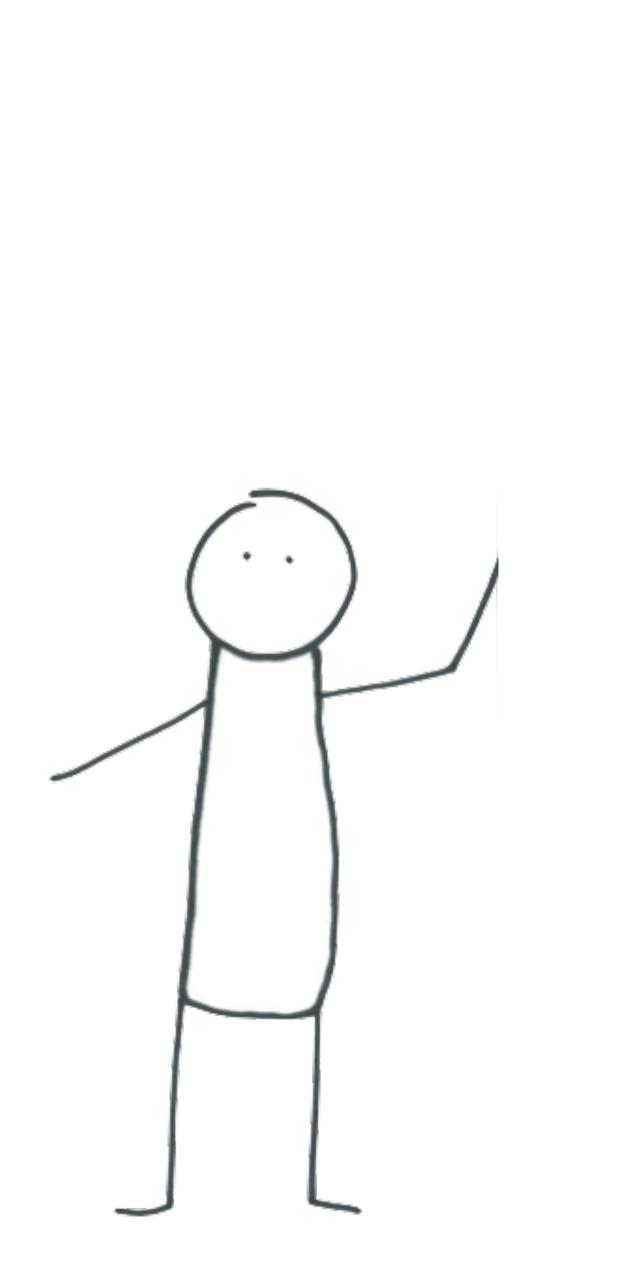
Holly





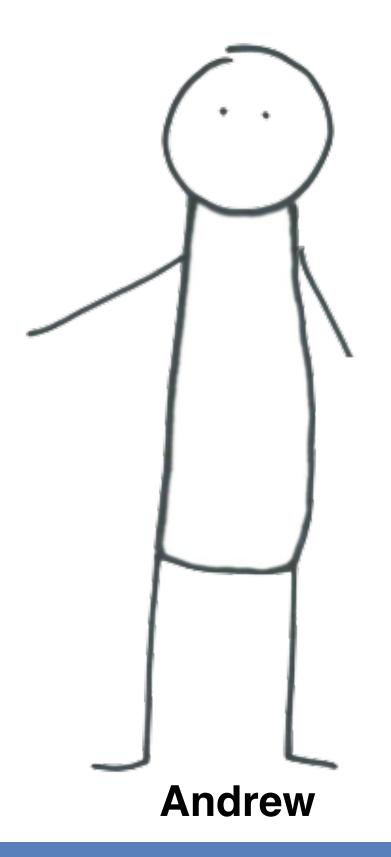
#automationconfessions



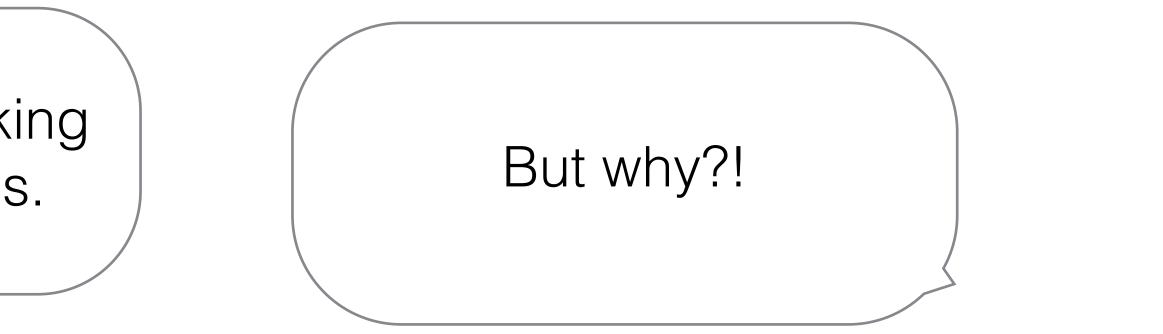


### 14:29, November 9th.

Holly



#automationconfessions



### 14:29, November 9th.

Holly



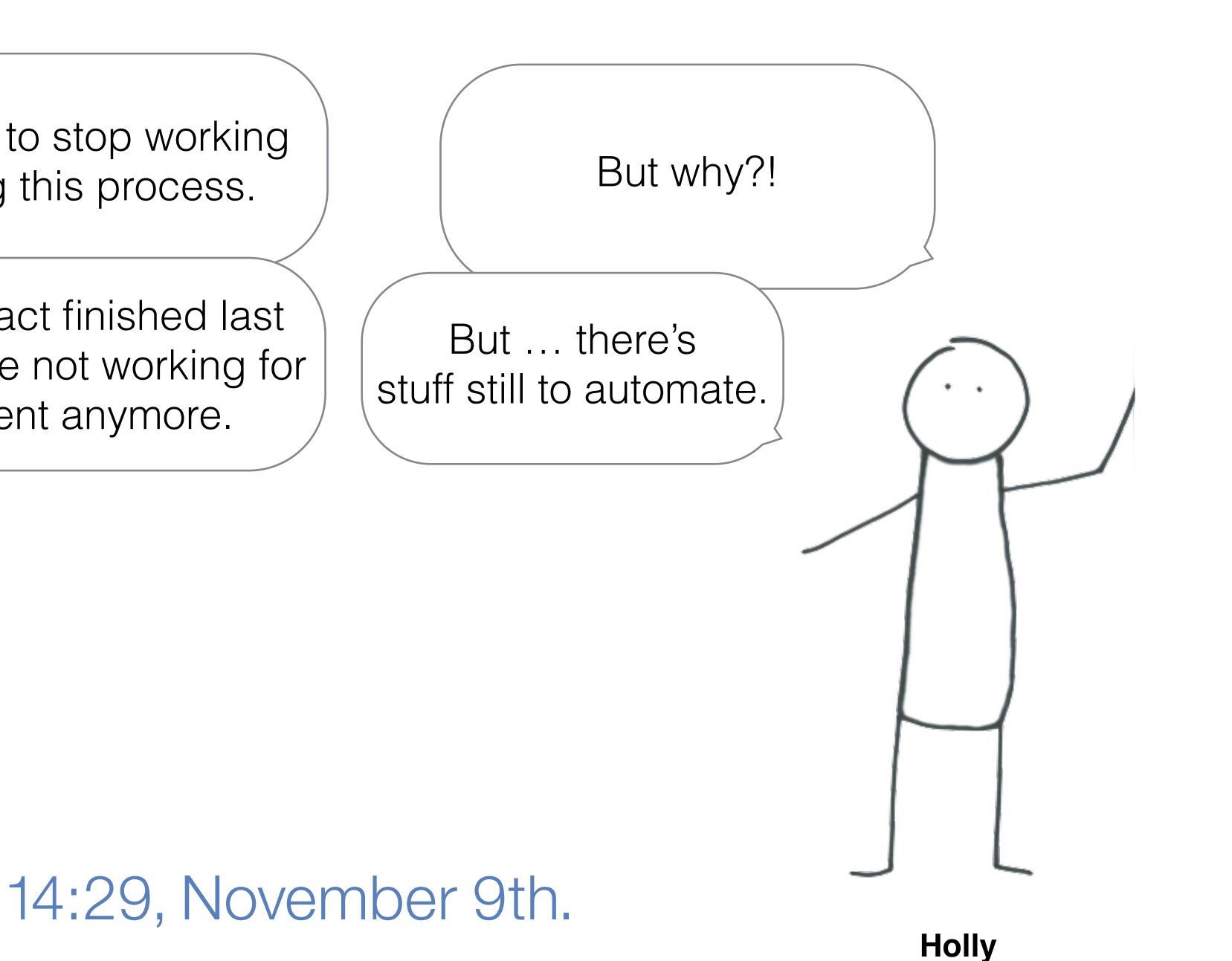
> The contract finished last week. We're not working for that client anymore.



#automationconfessions

Andrew

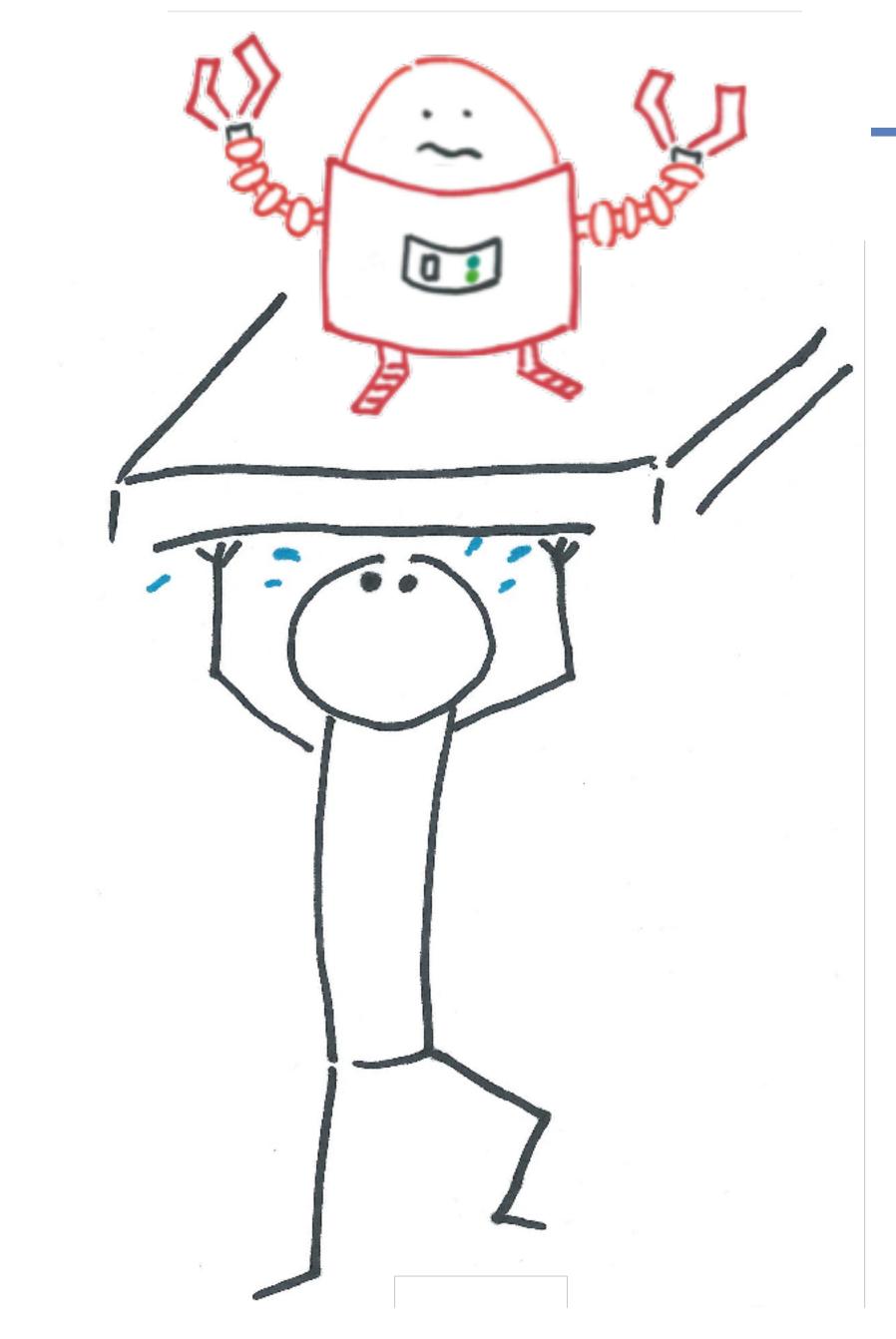
> The contract finished last week. We're not working for that client anymore.

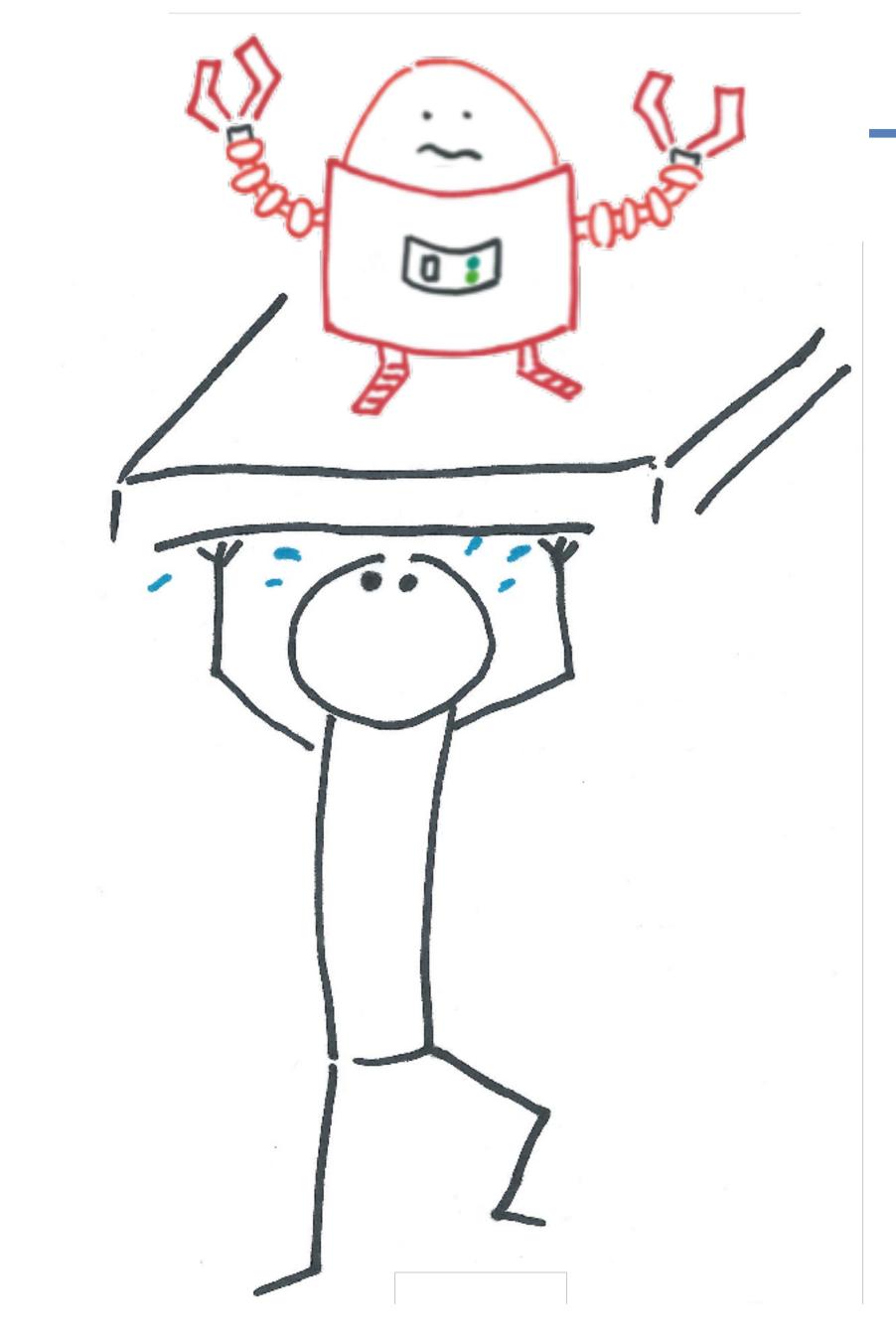


#automationconfessions

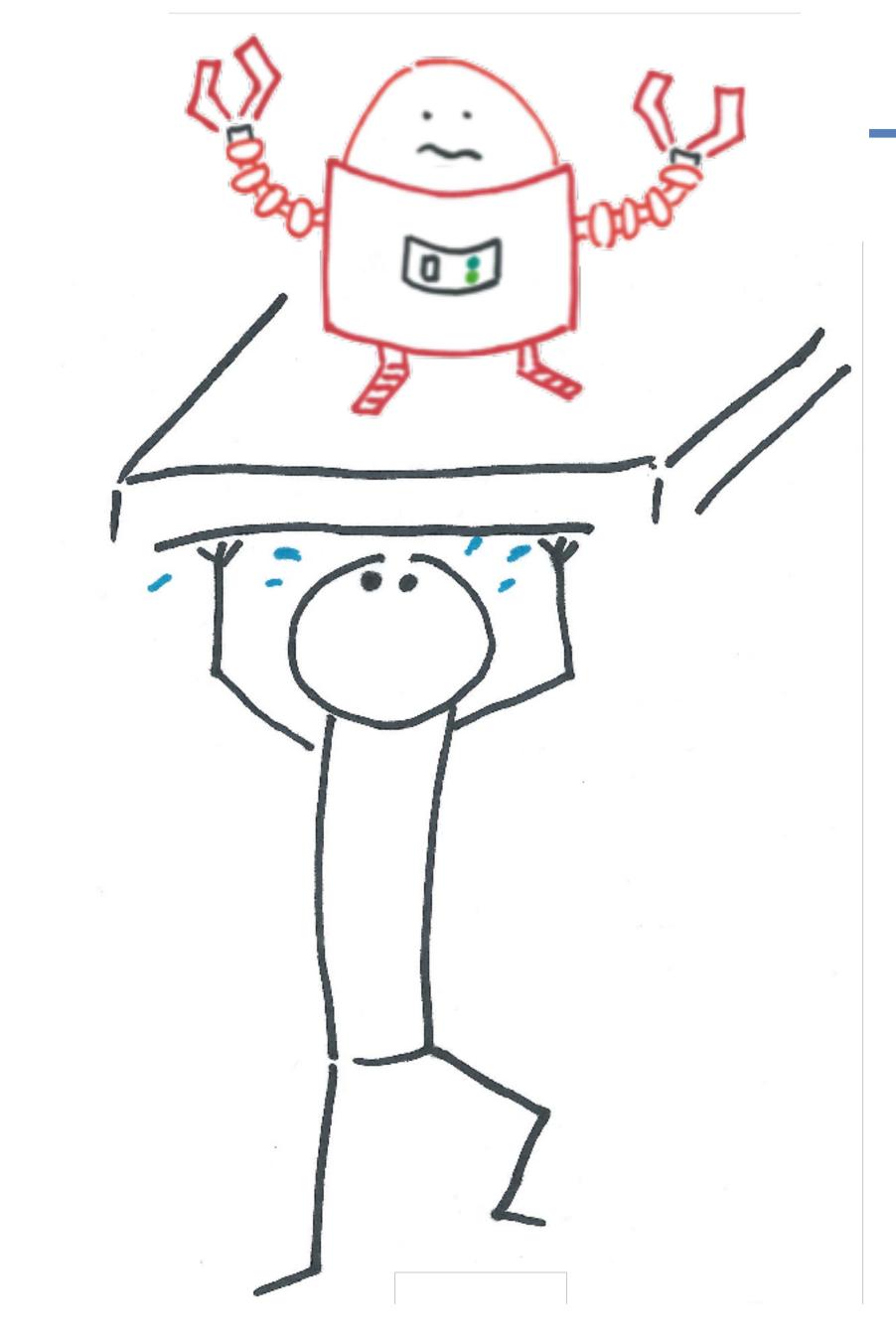
Andrew



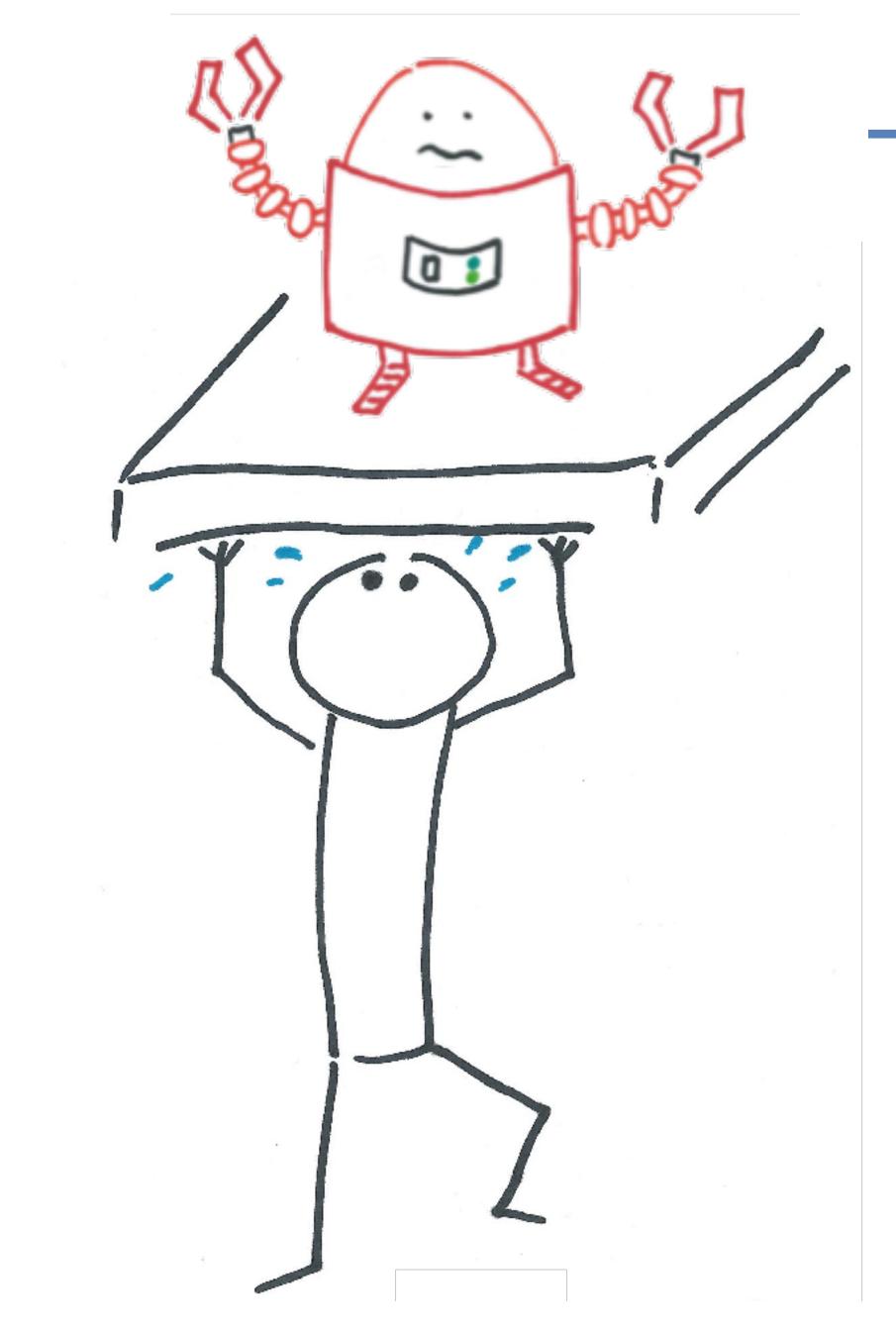




# Think about support.

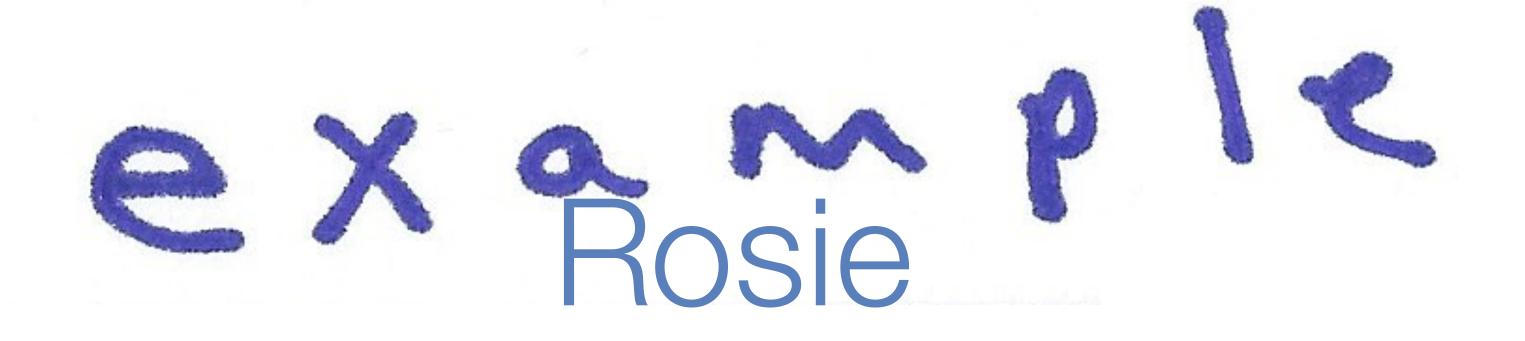


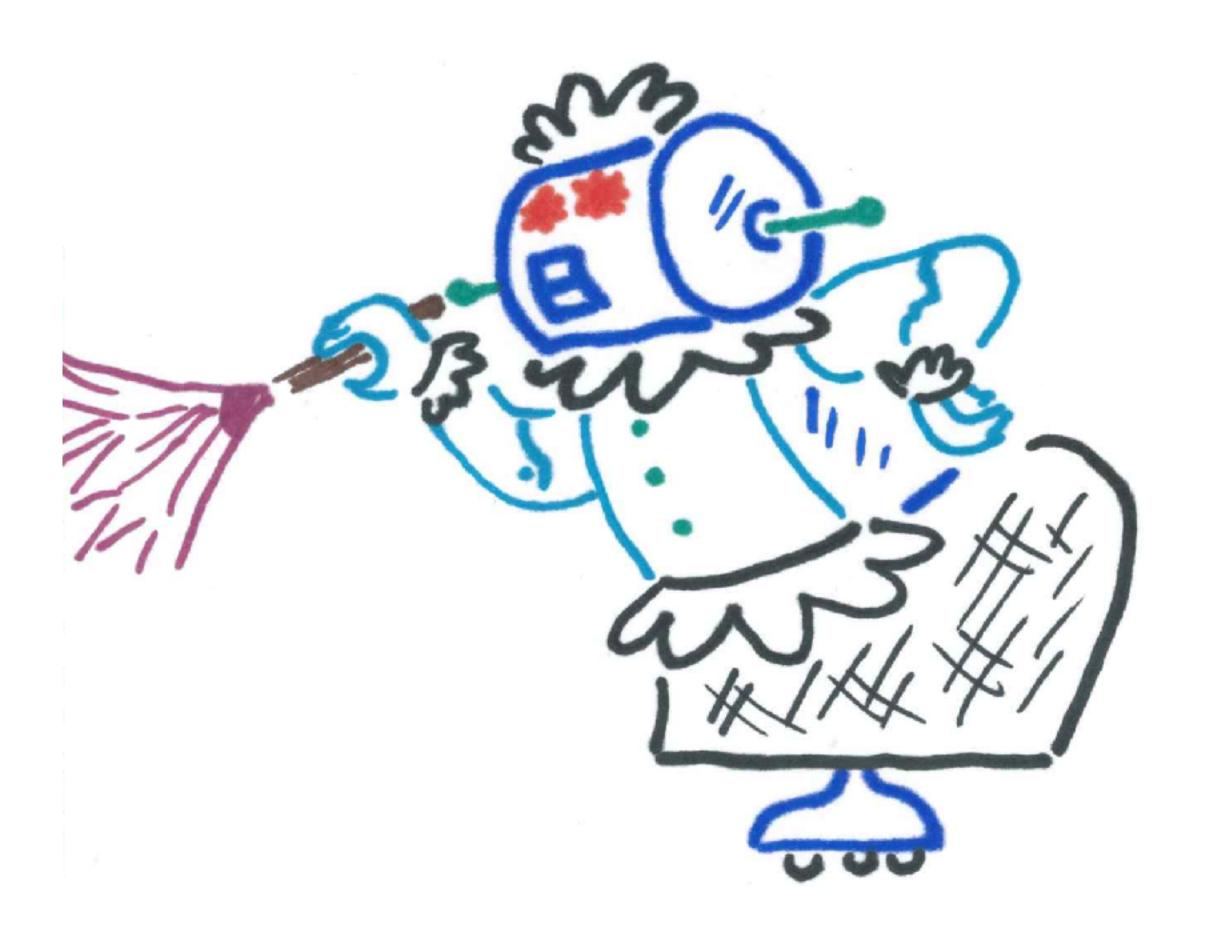
# Think about support.



Think about support.

Think about robustness.



















#### Rosie ate the world.







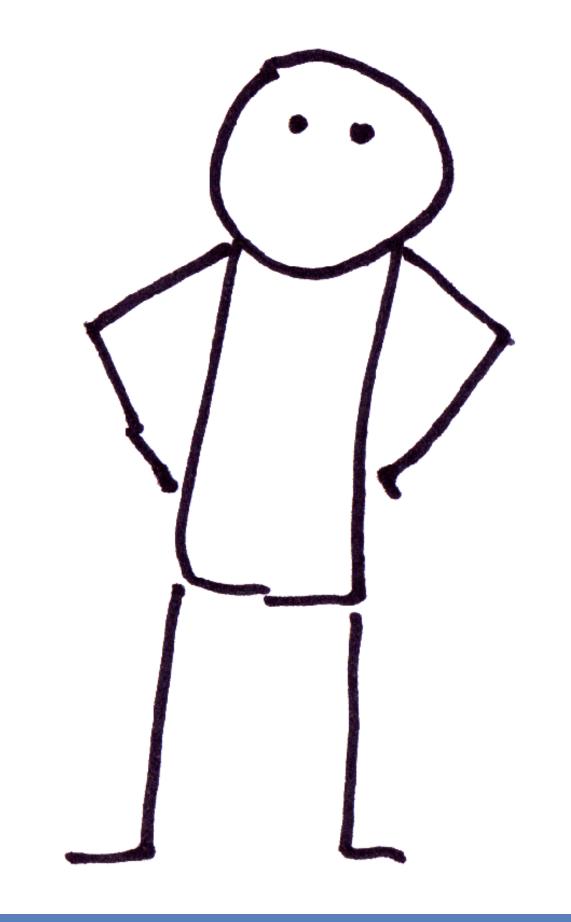




#### Give hefty automations adorable names



# Questions to ask before automating









# Who can maintain this automation?

#automationconfessions

# to ask before mating







# Who can maintain this automation?

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#### Who can manage this automation?

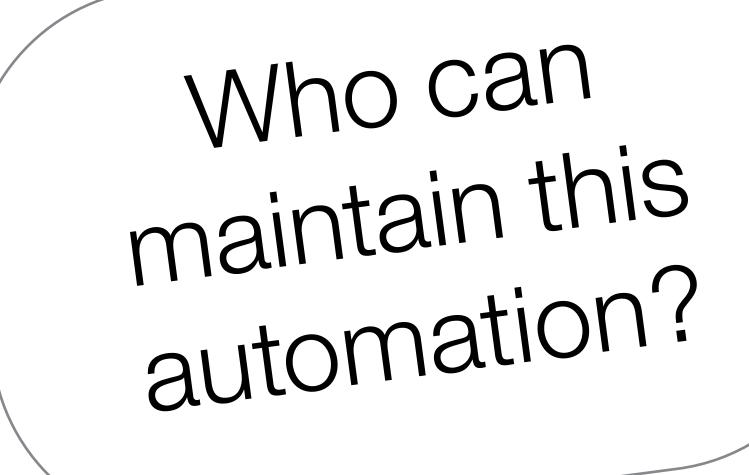


toa

mat







#### How much will it cost?

#### Who can manage this automation?

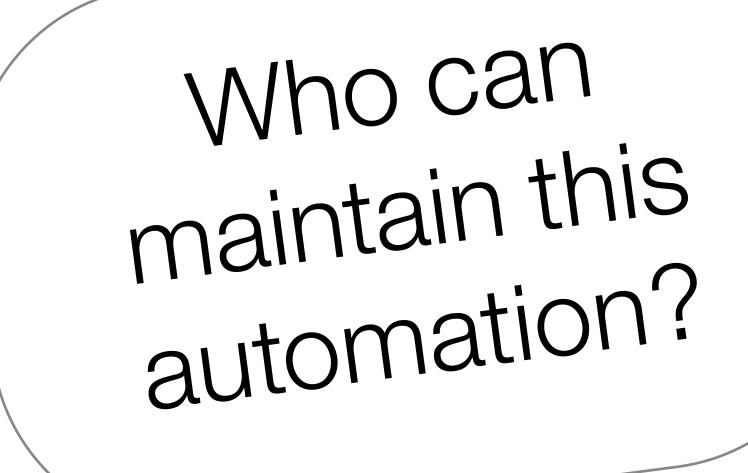


toa

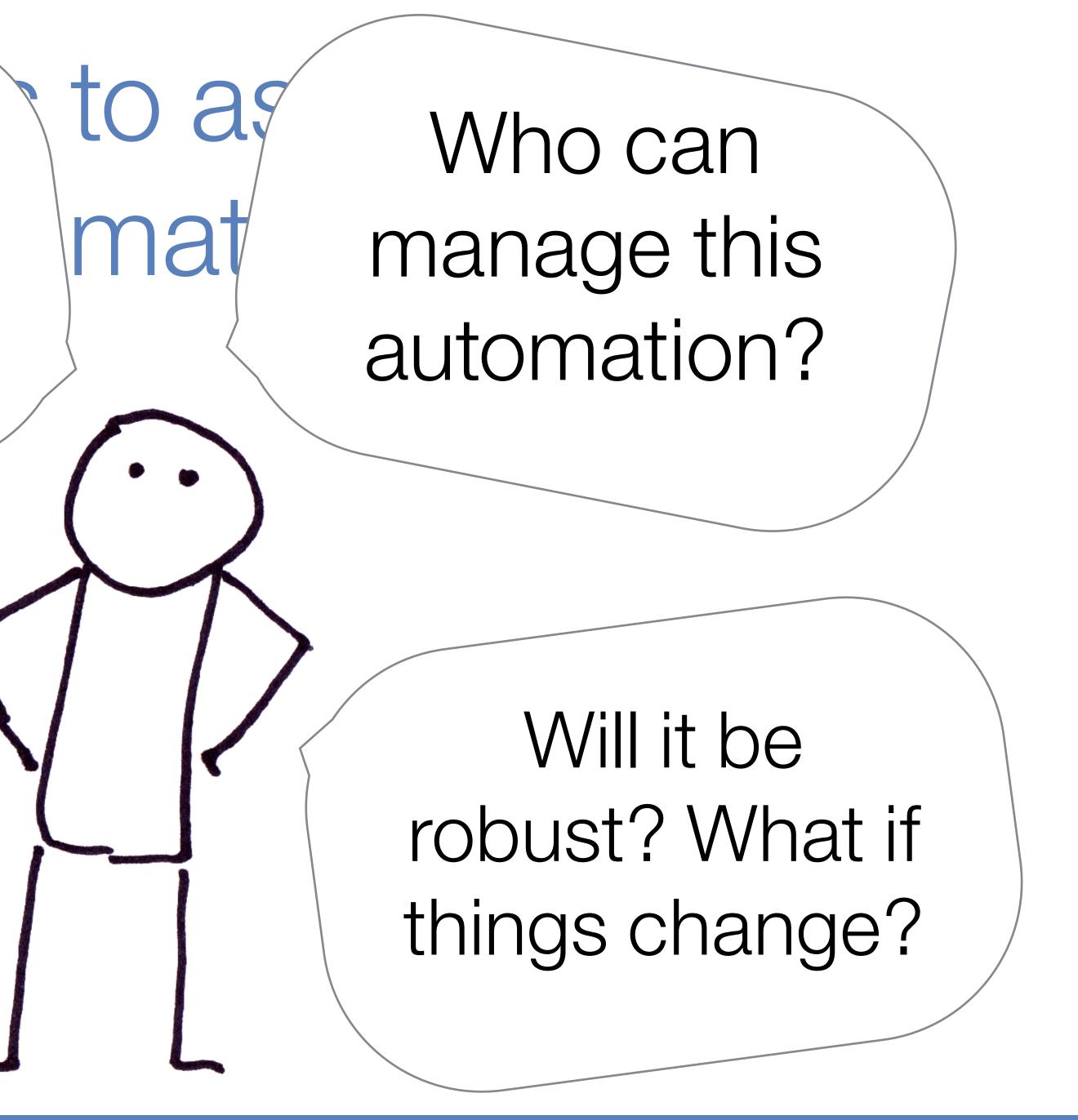
mat





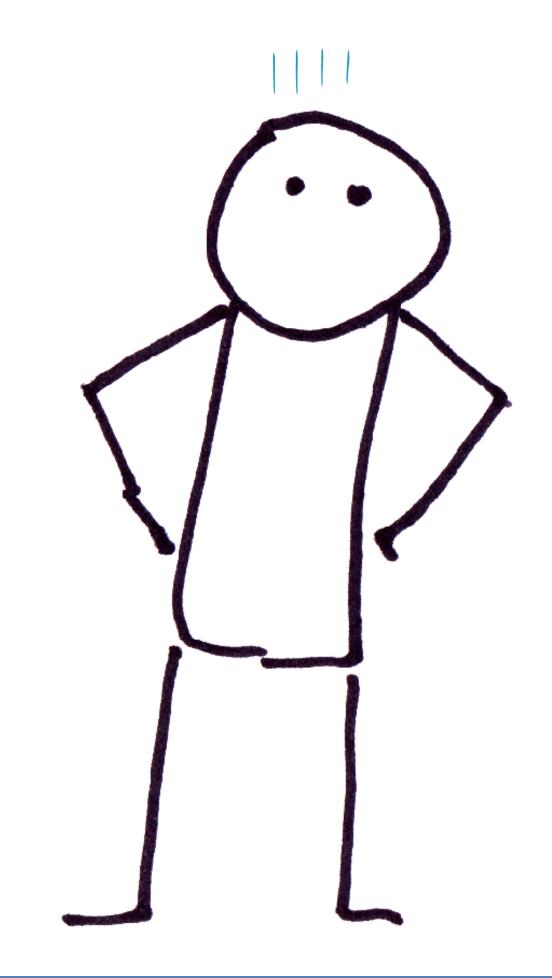


#### How much will it cost?



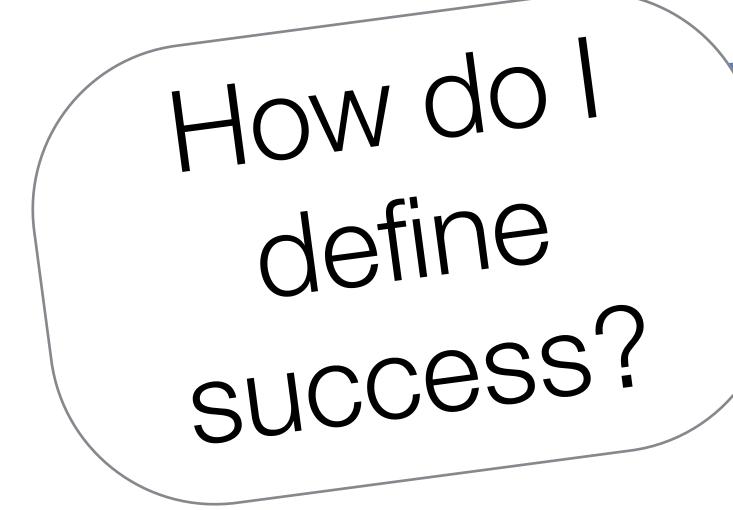


## Checkpoint during automation







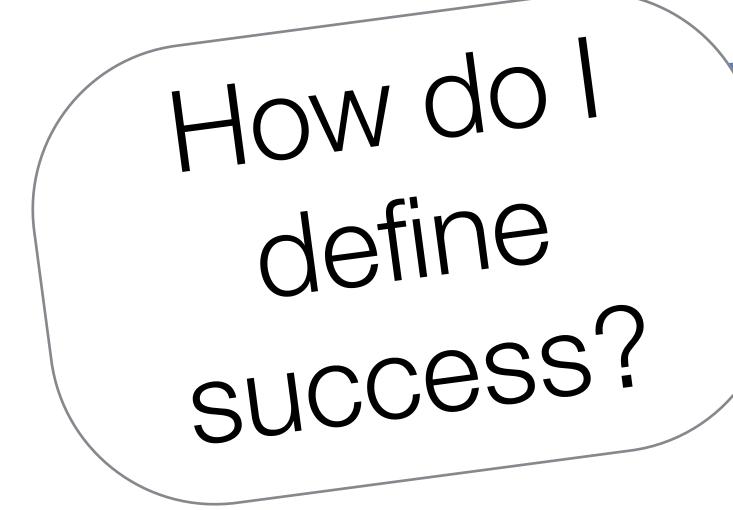


# voint during mation





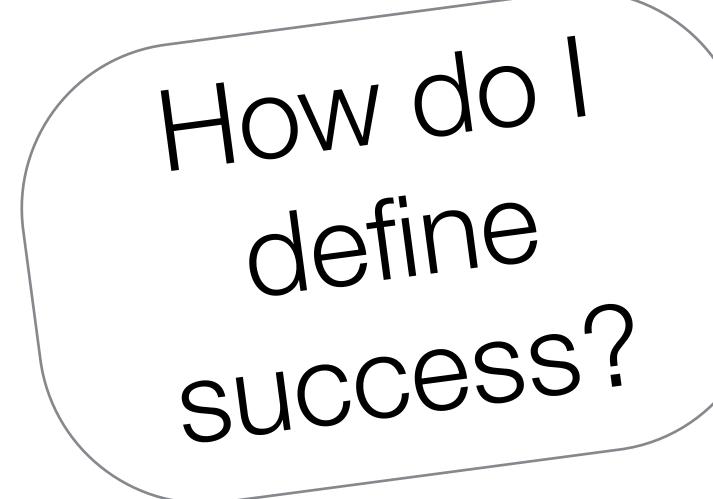




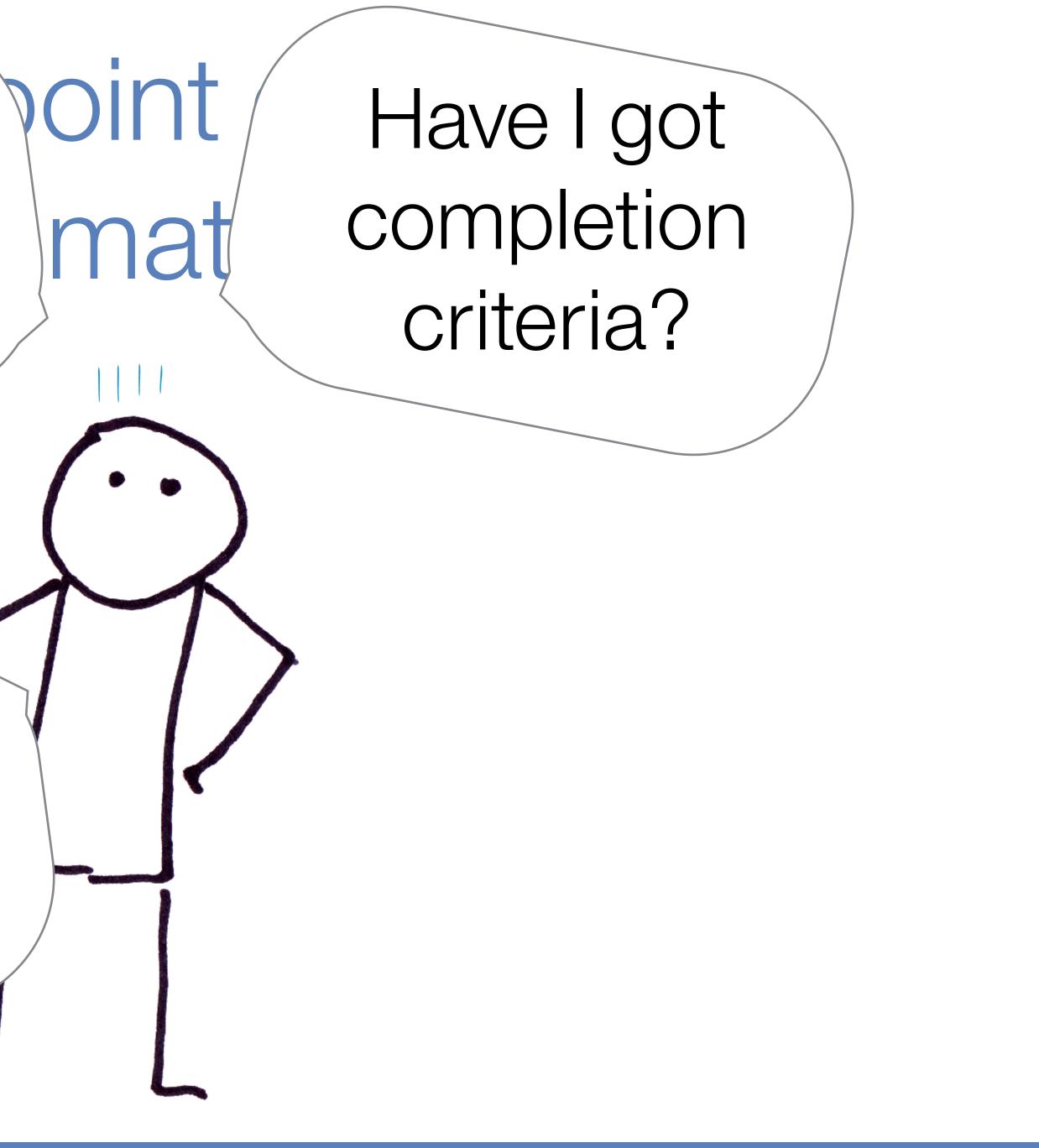






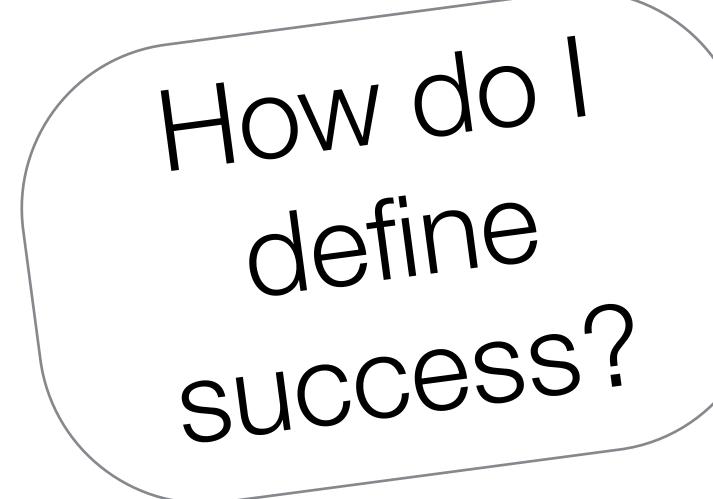


#### Am I still saving time?









#### Am I still saving time?









#### Don't Lose Your Perspective.

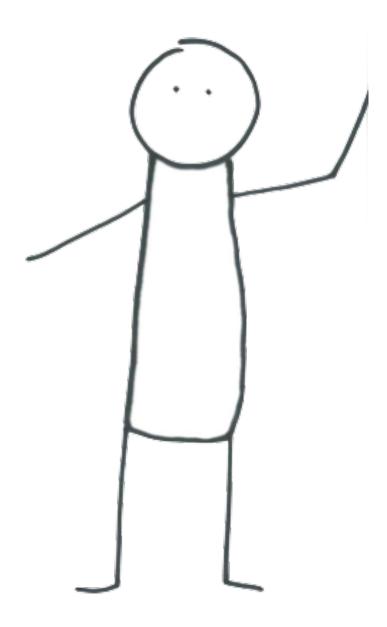








#### A clever automation isn't so clever if only one person understands it...

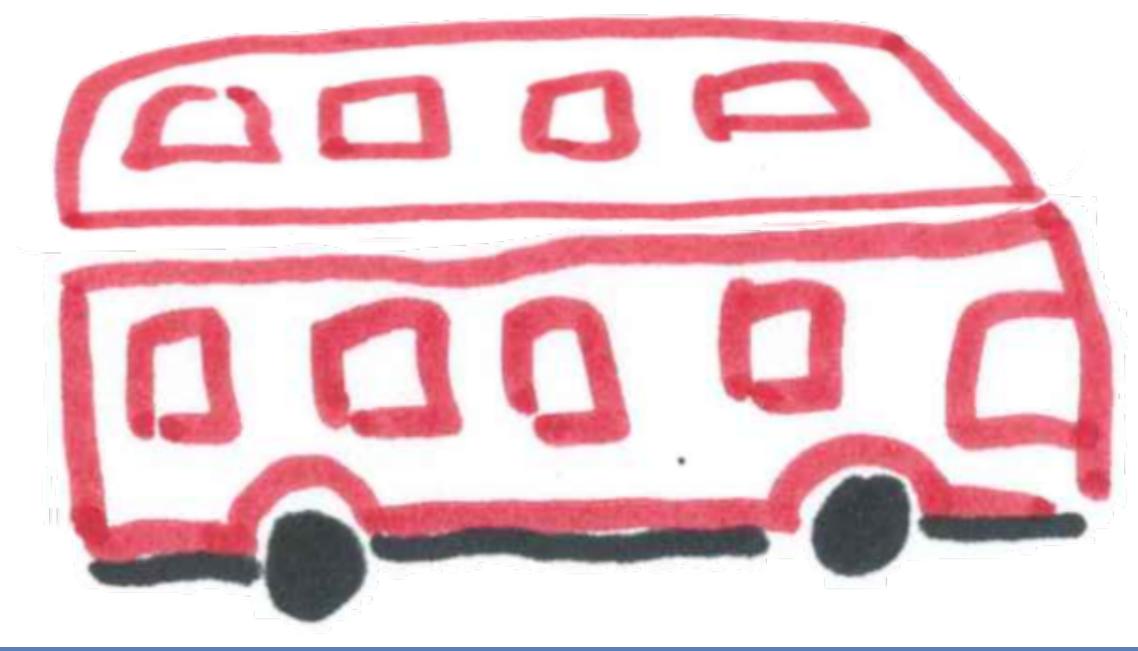


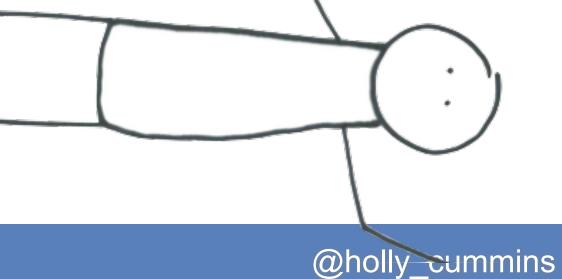






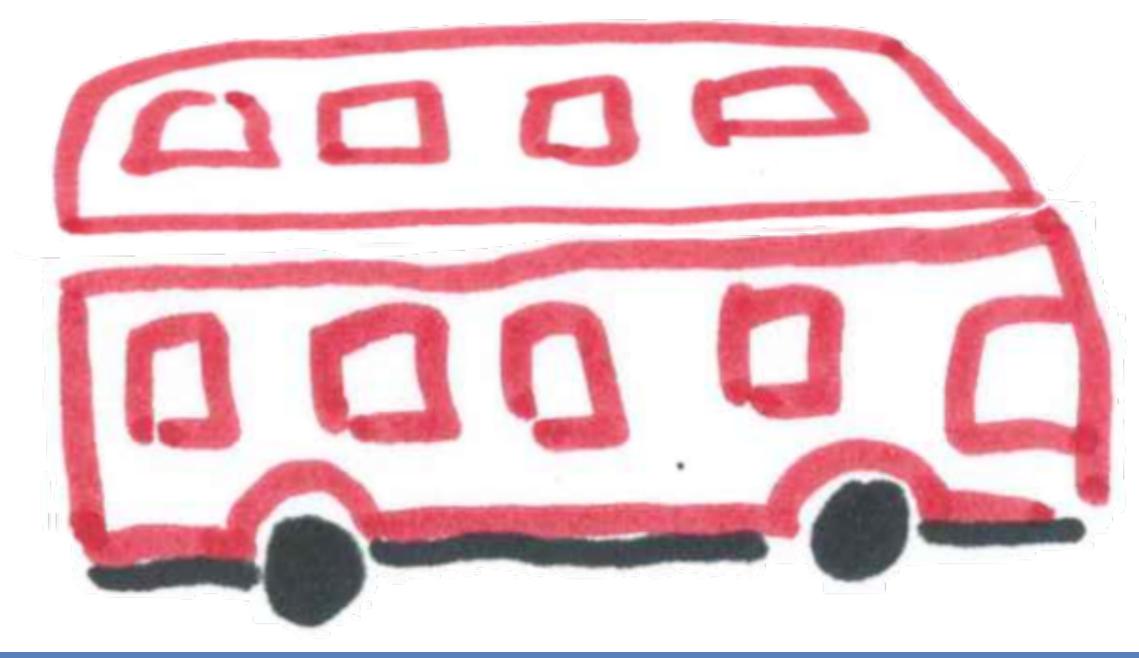
#### A clever automation isn't so clever if only one person understands it...









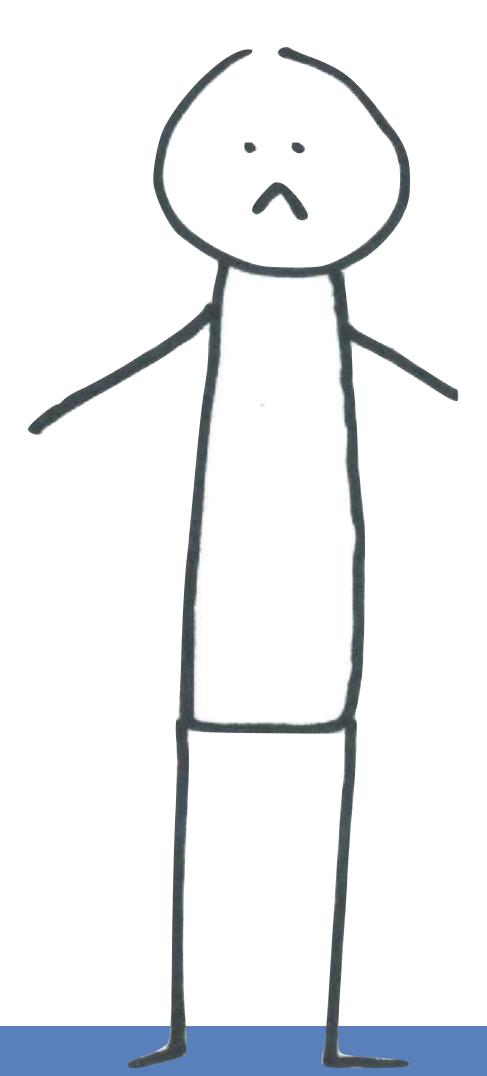


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A clever automation isn't so clever if only one person understands it... ... and they get hit by a bus.













CO.

#automationconfessions

Should I automate this process...







CO.

#automationconfessions

Should I automate this process...

... or should I *change* it?



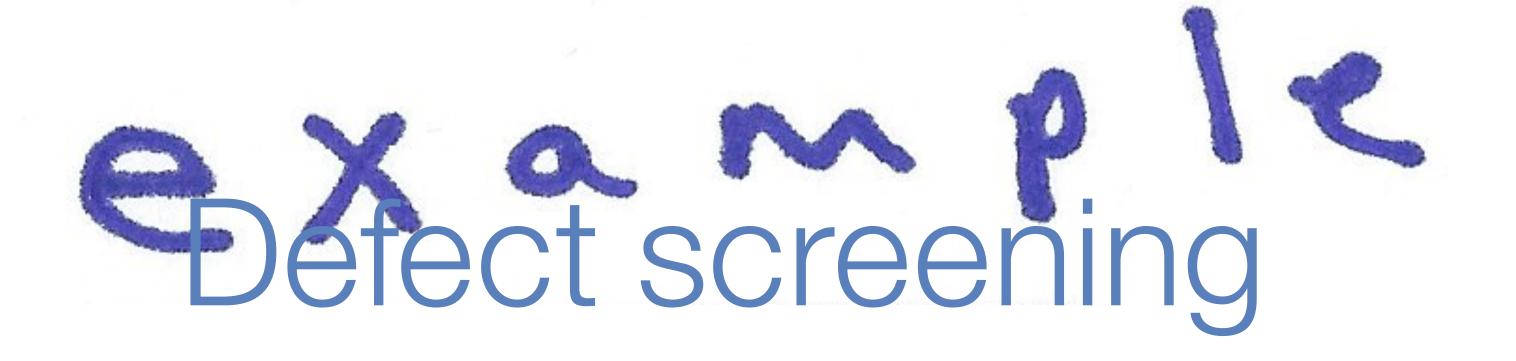


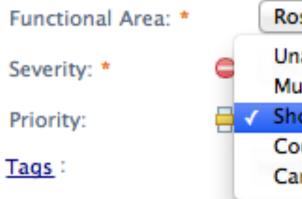


It's dumb to automate dumb things ...

It's dumb to automate dumb things ... ... and ...

- It's dumb to automate dumb things ... ... and ...
- ... Automation allows you to do dumb things at a greater speed



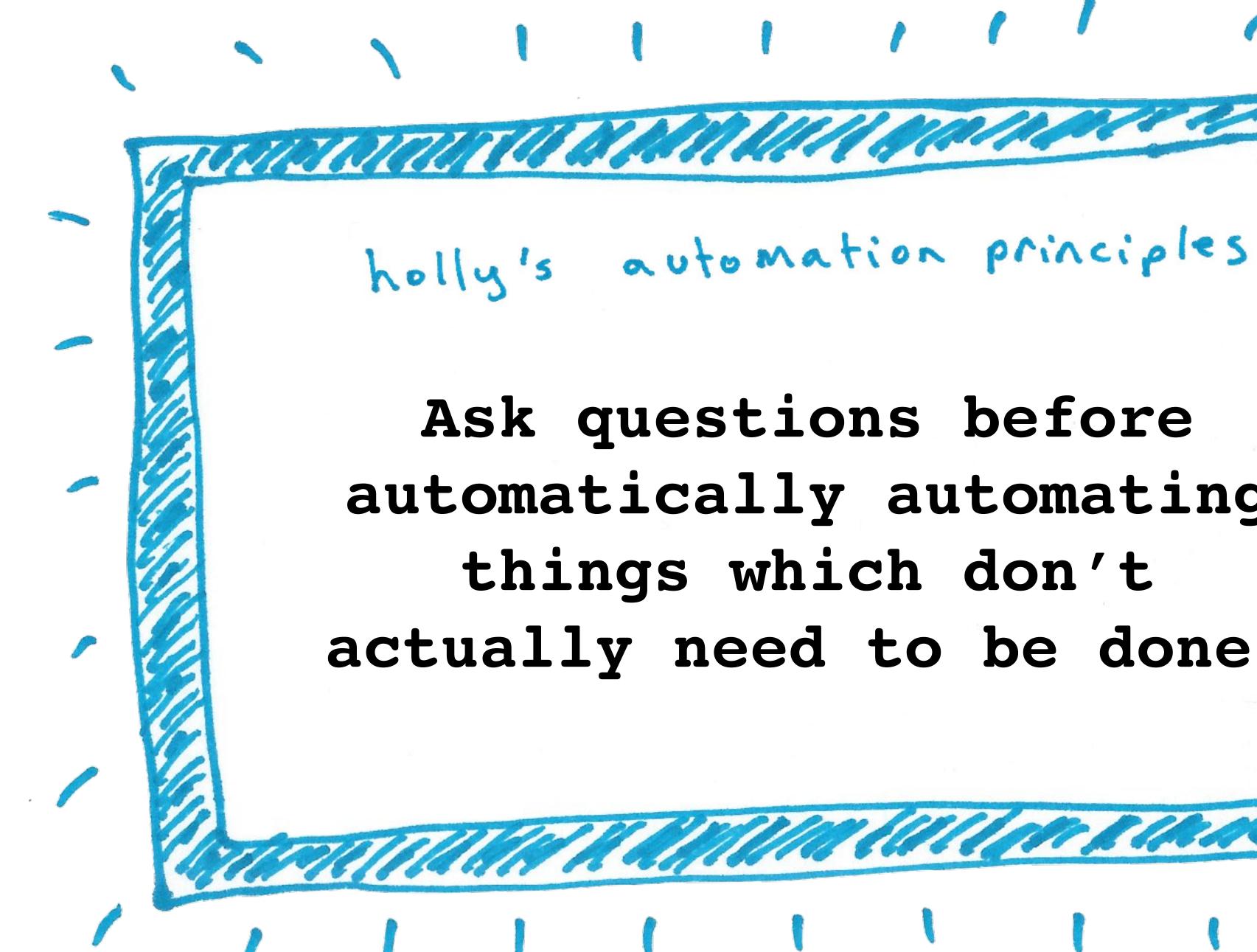


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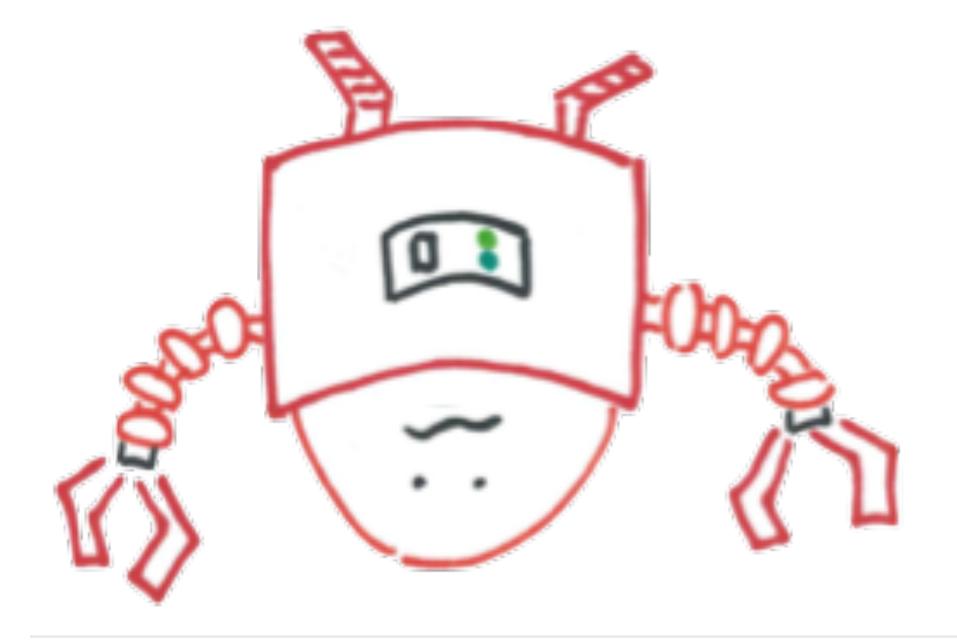




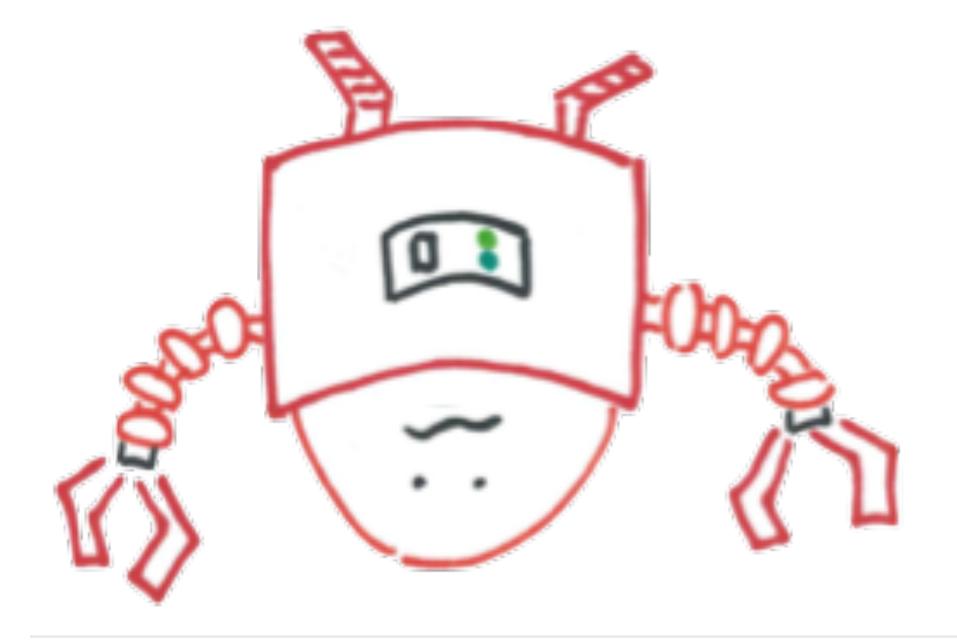


#### Ask questions before automatically automating things which don't actually need to be done.





#### Computers don't always get it right.

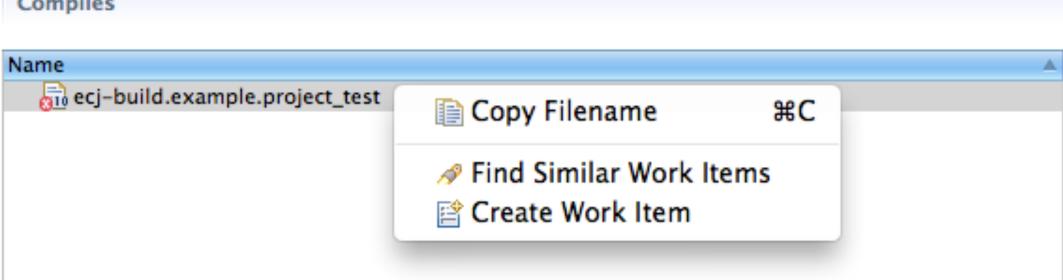




#### https://www.youtube.com/watch?v=huInz902gWo



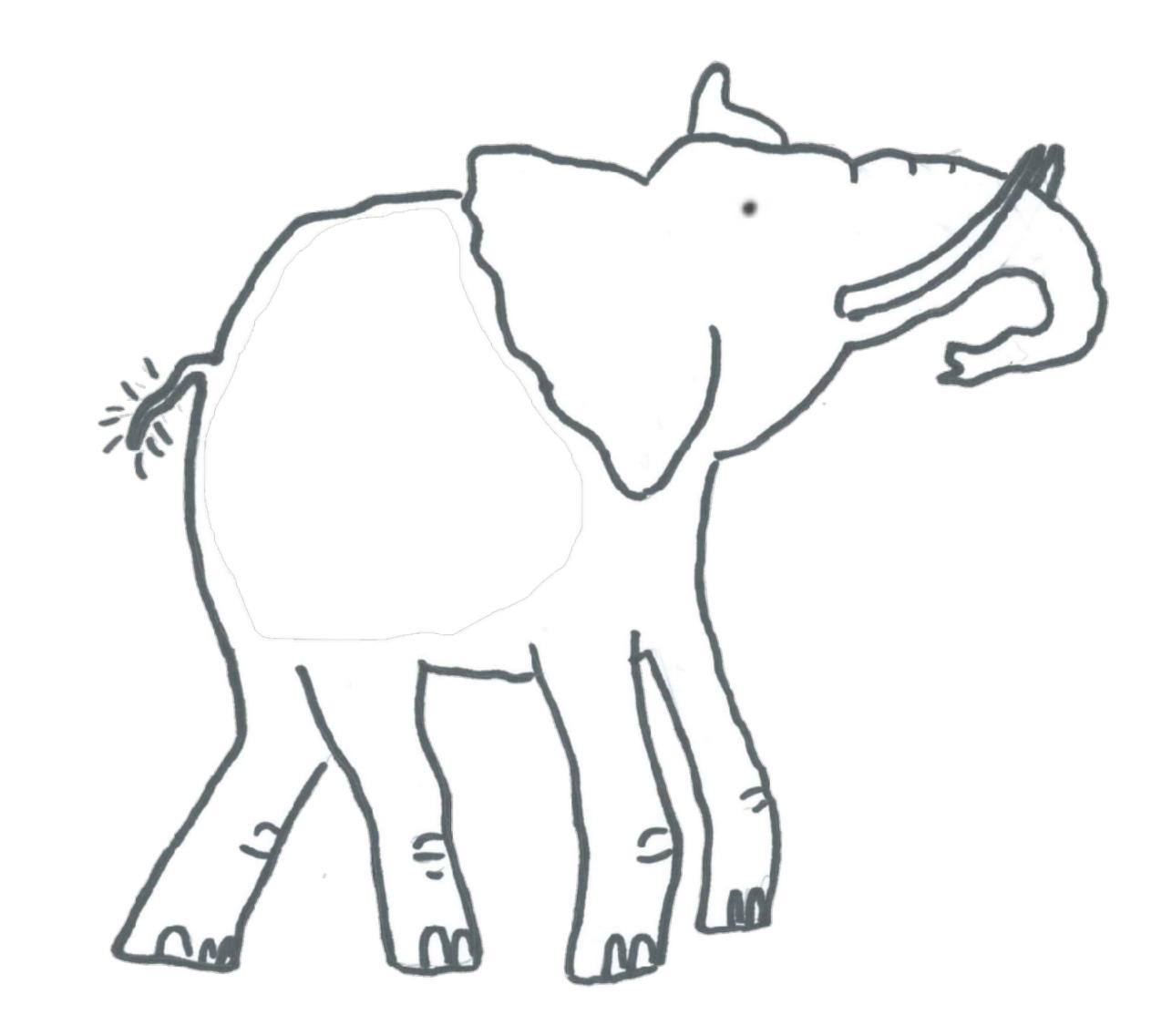
#### Compiles

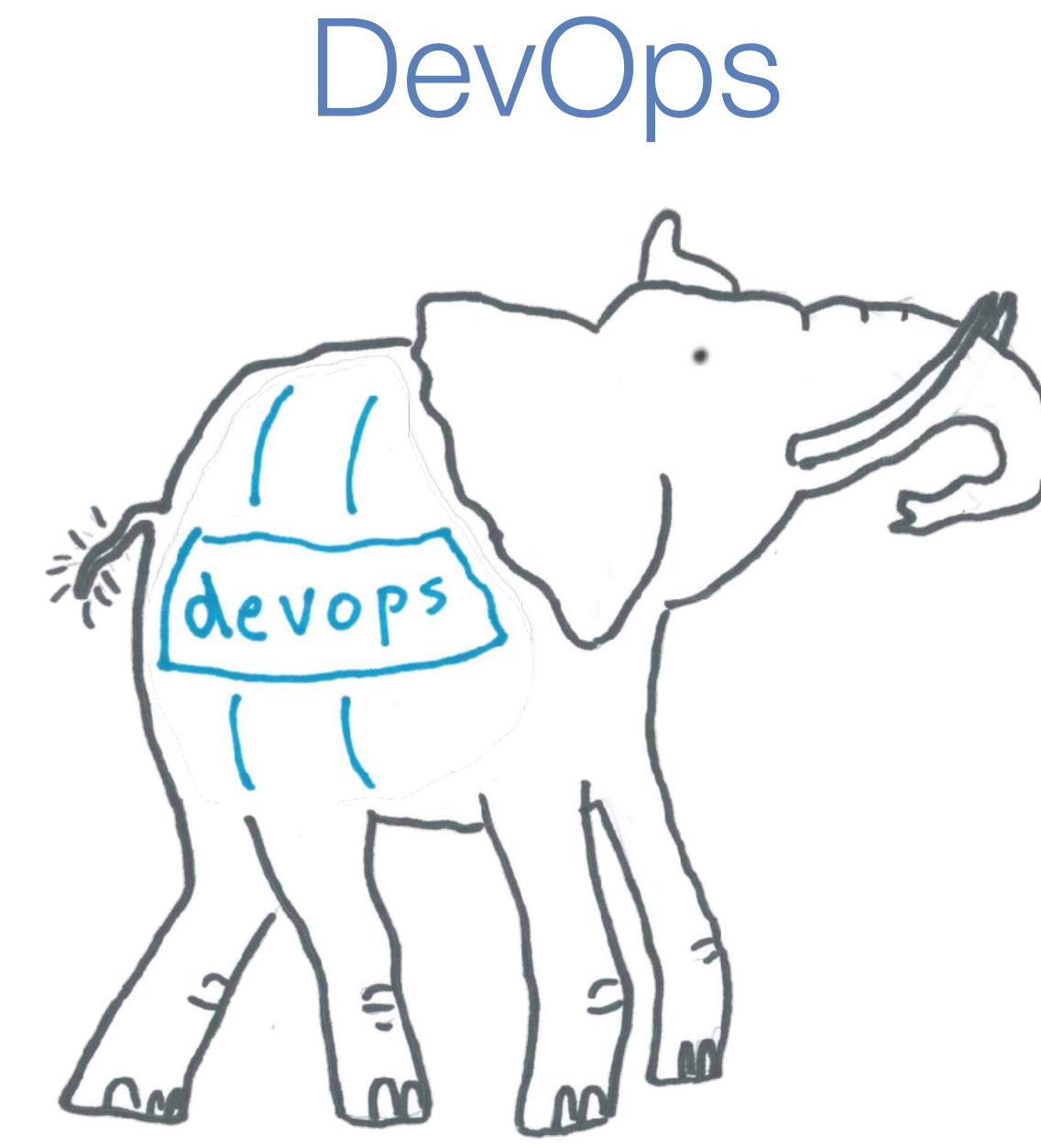














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#### IBM Bluemix Garage Method

## Innovate. Disrupt. Transform. Fast. @Enterprise Scale



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#### IBM **Bluemix** Garage Method

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### Innovate. Disrupt. Transform. Fast. **@Enterprise Scale**



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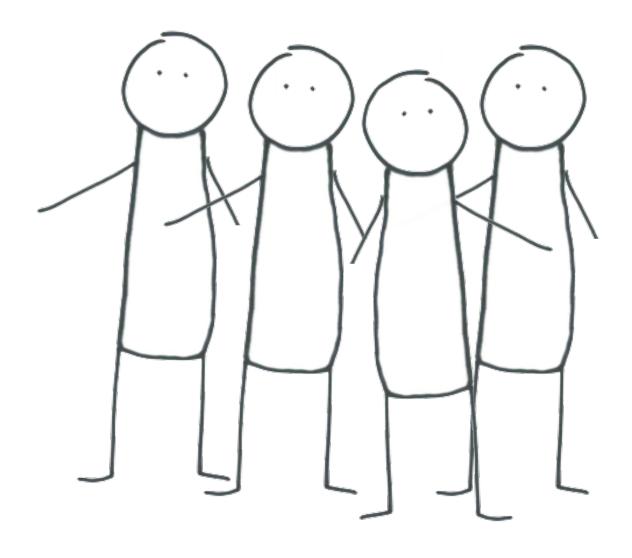
### Innovate. Disrupt. Transform. Fast. @Enterprise Scale



## Old way



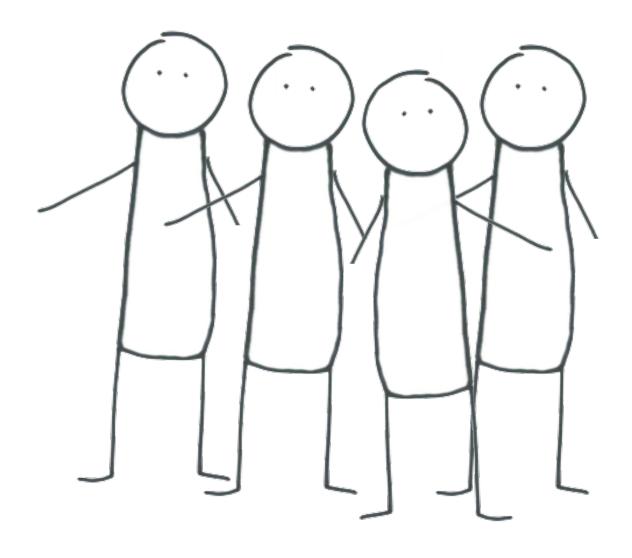




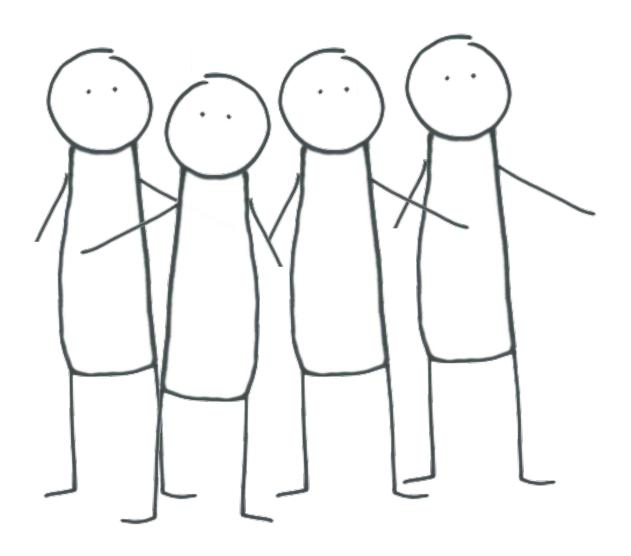
## Old way







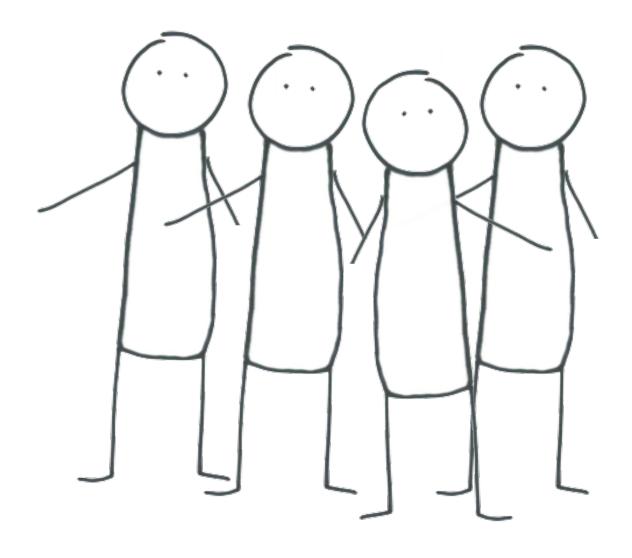
## Old way



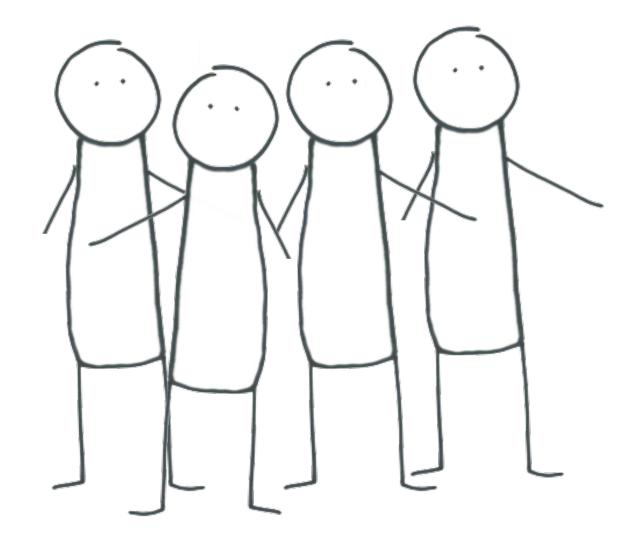












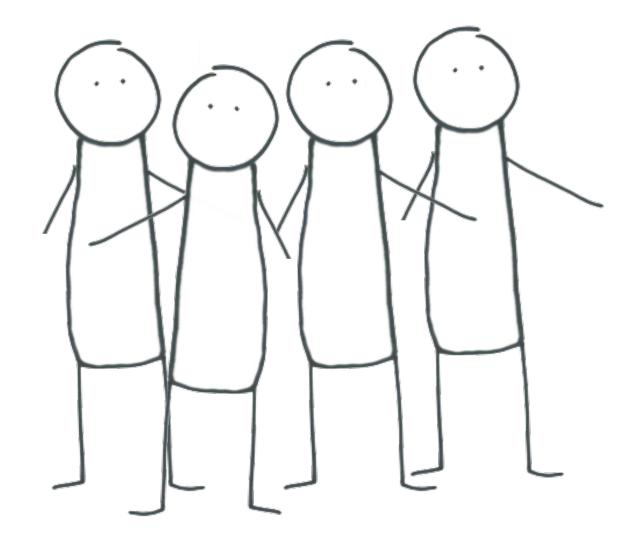
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# People who break stuff • • . .

#automationconfessions





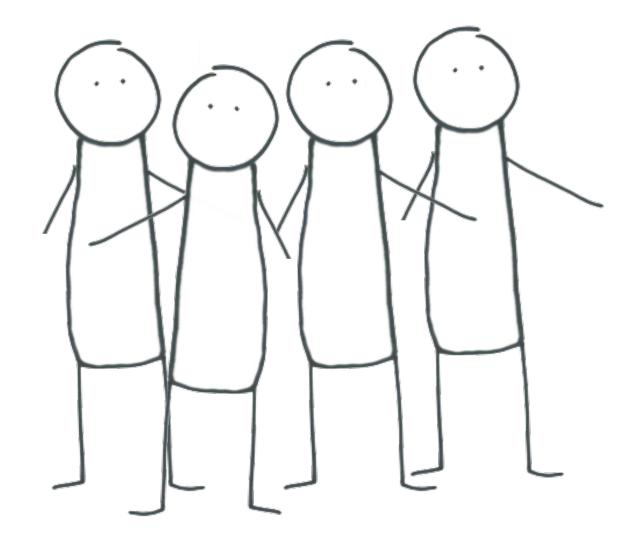


# People who break stuff . .

#### "developers"

#automationconfessions



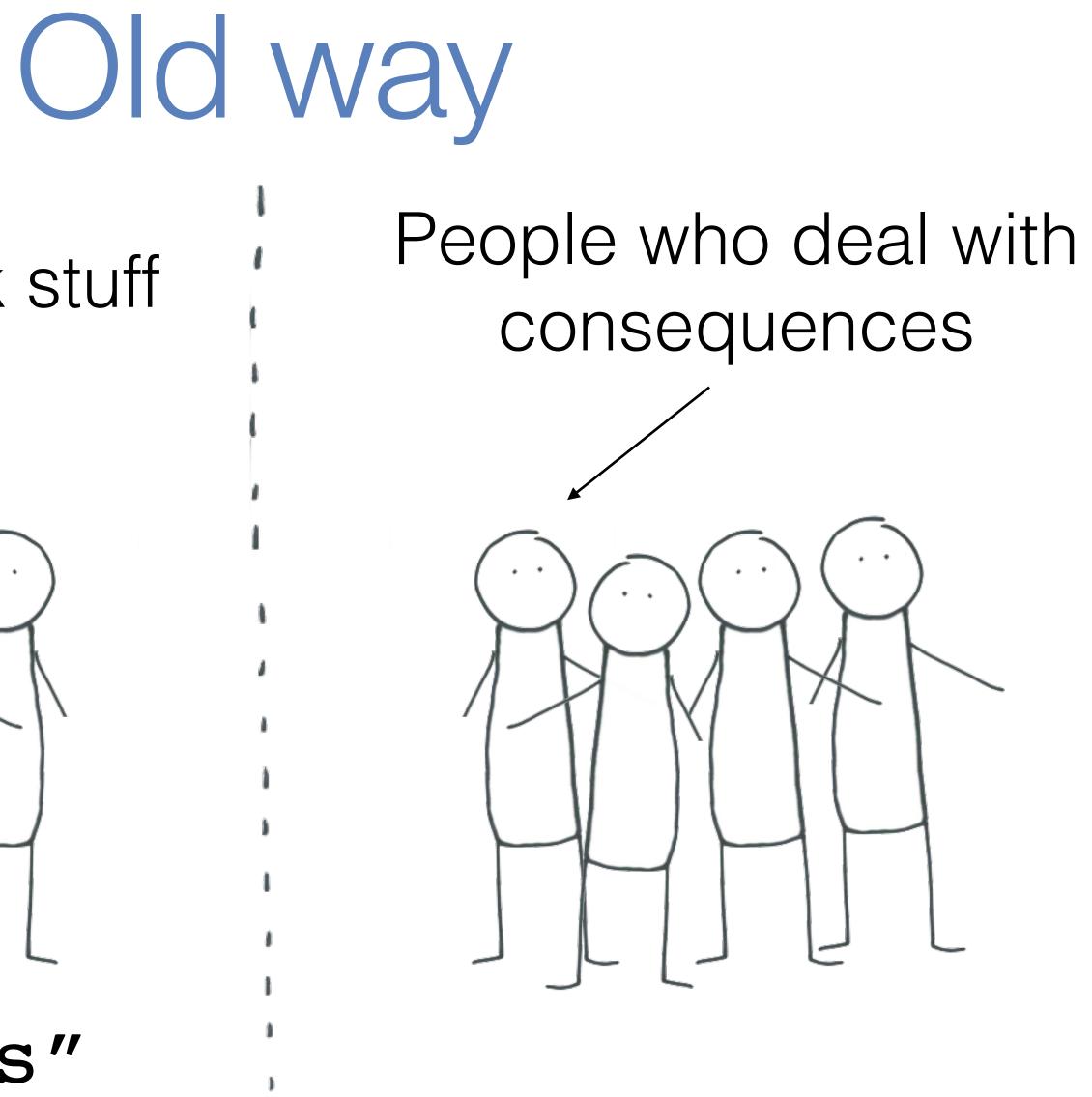


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# People who break stuff

#### "developers"





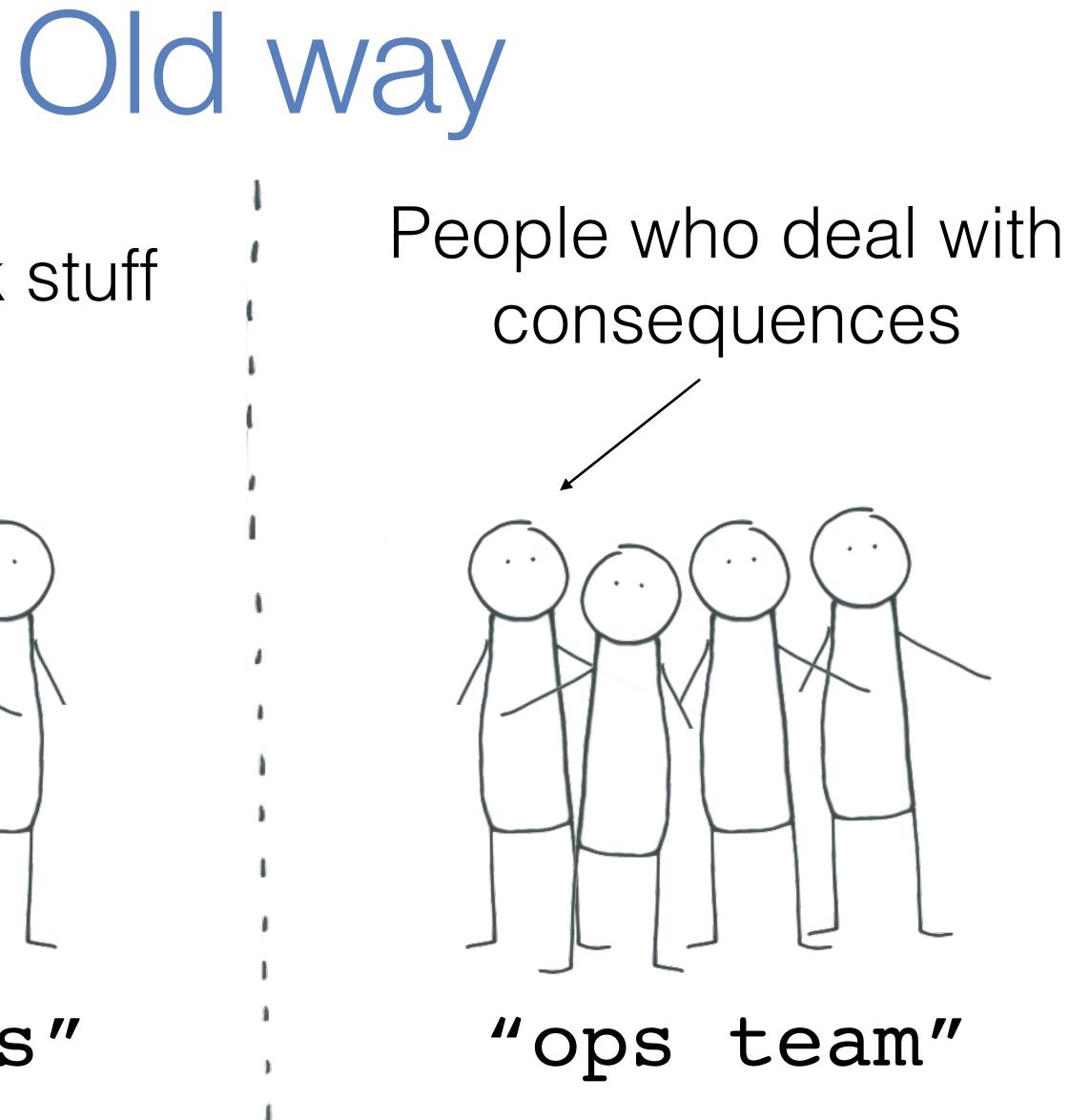




# People who break stuff

#### "developers"

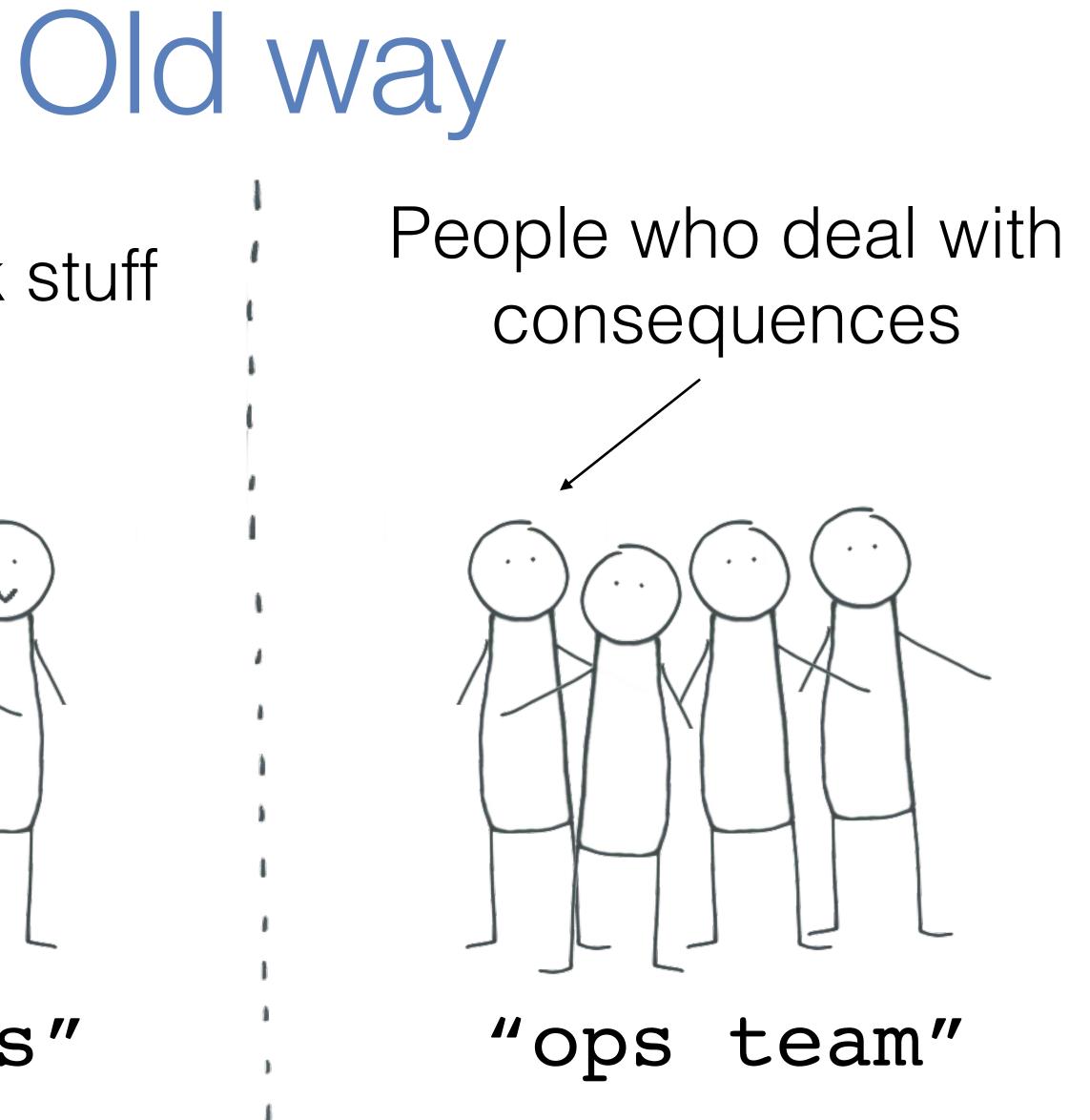
#automationconfessions





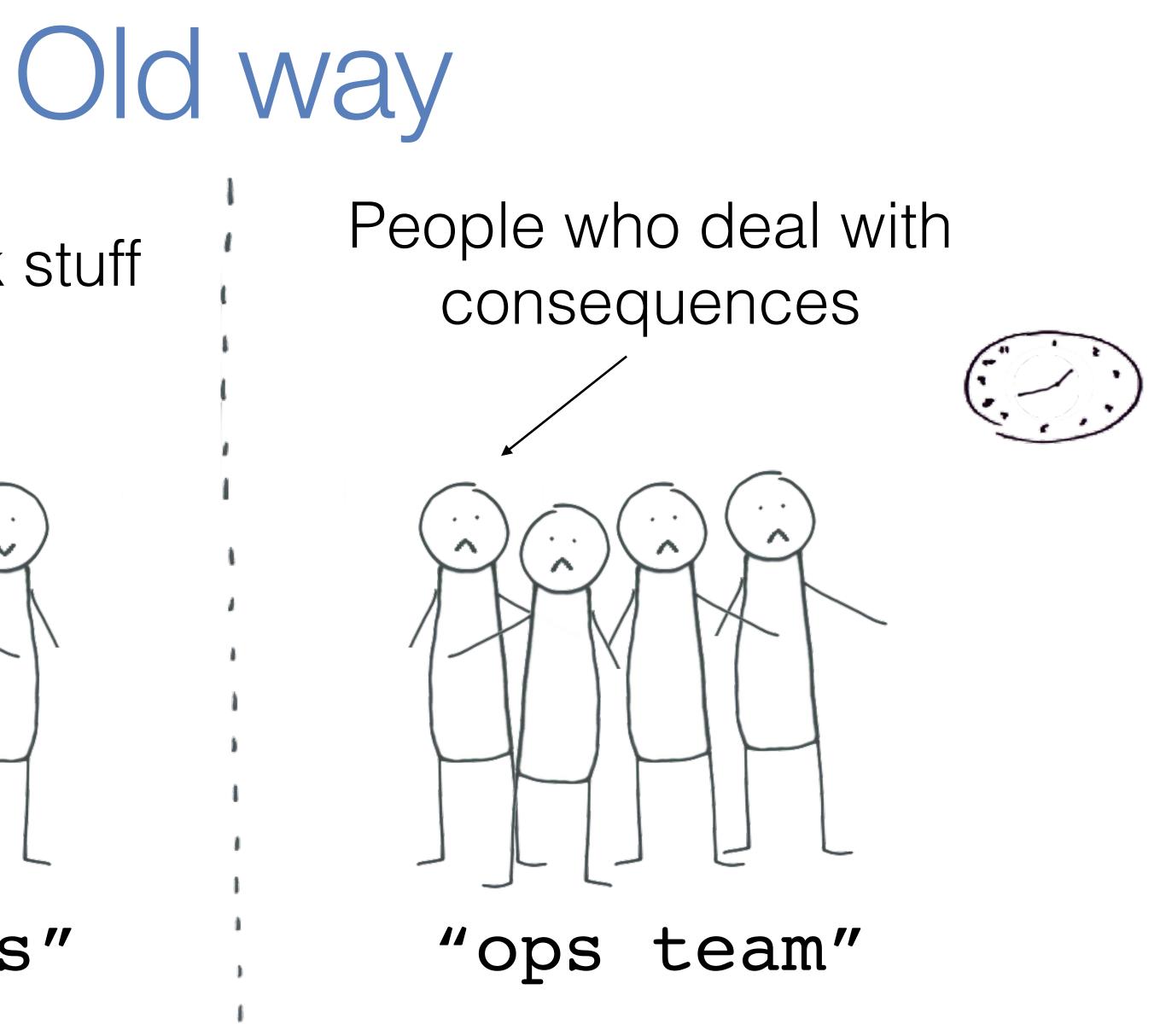
## People who break stuff • • $\checkmark$ . . "developers"

#automationconfessions



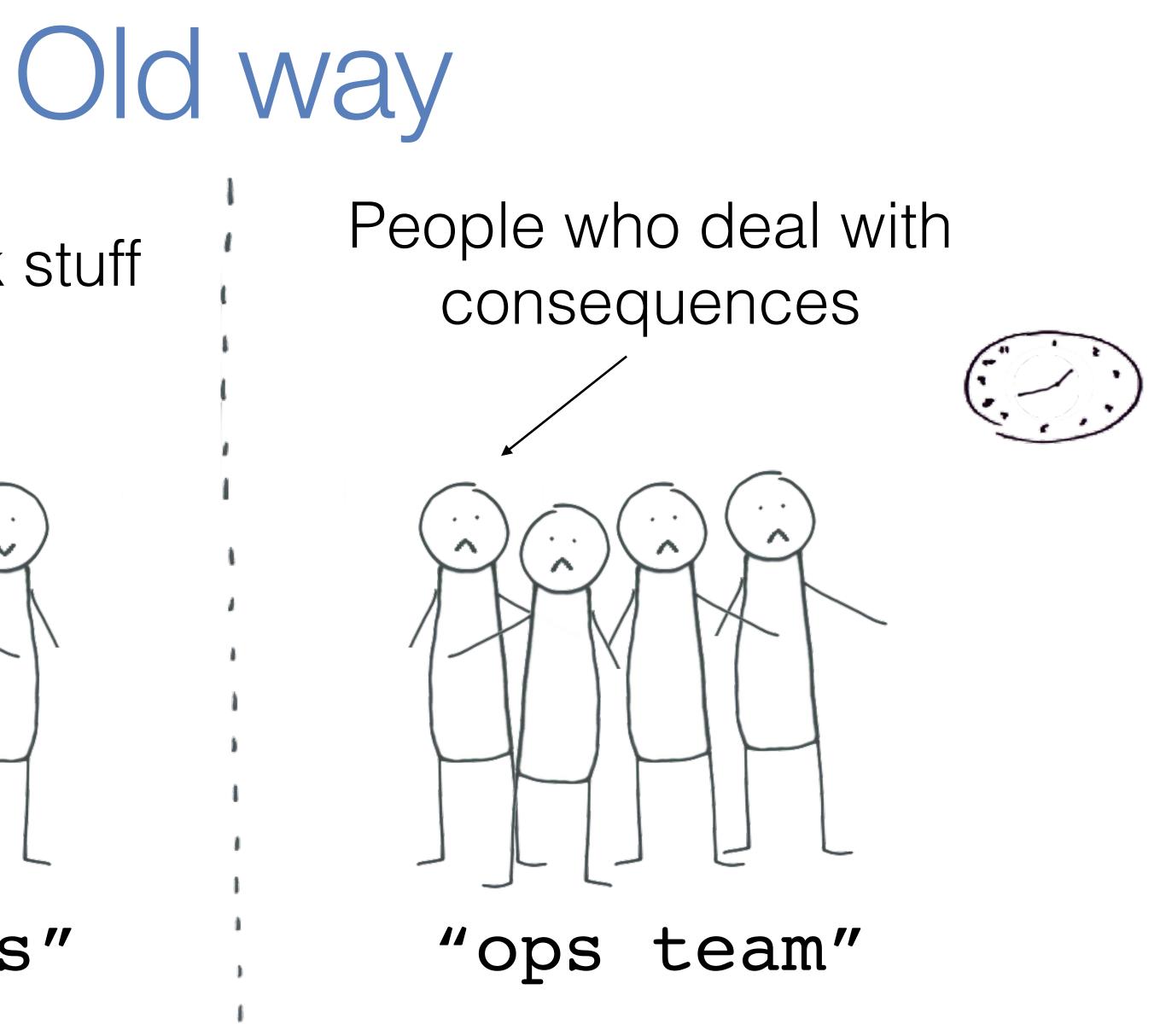


## People who break stuff • • $\checkmark$ . . "developers"

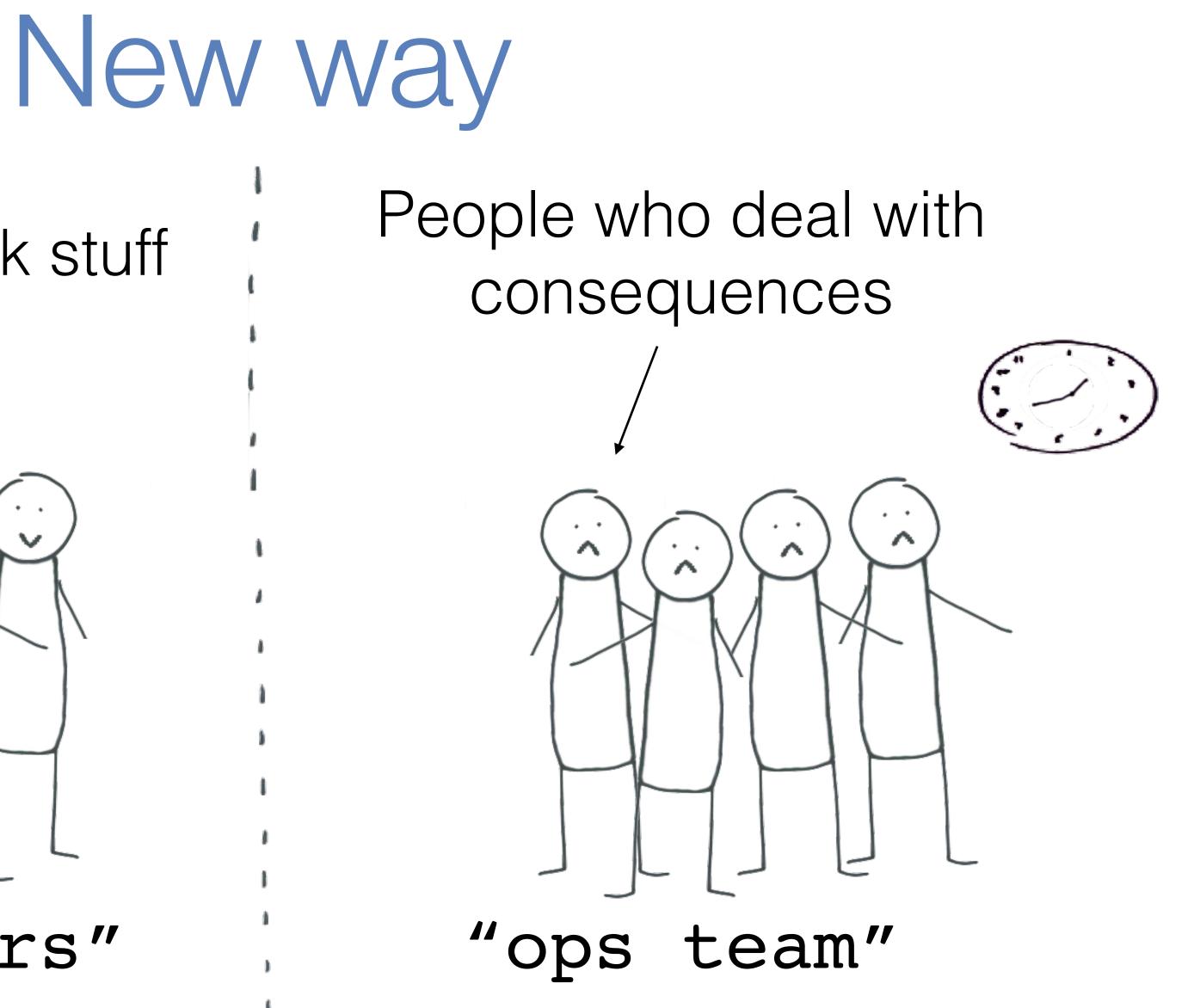




## People who break stuff • • $\checkmark$ . . "developers"





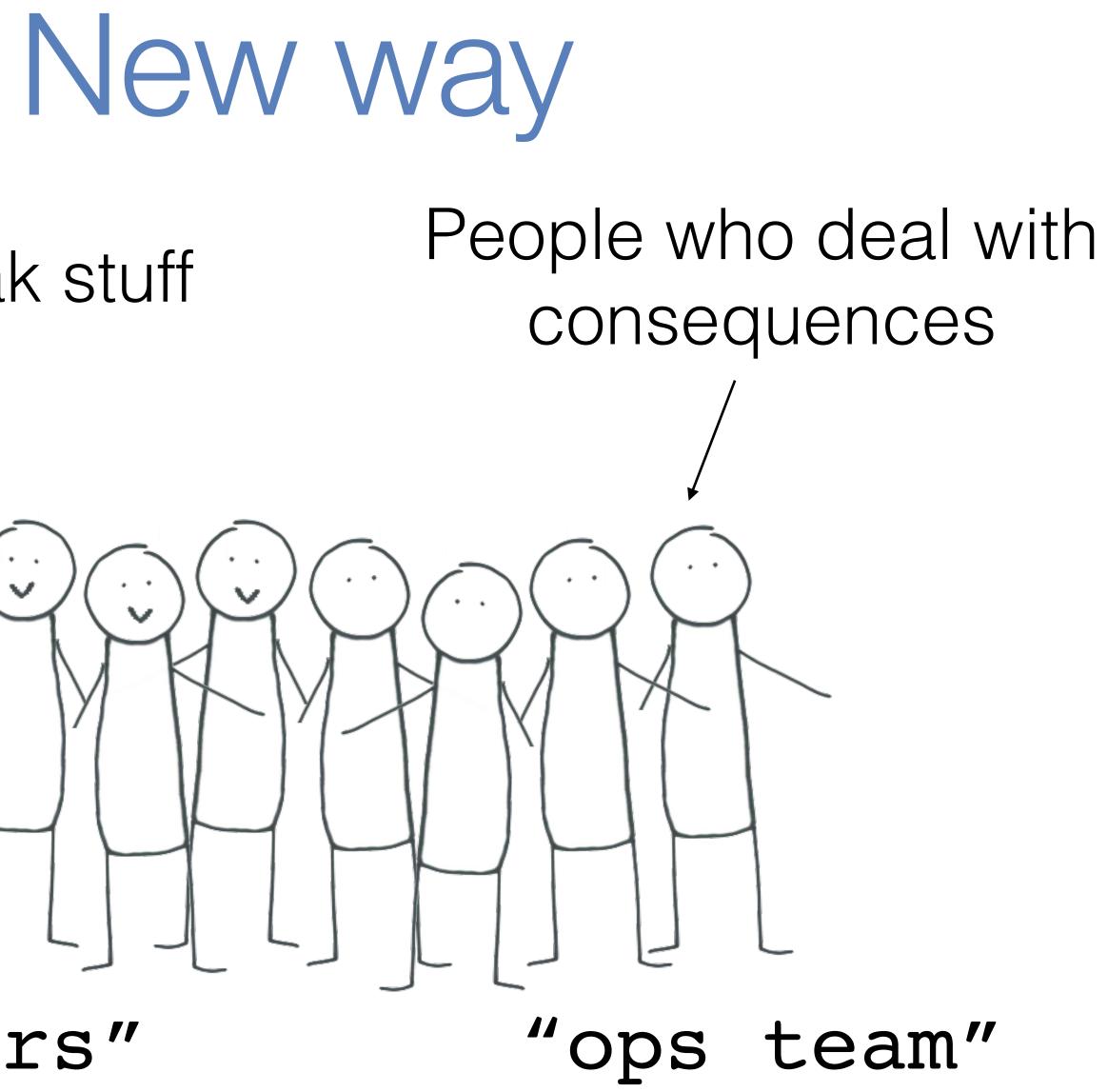


# People who break stuff • • $\checkmark$

"developers"







## People who break stuff

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#### "developers"







# People who break stuff

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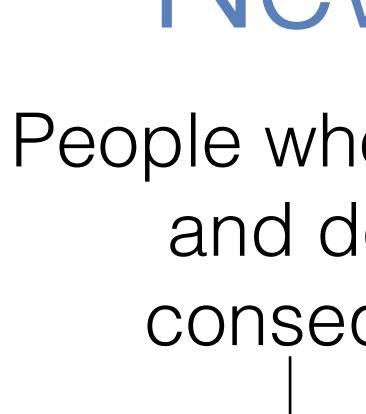
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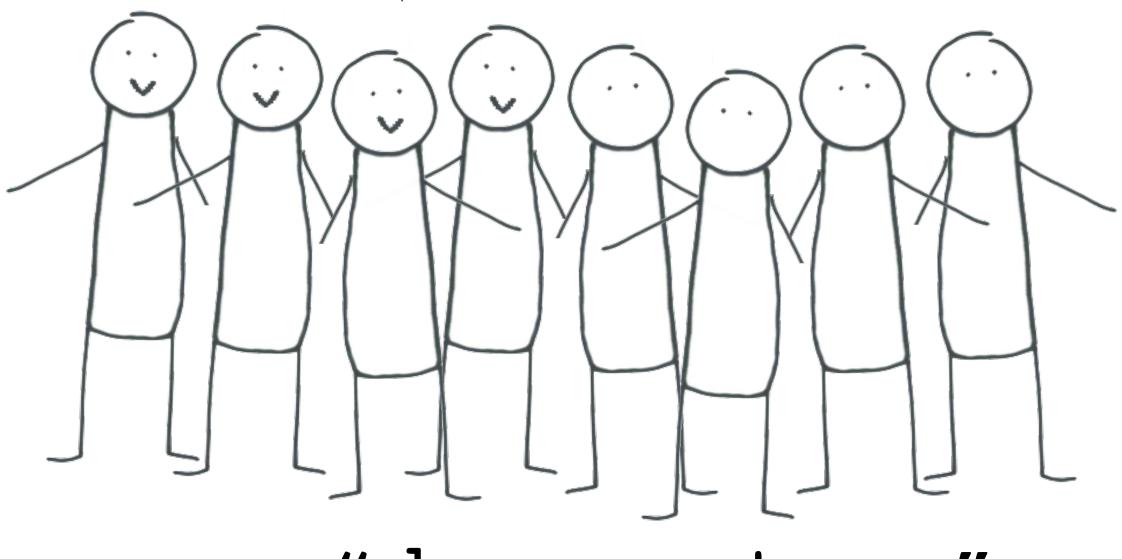
#automationconfessions

"devops team"









"devops team"

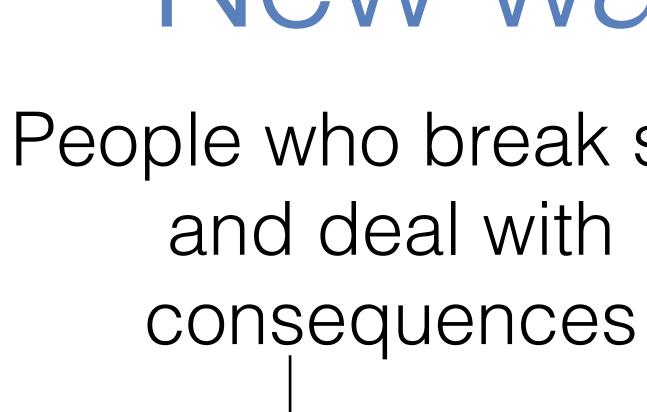
#automationconfessions

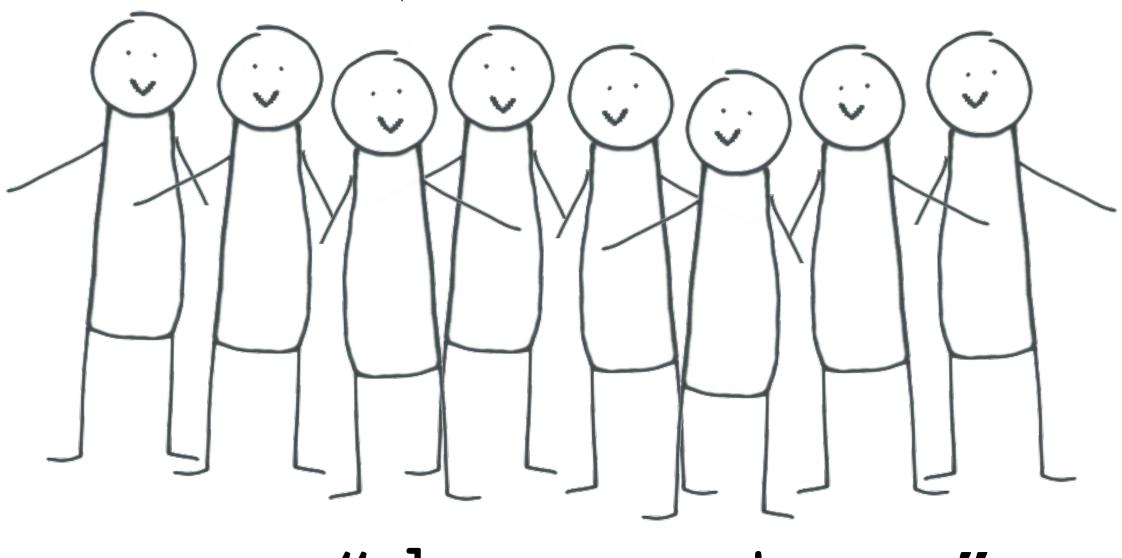


#### People who break stuff and deal with consequences









"devops team"

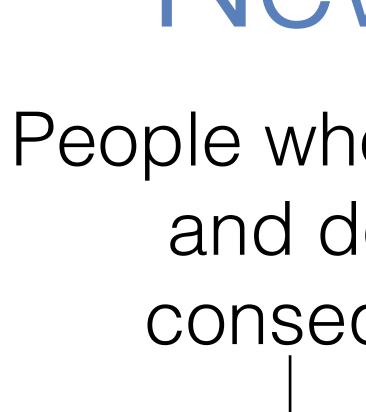
#automationconfessions



## People who break stuff less and deal with









## New way

#### People who break stuff less and deal with consequences

#### "devops team"





Automation

## 100%Automation

A job title

#### A job title for the IT department

#### A job title for the IT department

A criteria for chatting up job candidates on a train

#### A job title for the IT department

#### A criteria for chatting up job candidates on a train

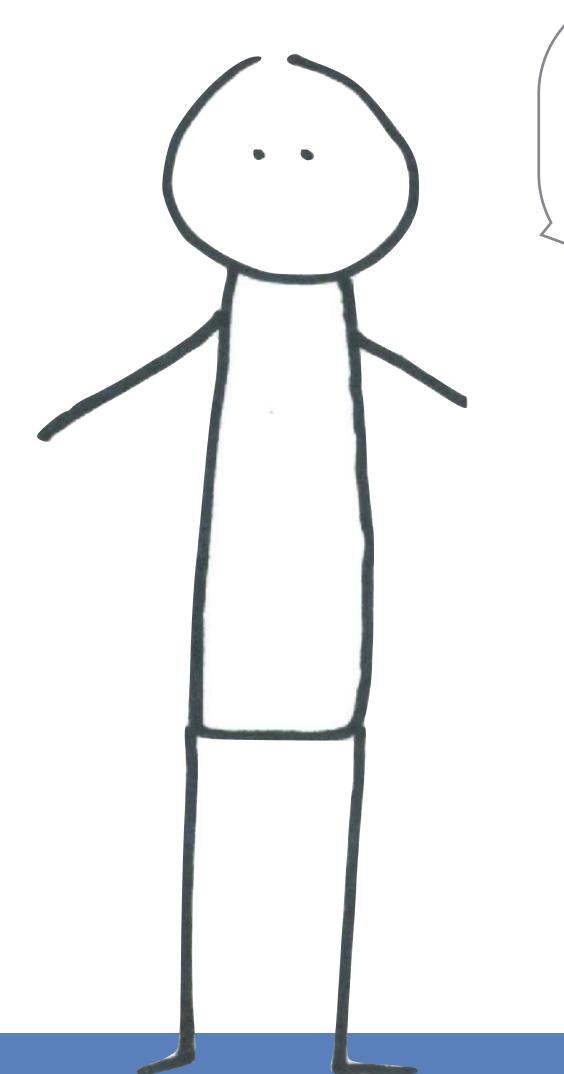
The **only** reason to automate

## How to automate









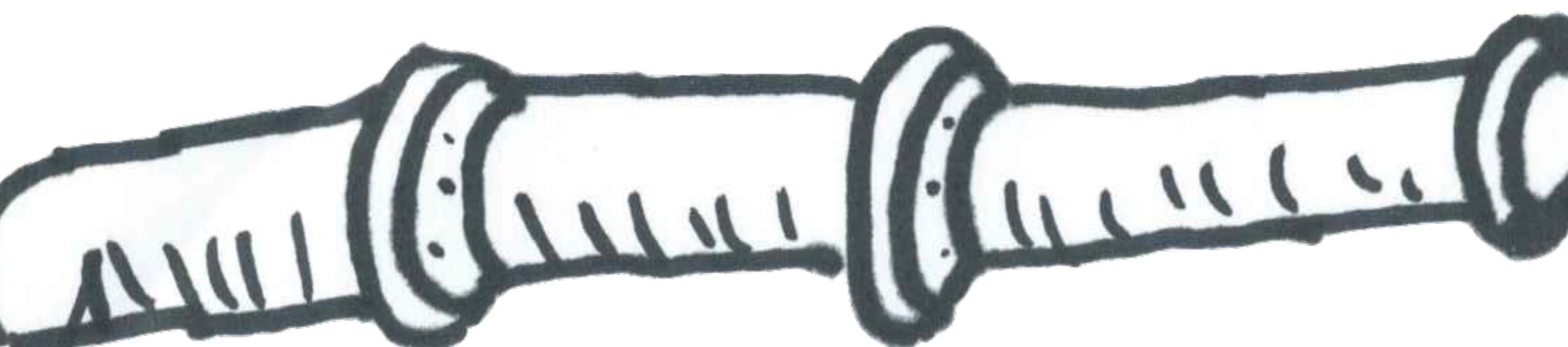
#### How to automate

It depends. What are you automating?















#### Code -----> Push -----> Test----> Live

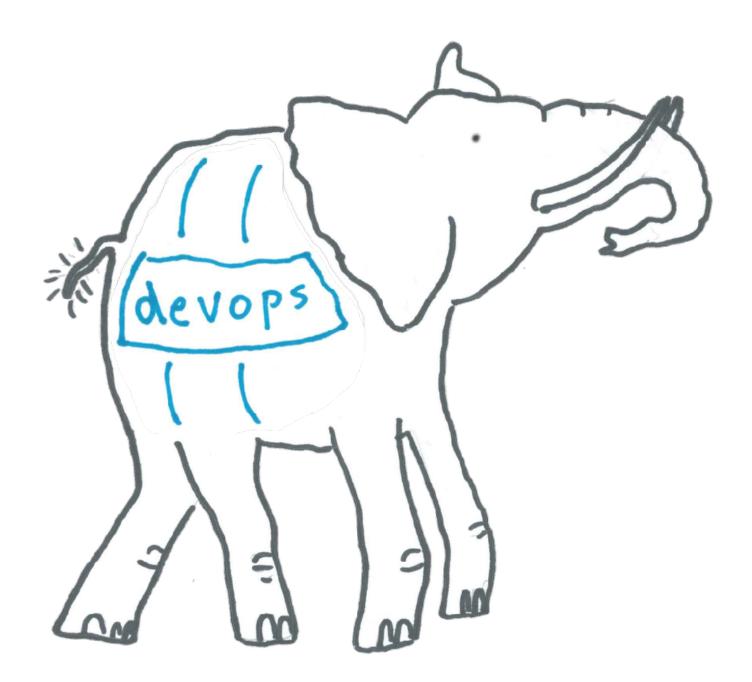




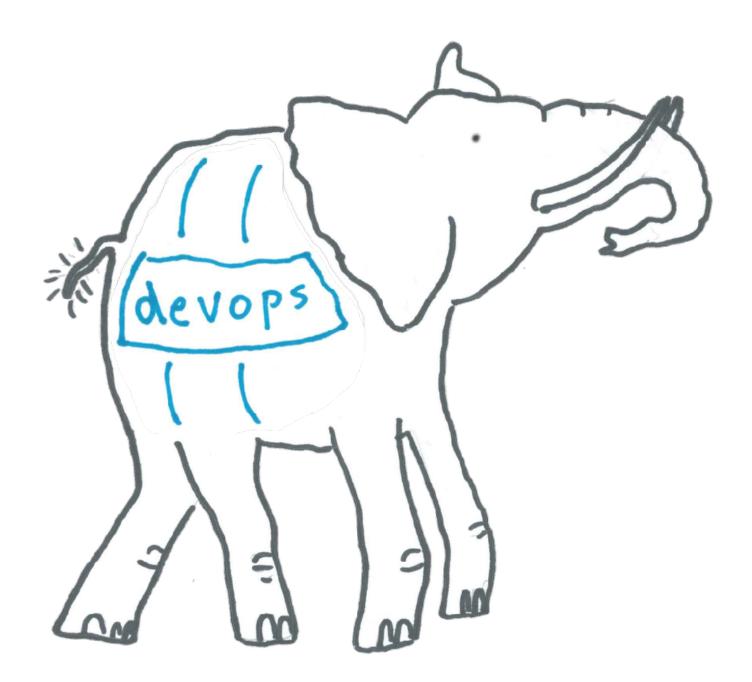
#### Code ------> Push -----> Test-----> Live

#### Infrastructure

Infrastructure should be code.

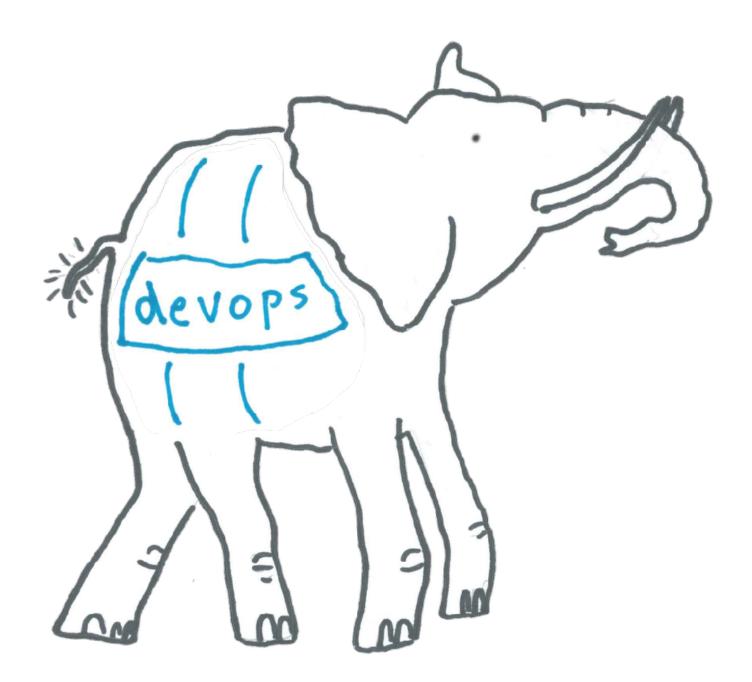


Infrastructure should be code.



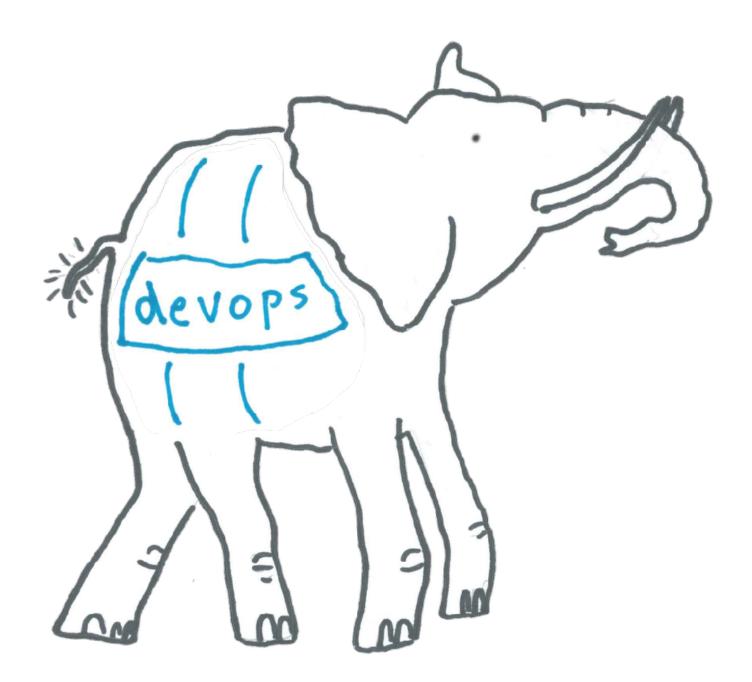
Infrastructure should be code.

Machine configuration



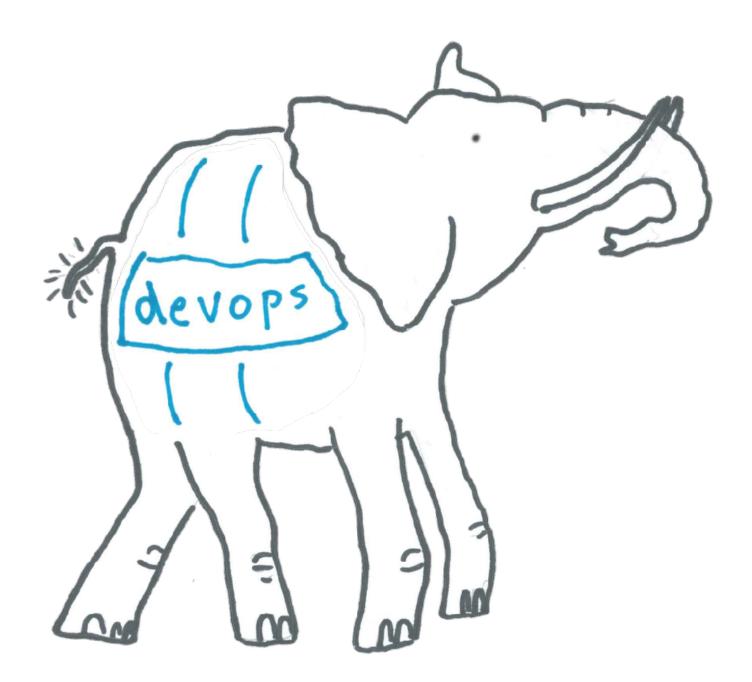
Infrastructure should be code.

#### Machine configuration Servers



Infrastructure should be code.

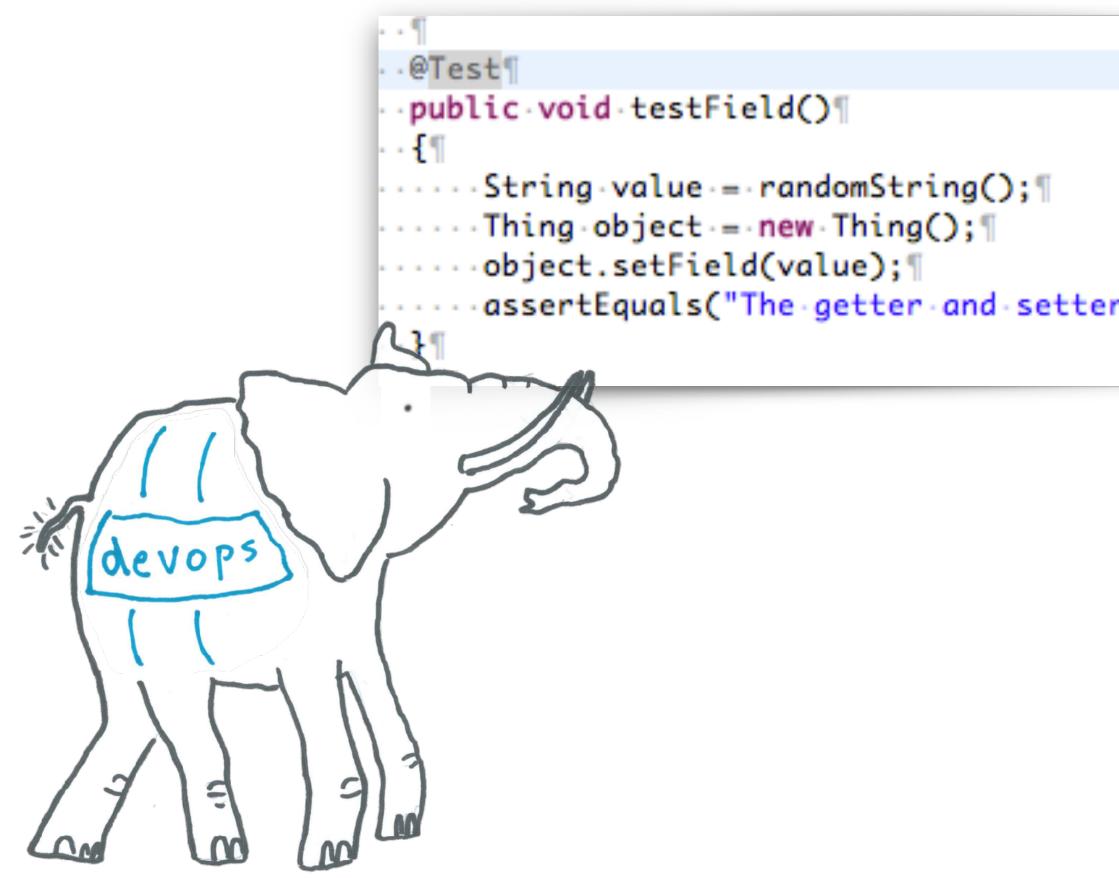
#### Machine configuration Servers Test environments



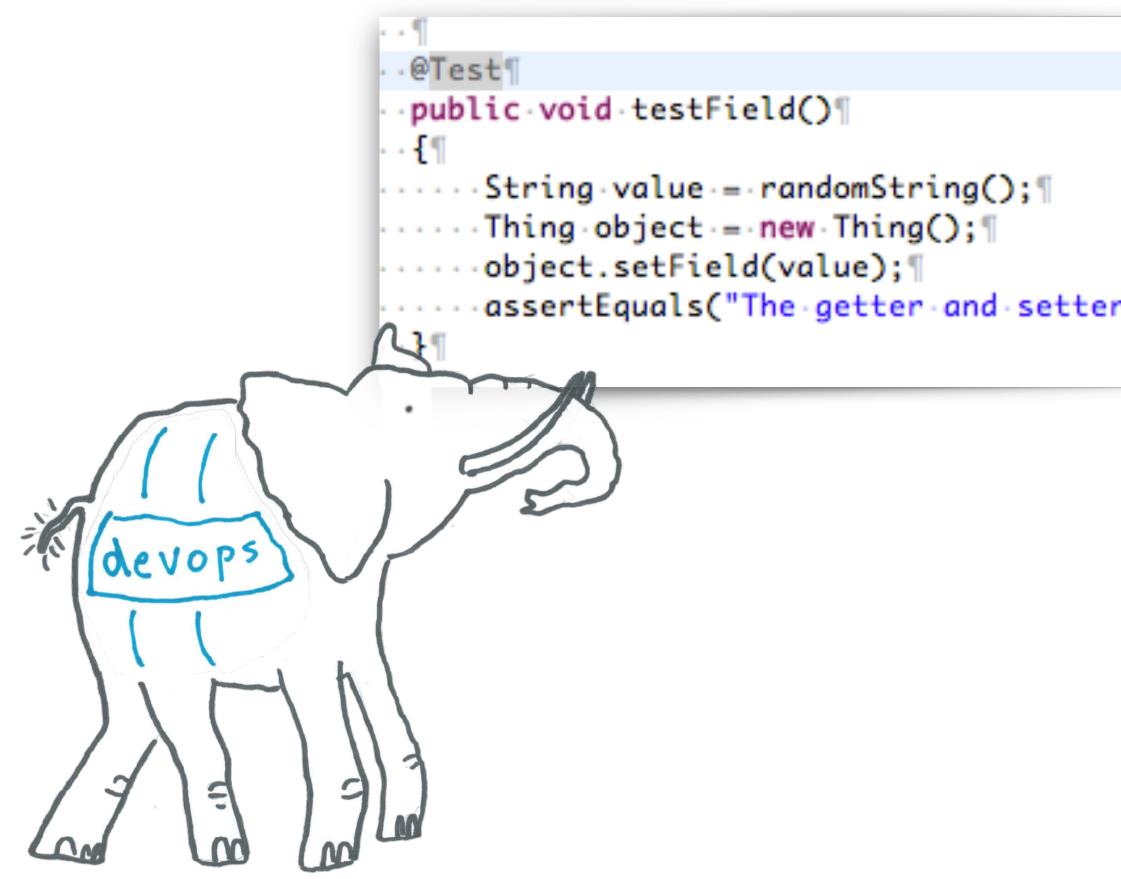
Infrastructure should be code.

#### Machine configuration Servers Test environments

. . . .

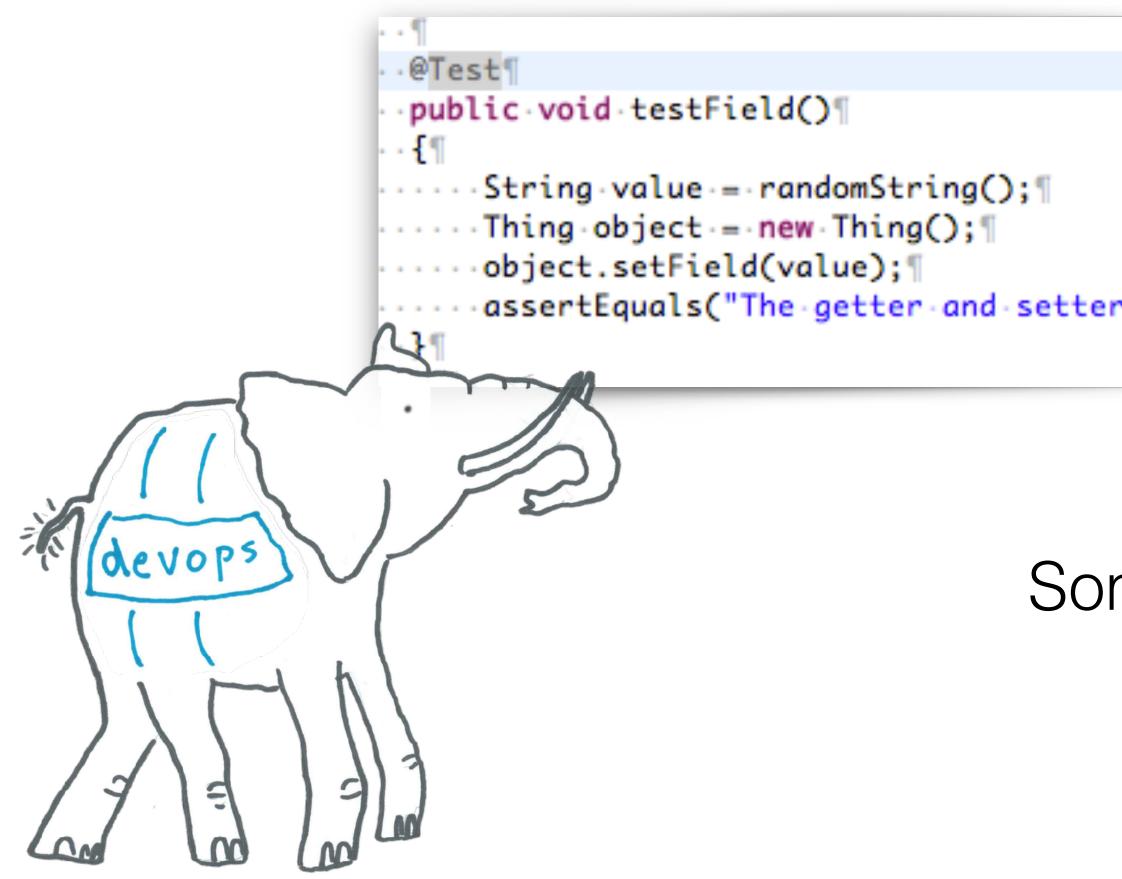


assertEquals("The getter and setter are busted", value, object.getField());"



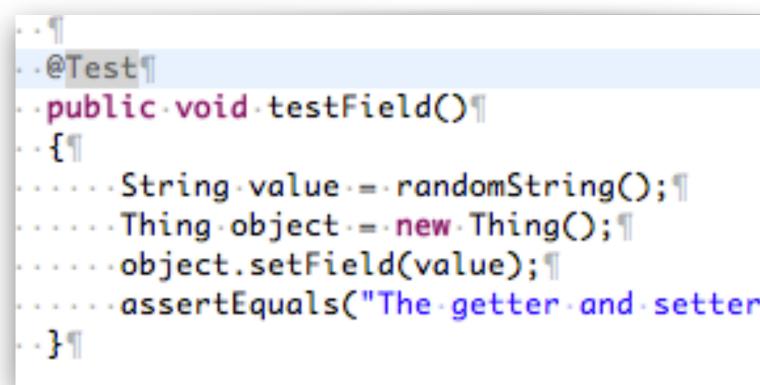
assertEquals("The getter and setter are busted", value, object.getField());"

#### Tests



assertEquals("The getter and setter are busted", value, object.getField());"

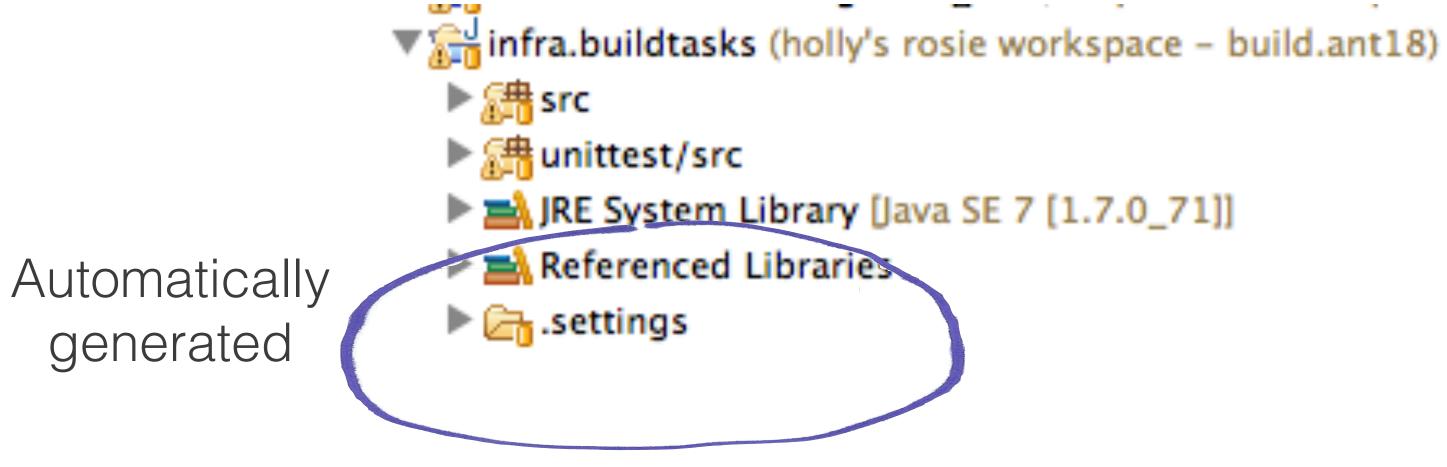
Some Tests



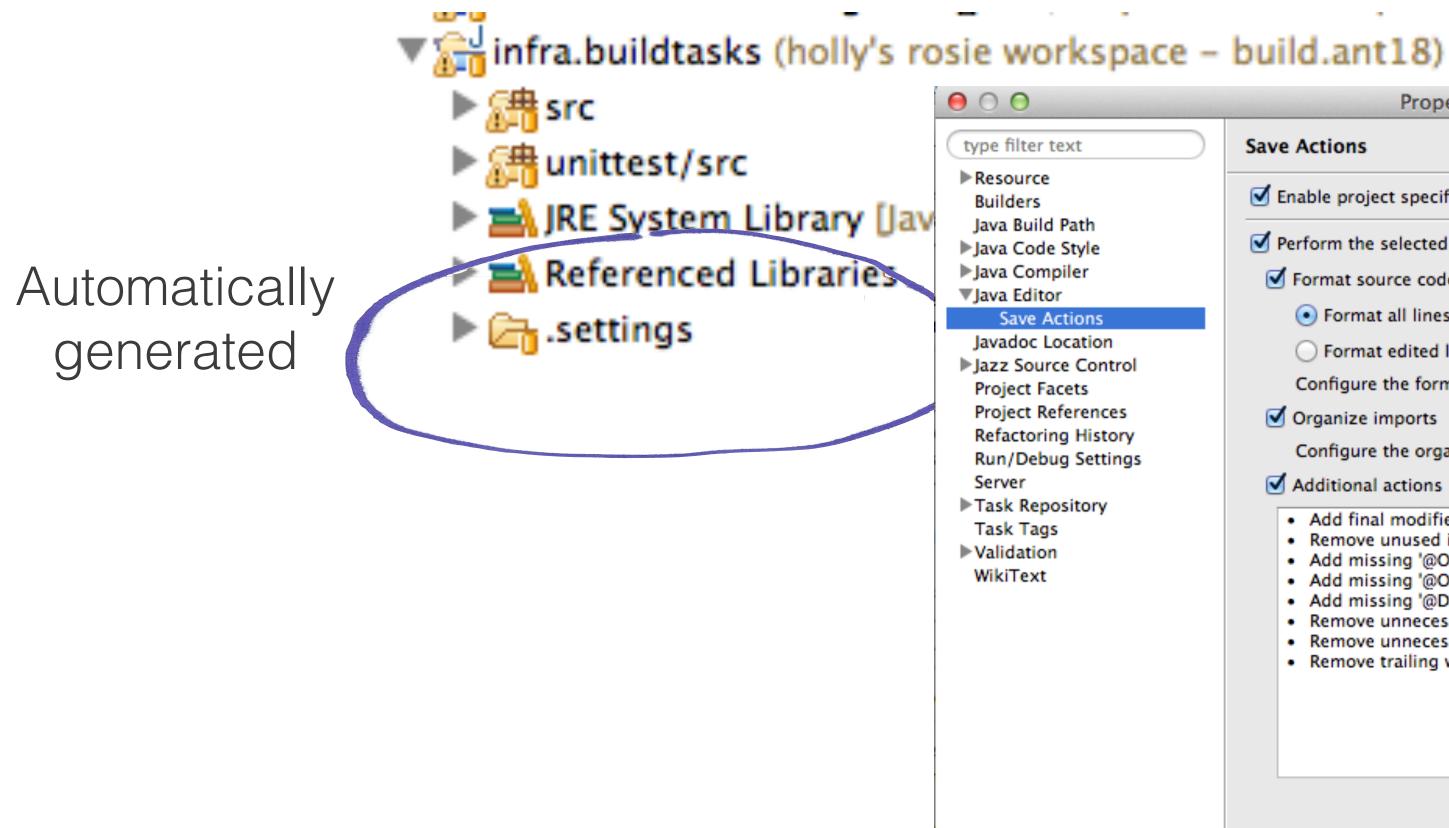
Some Tests

....assertEquals("The getter and setter are busted", value, object.getField());"

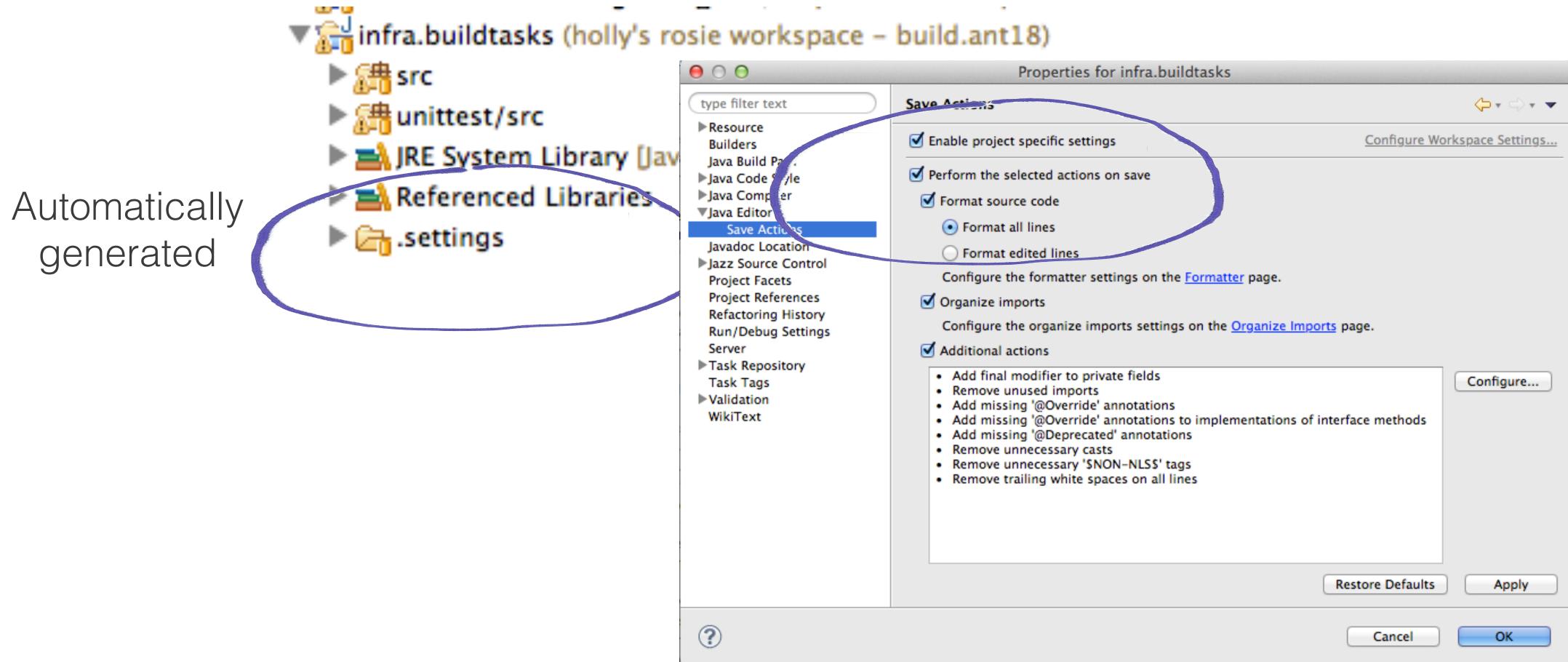
- infra.buildtasks (holly's rosie workspace build.ant18)
  - Src
  - mittest/src
  - JRE System Library [Java SE 7 [1.7.0\_71]]
  - Referenced Libraries
  - Settings

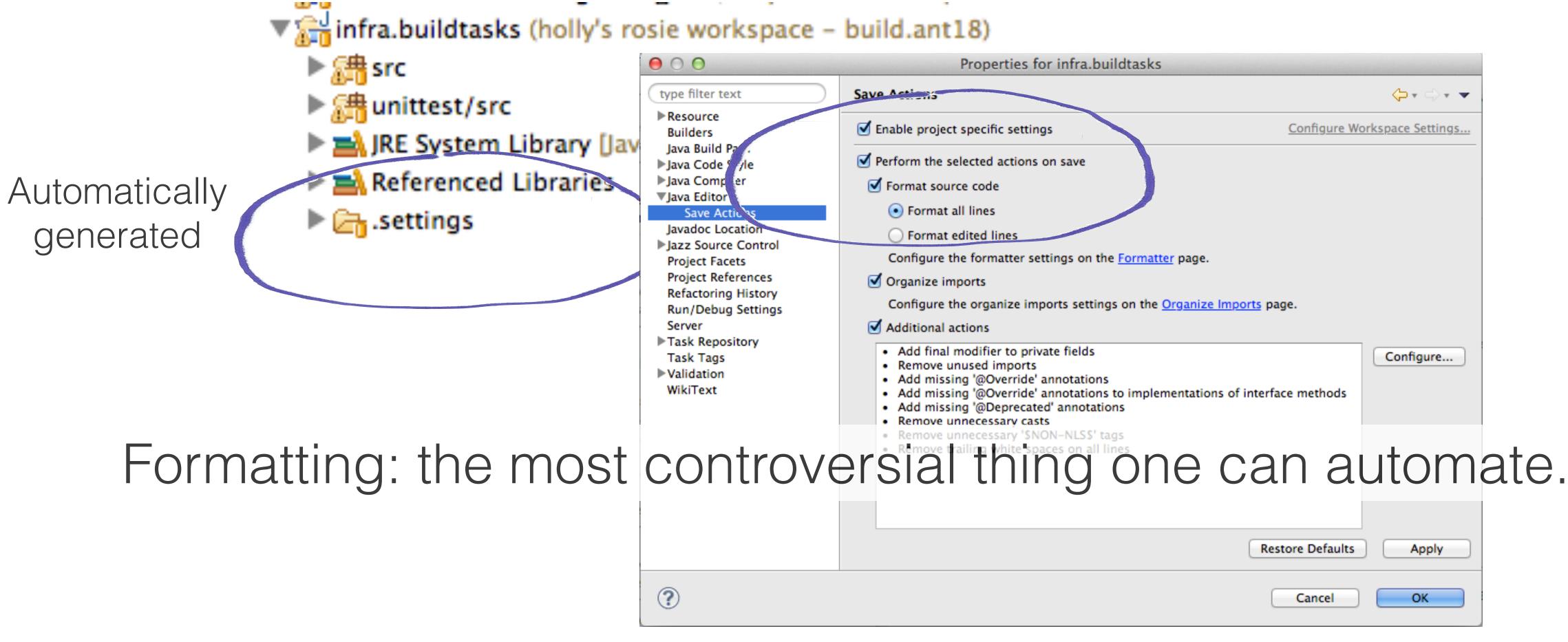


?



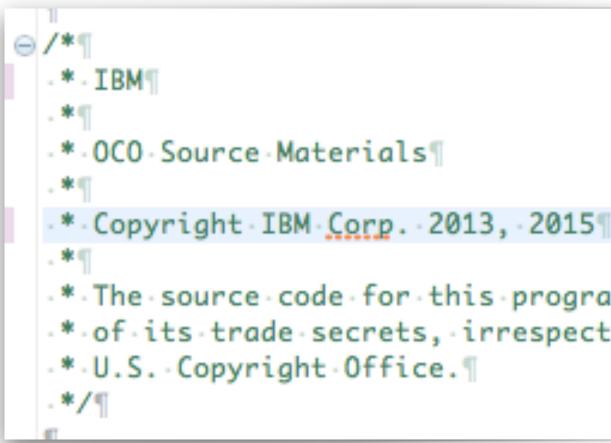
Properties for infra.buildtasks	
Save Actions	<pr -="" th="" ⇒="" ▼<=""></pr>
Sinable project specific settings	Configure Workspace Settings
Perform the selected actions on save	
Sormat source code	
<ul> <li>Format all lines</li> </ul>	
Format edited lines	
Configure the formatter settings on the Formatter page.	
Solution of the second	
Configure the organize imports settings on the Organize	Imports page.
Additional actions	
<ul> <li>Add final modifier to private fields</li> <li>Remove unused imports</li> <li>Add missing '@Override' annotations</li> <li>Add missing '@Override' annotations to implementations</li> <li>Add missing '@Deprecated' annotations</li> <li>Remove unnecessary casts</li> <li>Remove unnecessary '\$NON-NLS\$' tags</li> <li>Remove trailing white spaces on all lines</li> </ul>	s of interface methods
	Restore Defaults Apply
	Cancel OK







\* The source code for this program is not published or otherwise divested ¶ \* of its trade secrets, irrespective of what has been deposited with the ¶



Copyright statements

1

\* The source code for this program is not published or otherwise divested ¶ \* of its trade secrets, irrespective of what has been deposited with the ¶

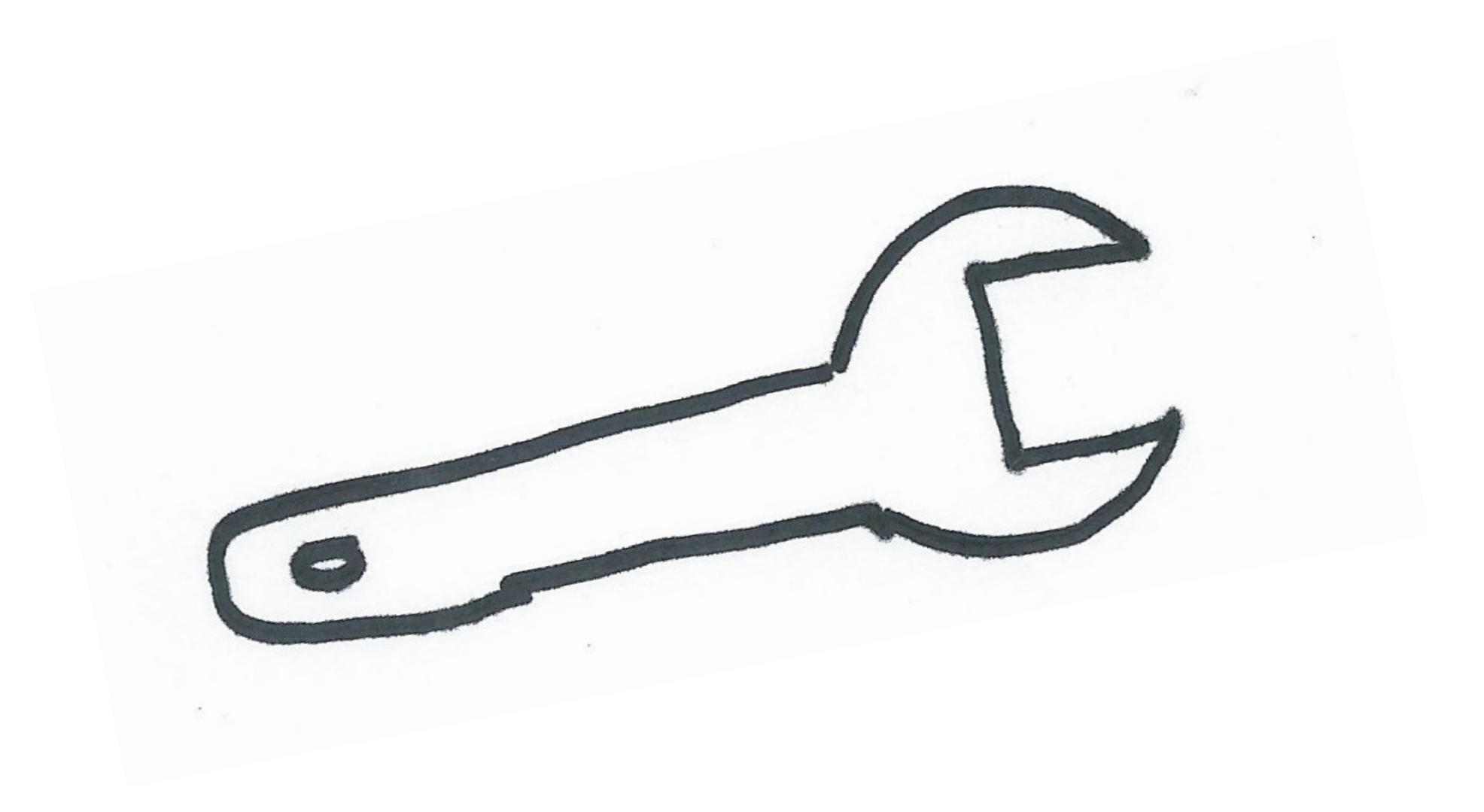


Maybe.

(The second most controversial thing one can automate.)

\* The source code for this program is not published or otherwise divested ¶ \* of its trade secrets, irrespective of what has been deposited with the ¶

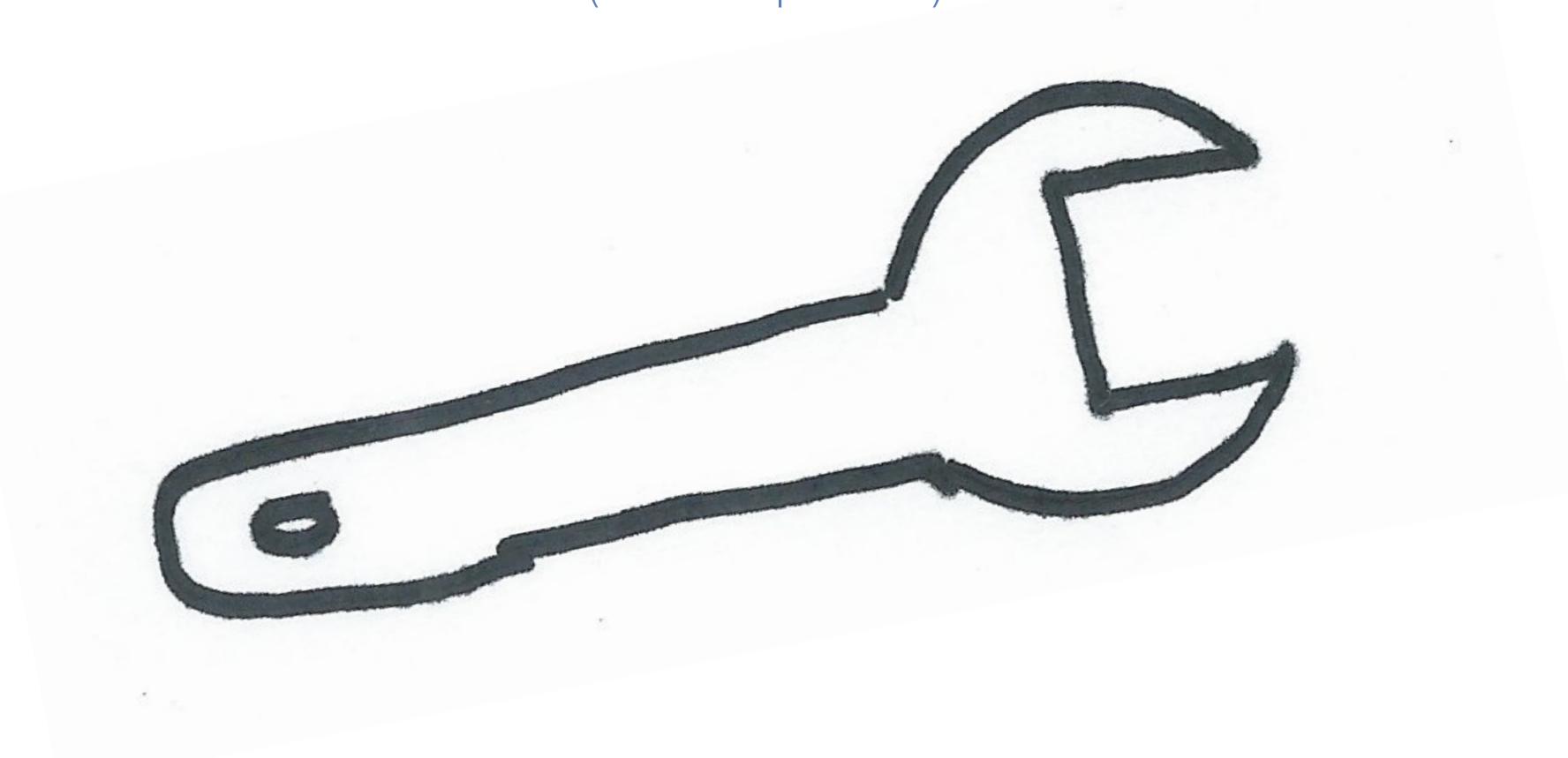
#### Copyright statements











# Tools







## Tools











# Shell scripts

#automationconfessions

### Tools









# Shell scripts sed

#automationconfessions

### Tools









# Shell scripts sed awk

#automationconfessions

### Tools









# Scripting python ruby

#automationconfessions

## Tools

#### (still an incomplete list)











(still an incomplete list)

#### #!/usr/bin/env node

const path = require('path'); const fs = require('fs'); const cp = require('cp');

if (process.argv.length < 3) { process.exit(1);

#### // Do something useful

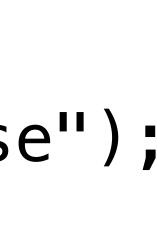
## |00|S|



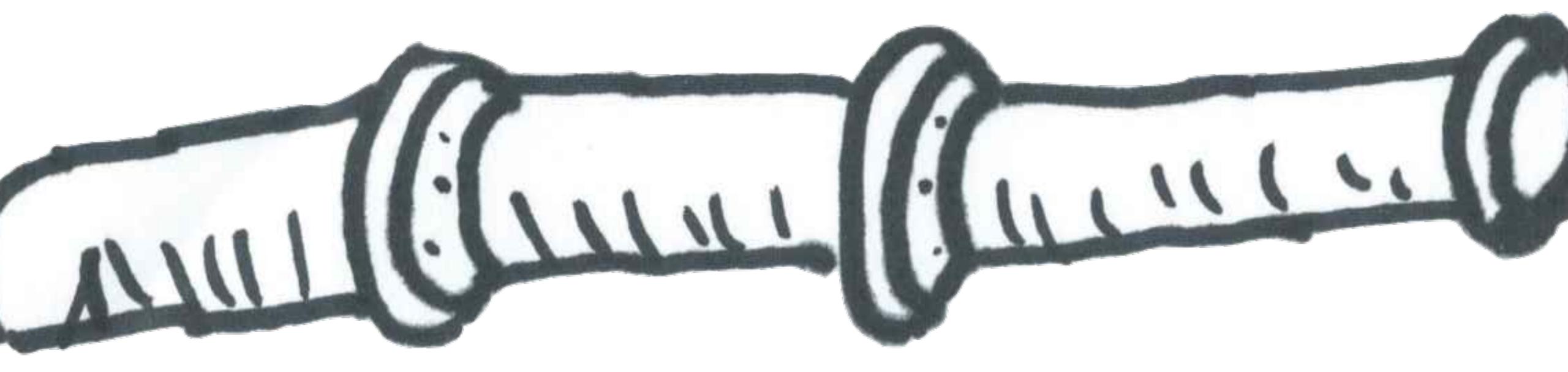
# console.log("Usage: usefulScript something somethingElse");



@holly\_cummins







## Tools

#### (still an incomplete list)





#### Jenkins

#automationconfessions

## Tools

#### (still an incomplete list)

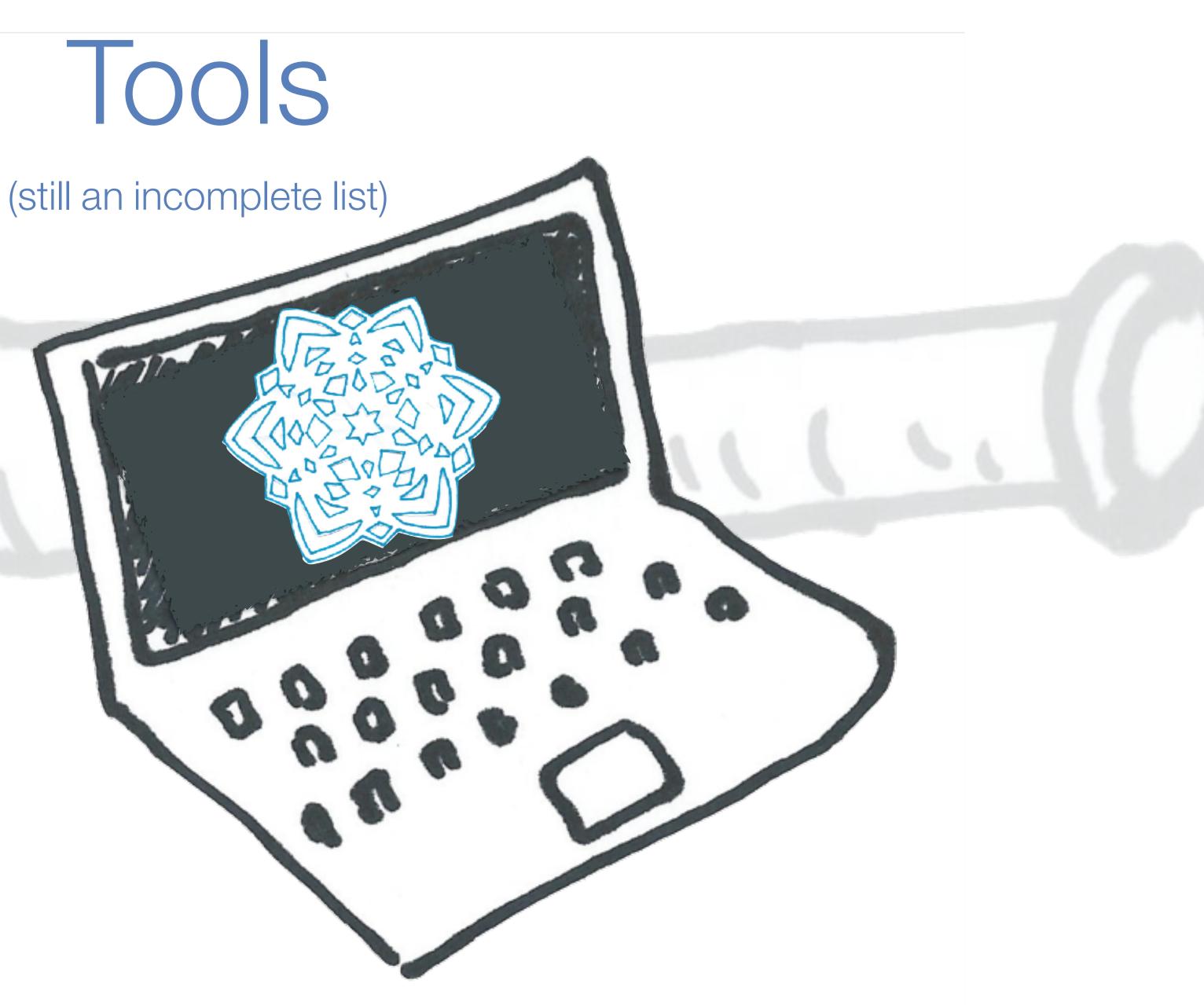






#### Jenkins

#automationconfessions

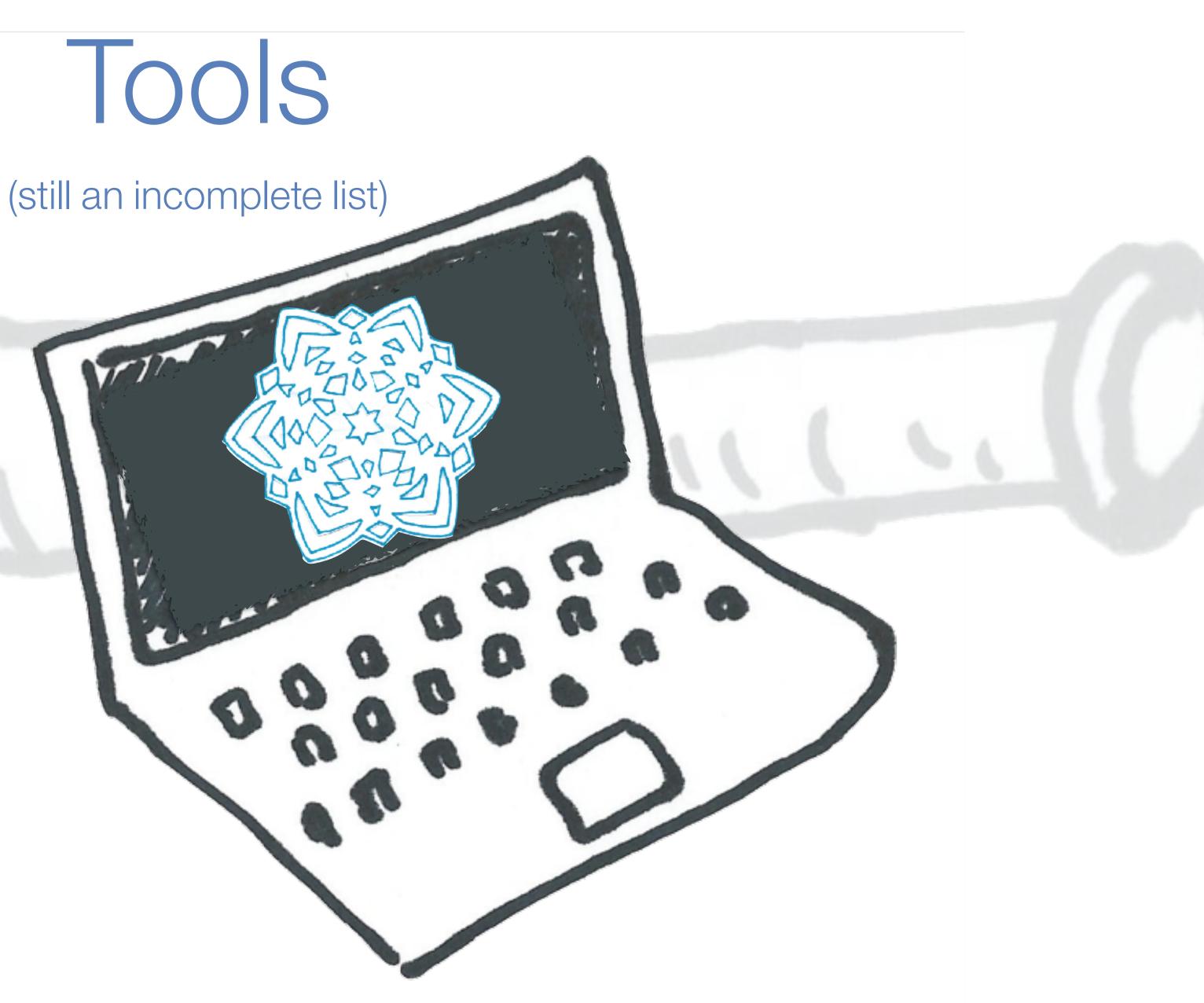






## Jenkins Concourse

#automationconfessions







## Jenkins Concourse

#automationconfessions

# Tools







## Jenkins Concourse Rational Team Concert

#automationconfessions

# Tools







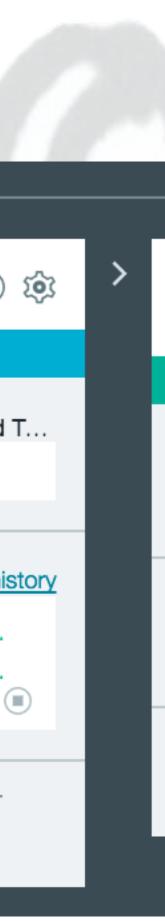
## Jenkins Concourse Rational Team Concert Bluemix Build and Deploy

Pipeline: All S	5
Build and	C
5	5
LAST INF	
JOBS	
<ul> <li>✓ B</li> </ul>	
LAST EX Loading	

# Tools

	I.			
Stages				
nd Test 🕟 🔯	>	Deploy 🕞 🔅	>	Batch Processes
STAGE PASSED		STAGE PASSED		STAGE RUNNING
PUT <i>P</i> Git URL		LAST INPUTStage: Build and T		LAST INPUTStage: Build and
<u>View logs and history</u> Build Succee		JOBS <u>View logs and history</u> Deploy Succee		JOBS <u>View logs and his</u> Update Succee Update Succee
ECUTION RESULT		LAST EXECUTION RESULT Loading		Update Running
				LAST EXECUTION RESULT Loading







#automationconfessions

# Tools







#automationconfessions

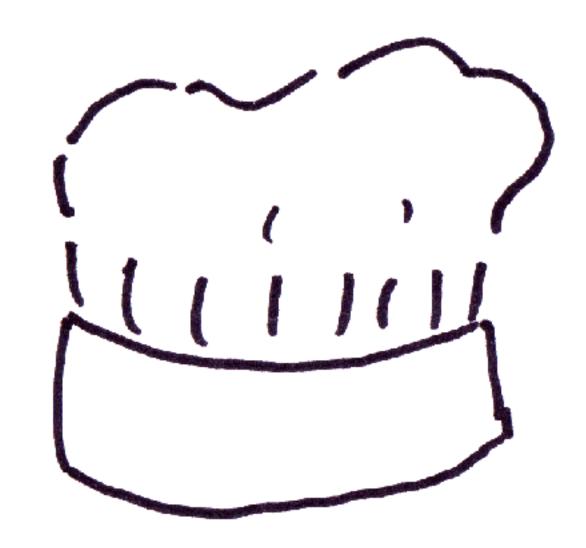
# Tools

## Chef









#automationconfessions

# Tools

## Chef Puppet







#automationconfessions

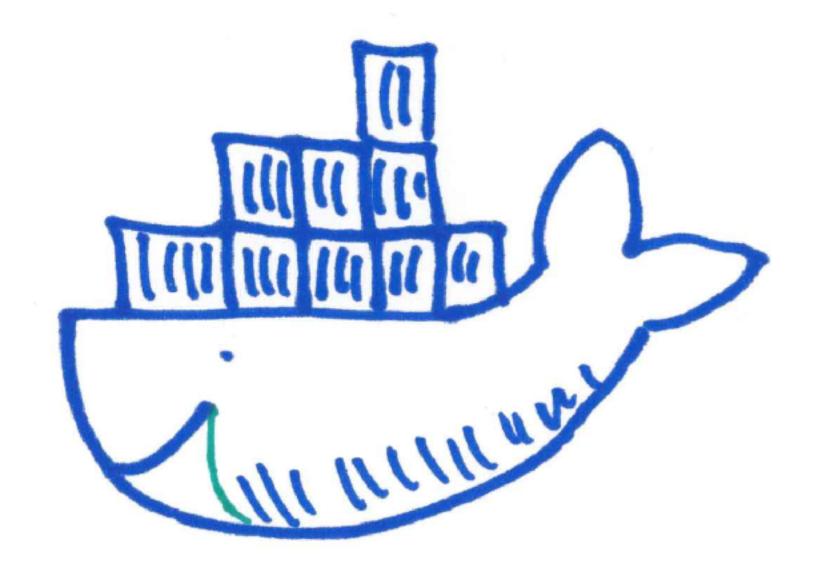
# Tools

Chef Puppet sprout-wrap





(you'll never guess - still an incomplete list)



#automationconfessions

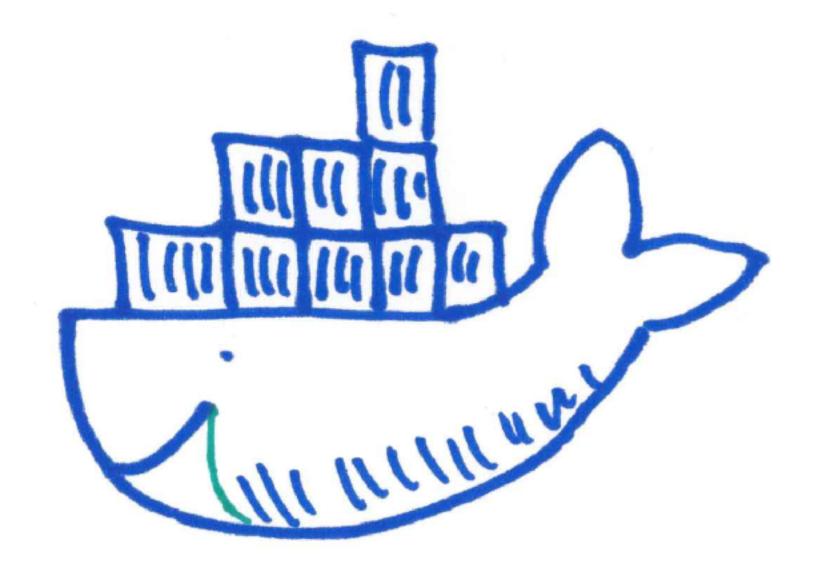
# Tools







(you'll never guess - still an incomplete list)



#automationconfessions

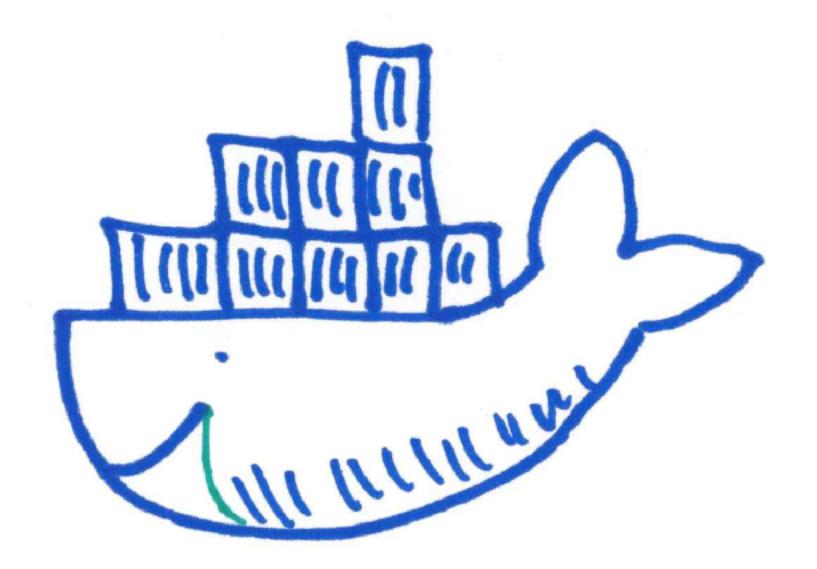
# Tools







(you'll never guess - still an incomplete list)



## Docker, VMWare, and Vagrant images

#automationconfessions

# TOOS



@holly\_cummins

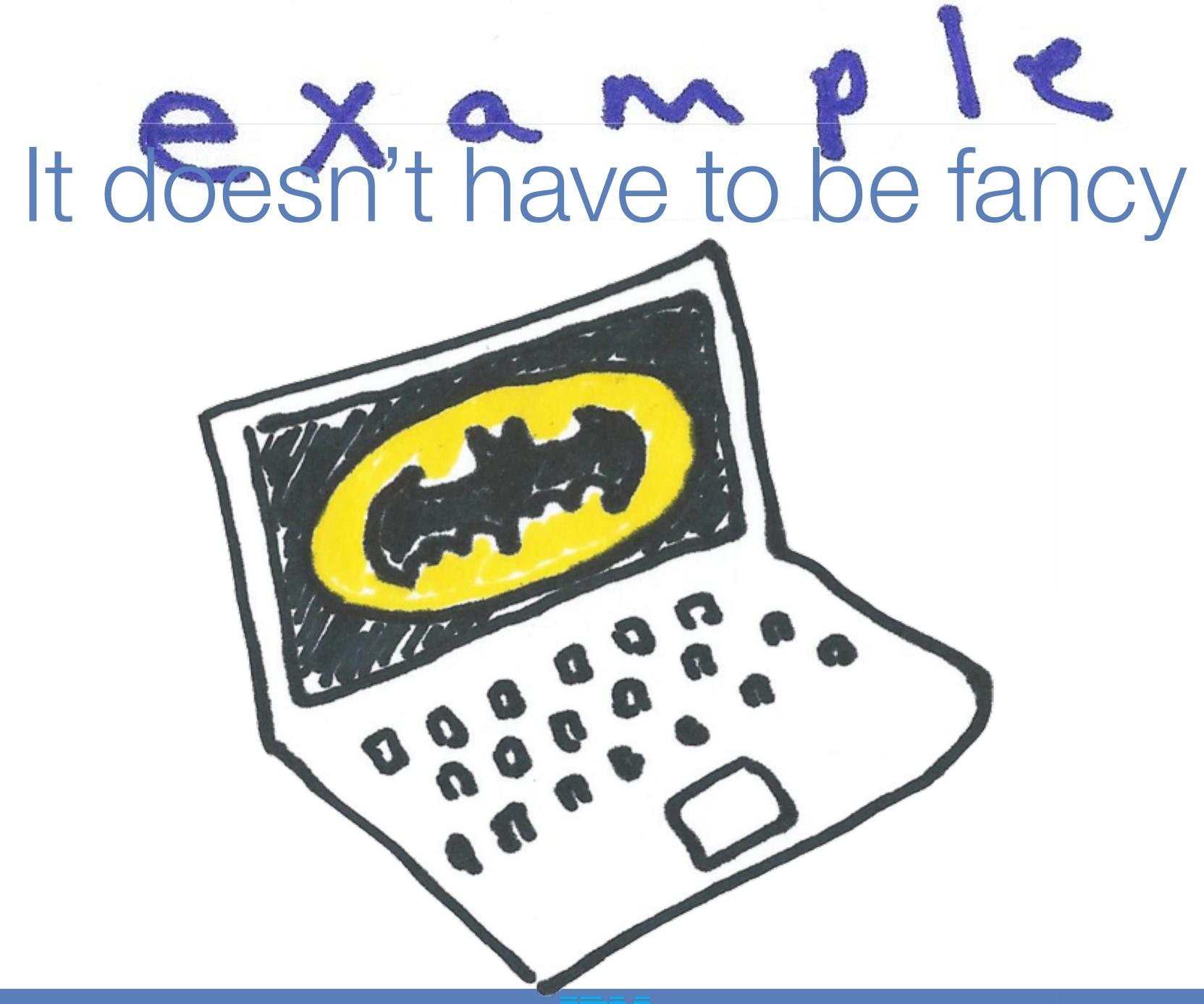


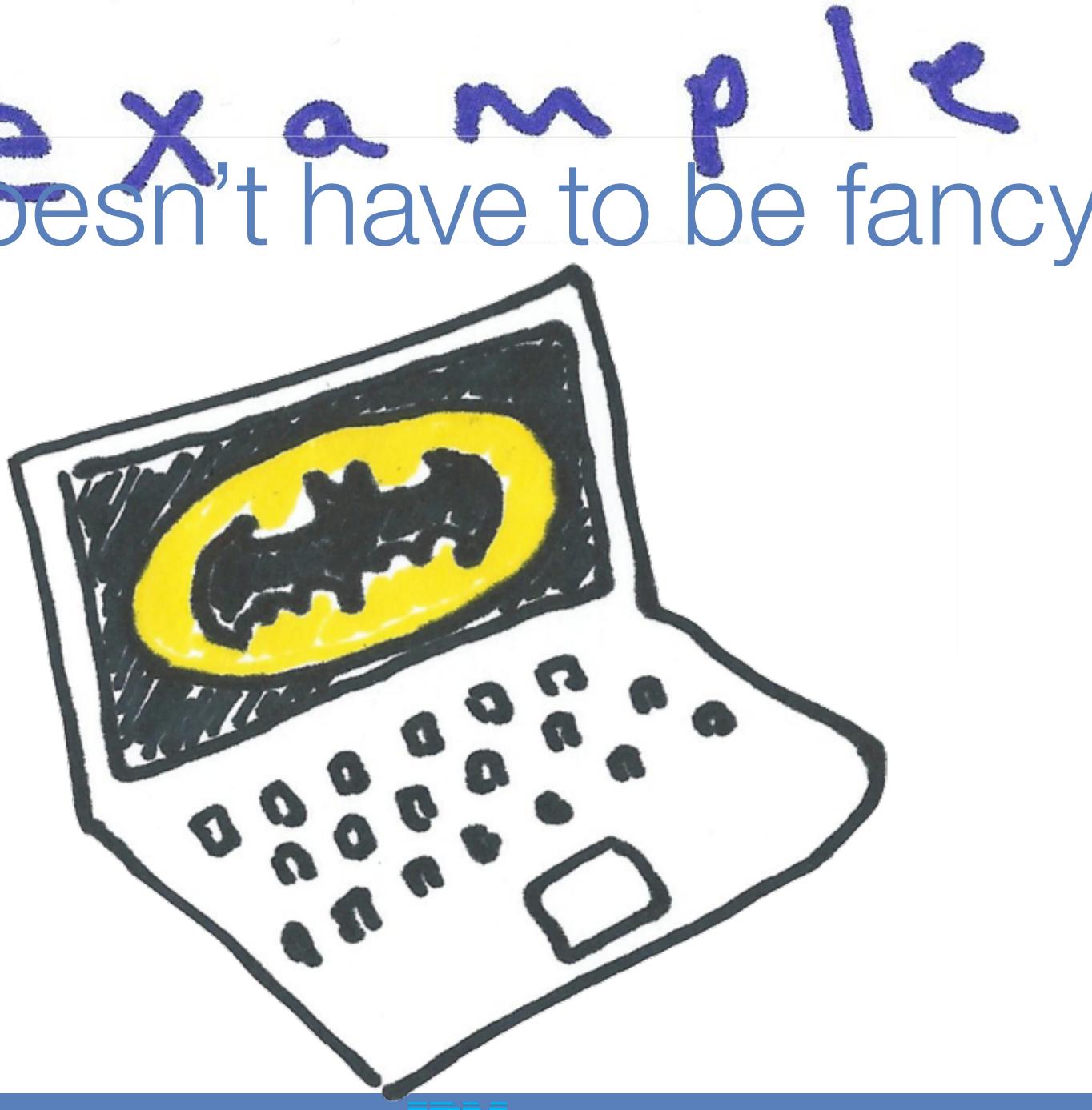








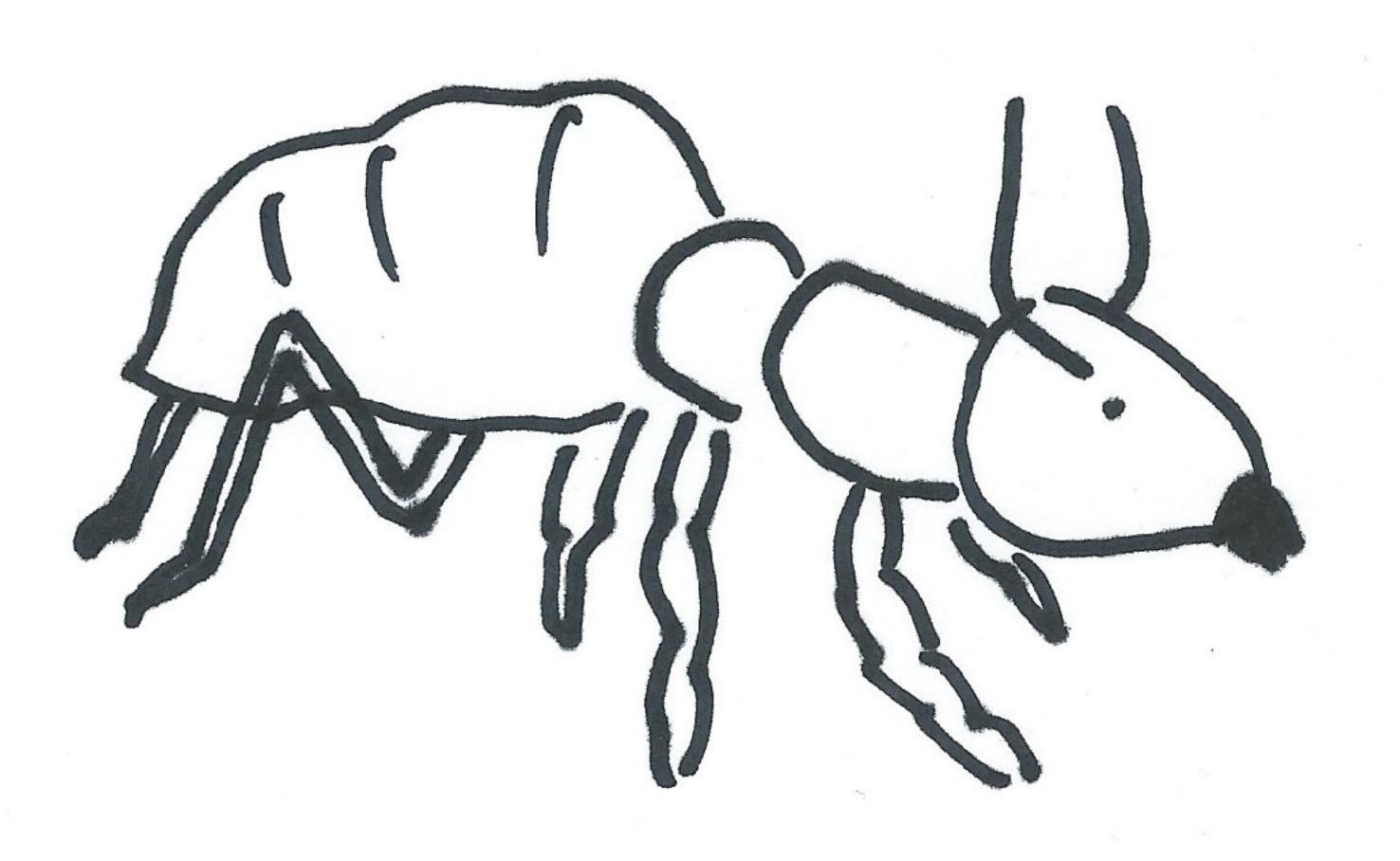




@holly\_cummins





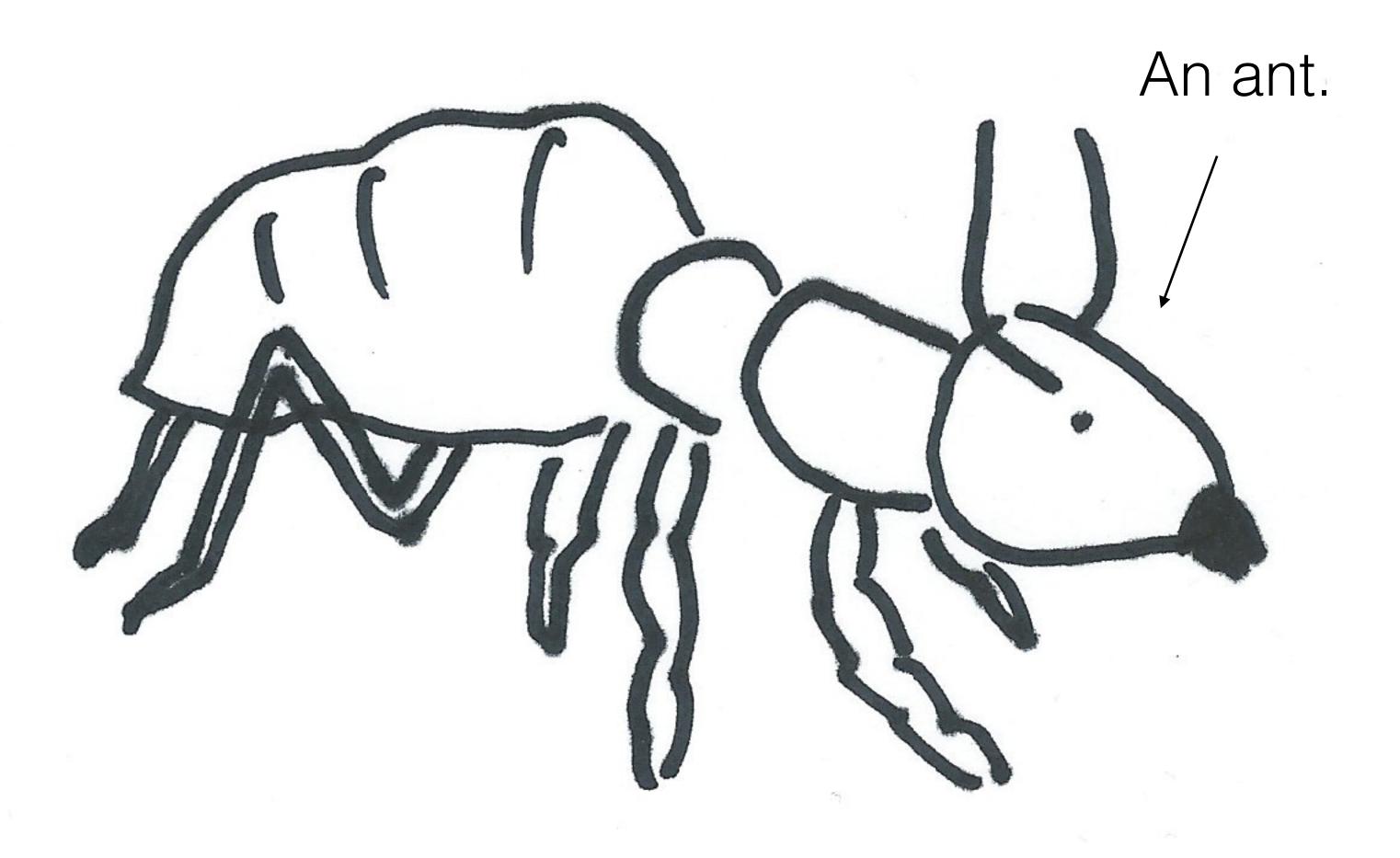


# Tools









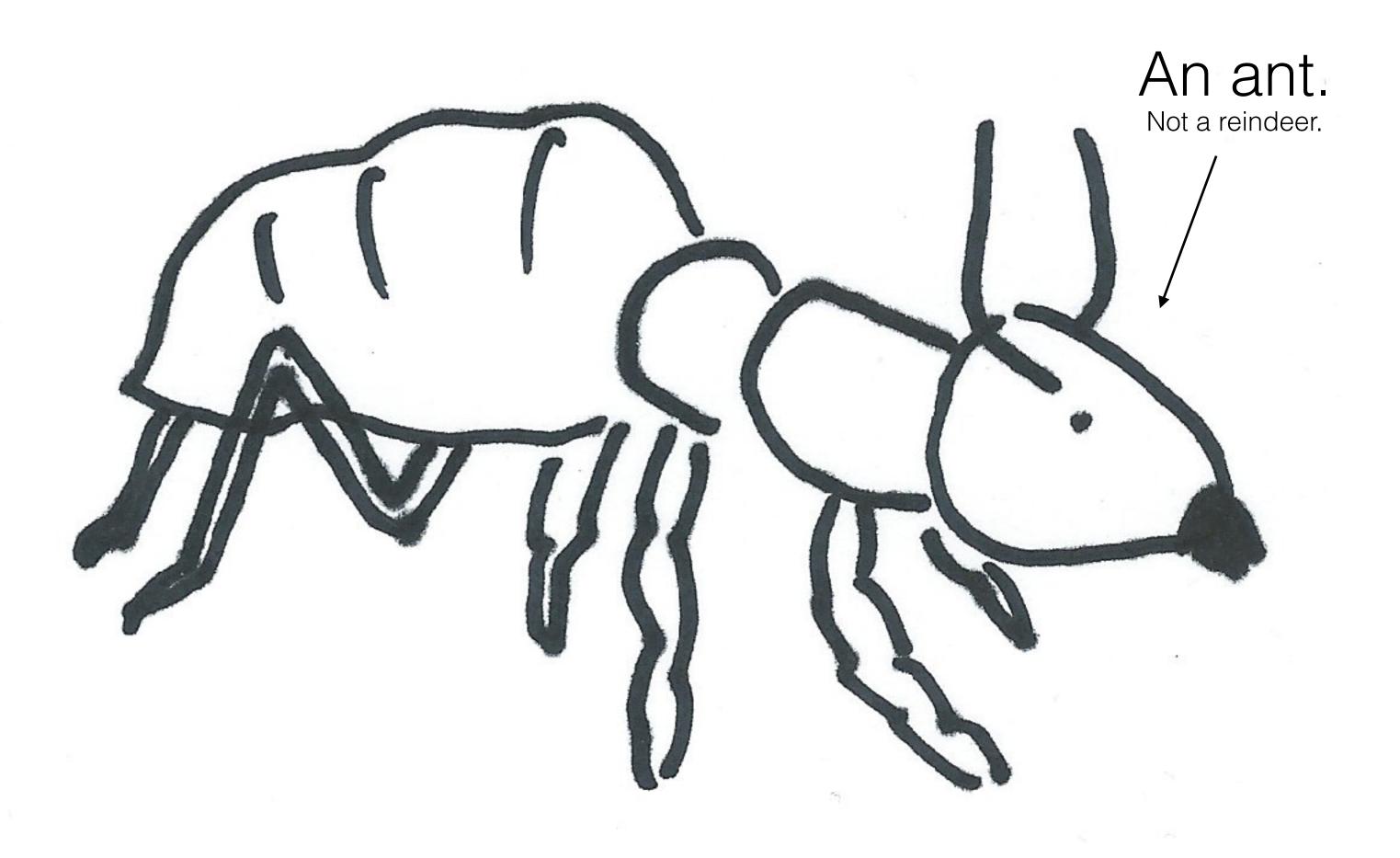
### #automationconfessions

# Tools









### #automationconfessions

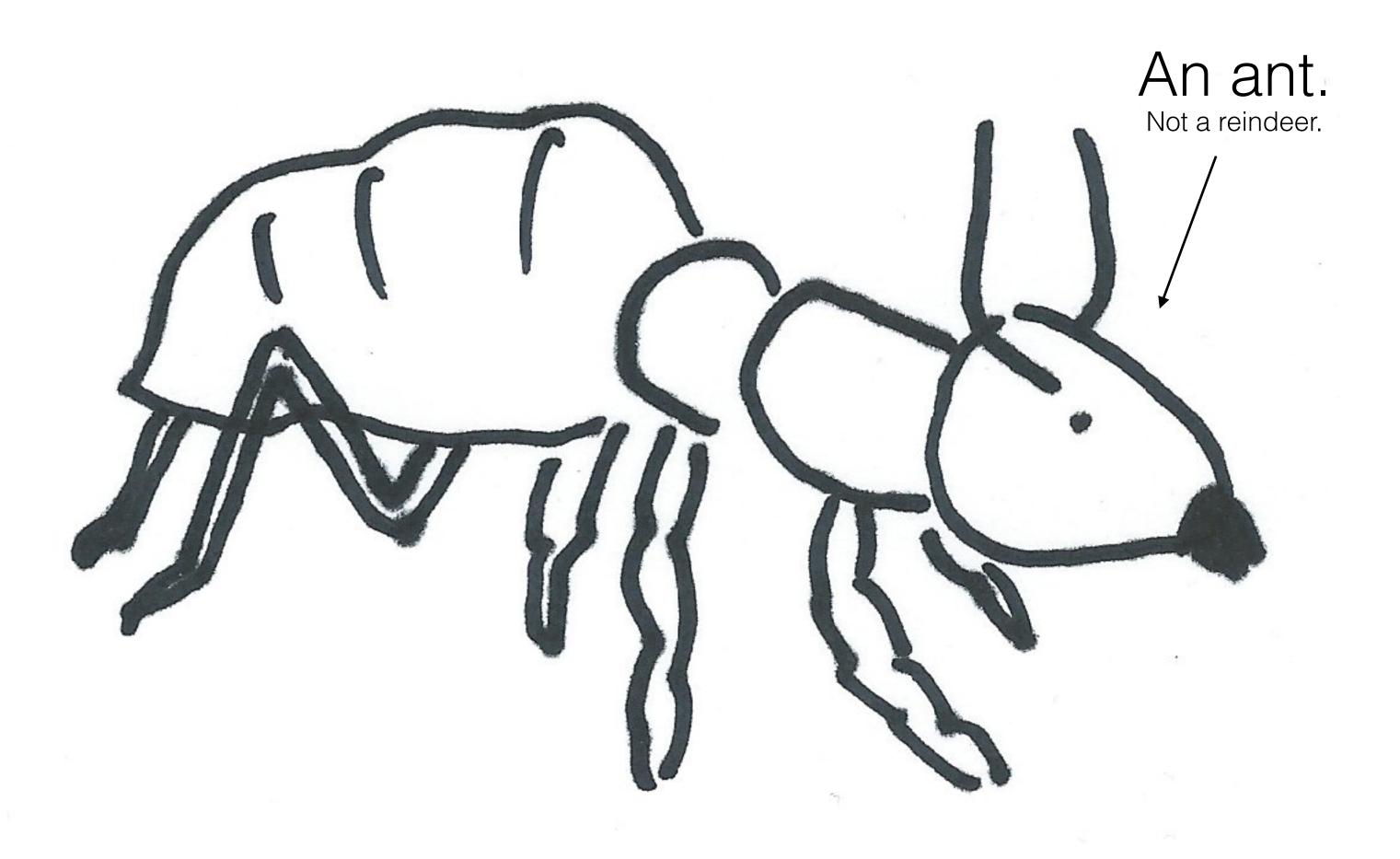
# Tools







### Ant



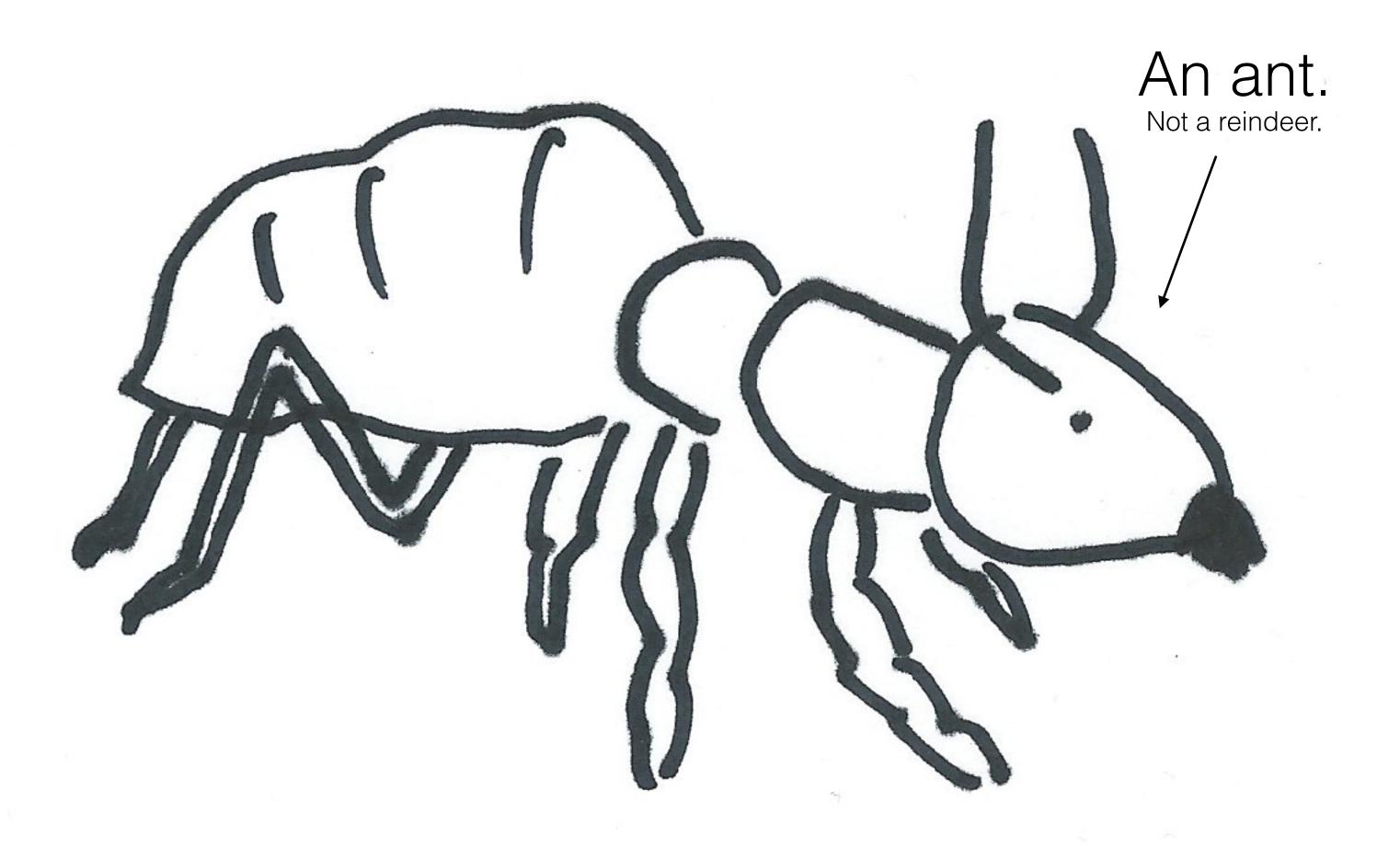
# Tools







### Ant Maven



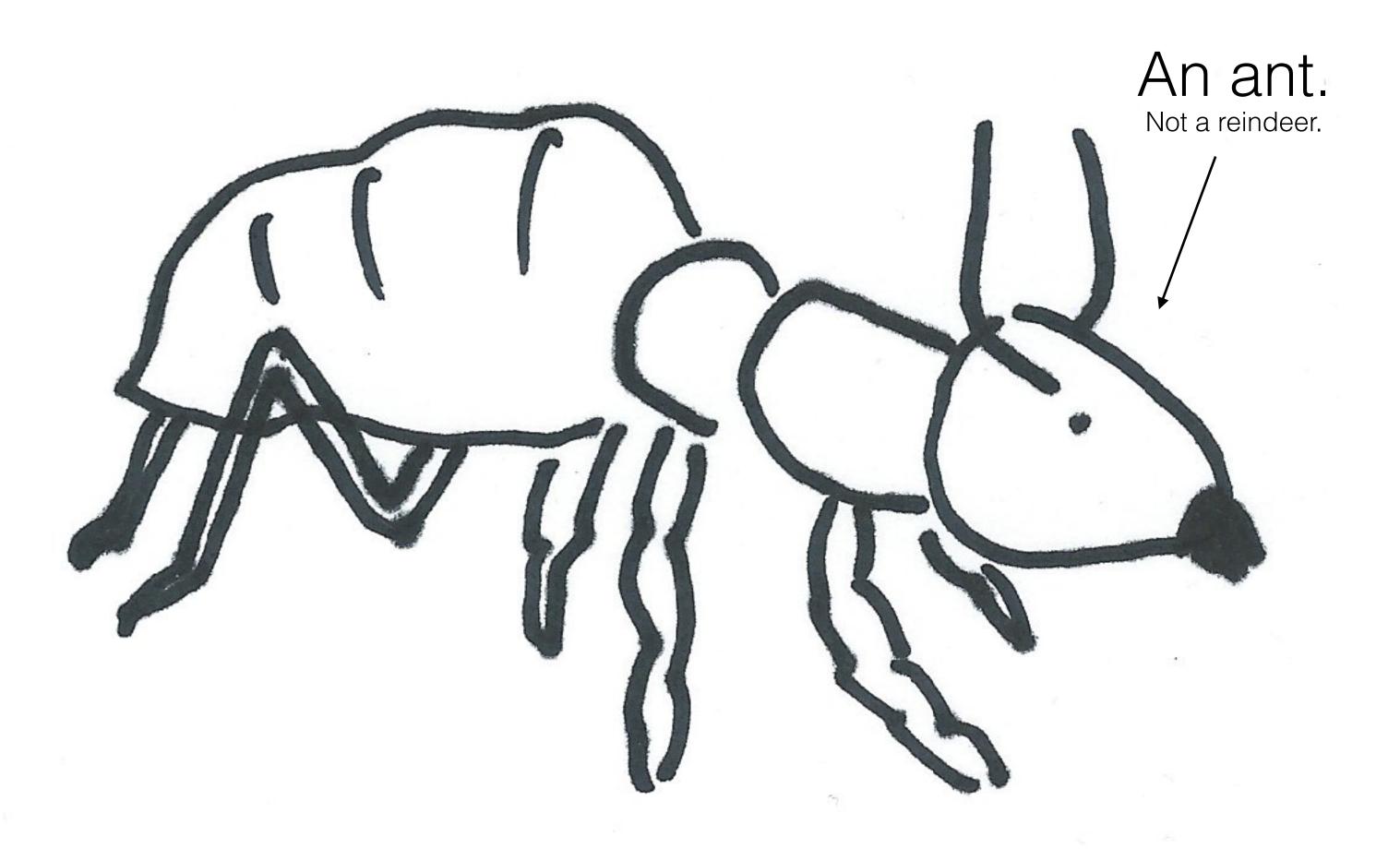
# Tools







### Ant Maven Gradle



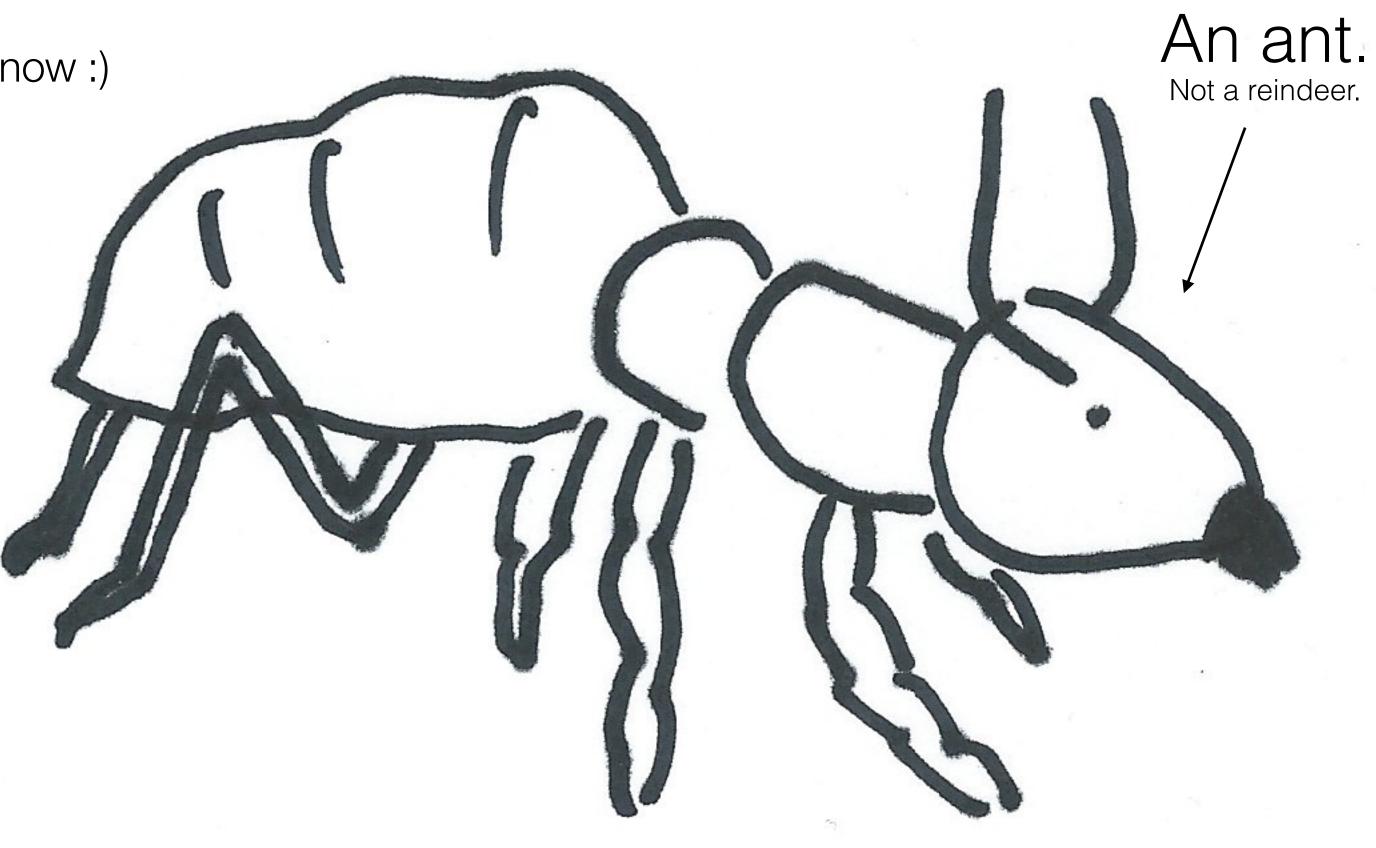
# Tools







### Ant Maven Gradle Non-Java build tools I don't know :)

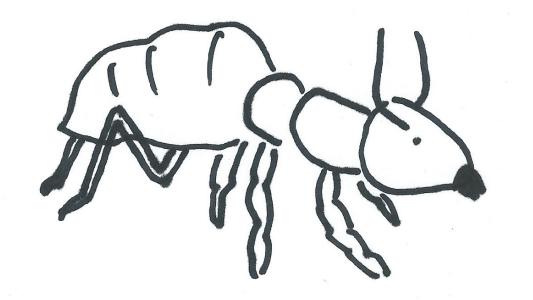


# Tools









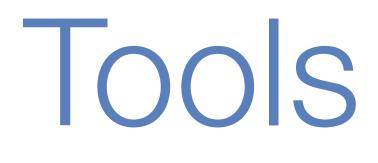
#automationconfessions

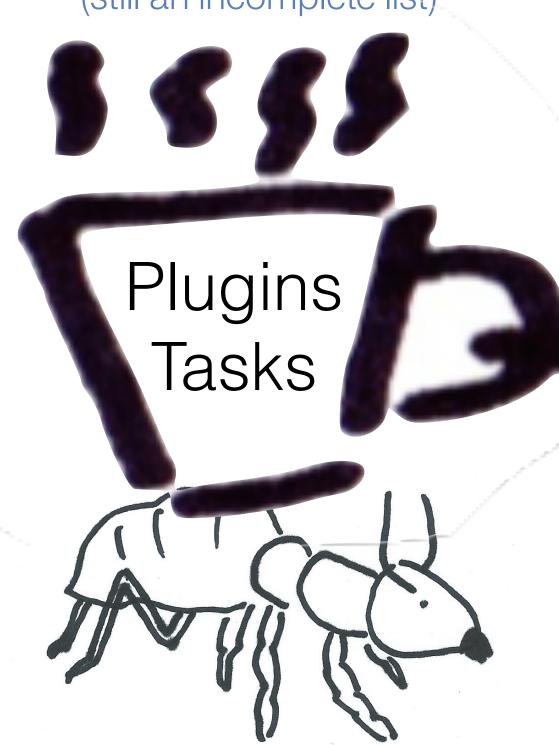
# Tools





















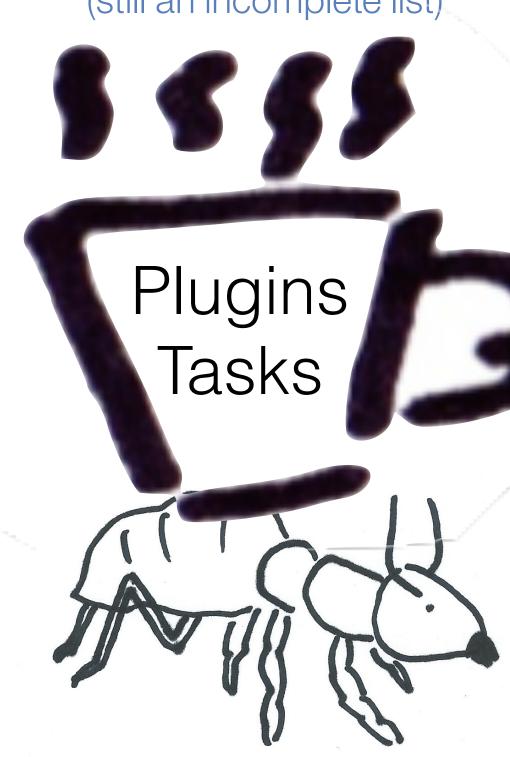
## Know your build tool.

#automationconfessions









## Know your build tool. Extend your build tool.

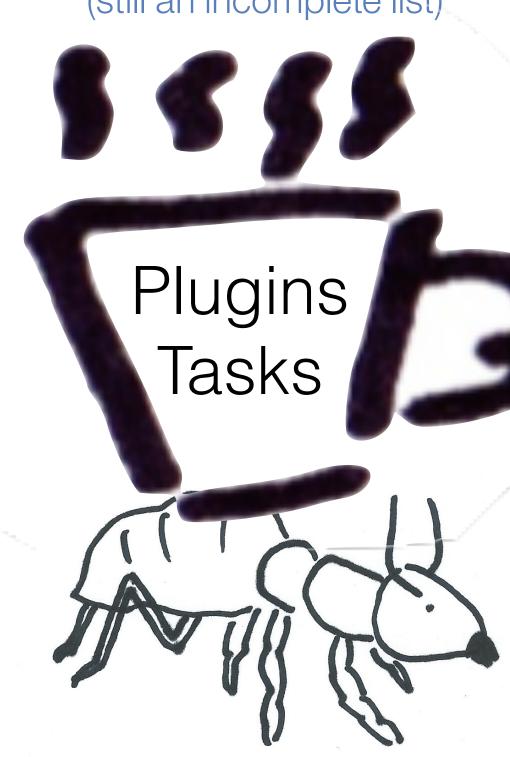
#automationconfessions











## Know your build tool. Extend your build tool.

#automationconfessions













Srikanth K M 11:37 AM

@here Is the REST API for cf ic cpi exposed to users? I do not see it here : http://ccsapi-doc.mybluemix.net/#/



Reggie Robot BOT 11:37 AM

One sec, I'll ping the interrupt pair for you...

The current interrupt pair is:

Tim Glover-Poultn Matthew Green: @



fat-controller BOT 7:59 PM

Spotted approval request - raising IDS ticket...

Train is waiting at the station, ticket 96381, waiting on approval from one of: @ralph,@colin,@tonyg,@cullepl,@fat-controller, https://jazzop27.rtp.raleigh.ibm.com:9443/ccm/resource/itemName/com.ibm.team.workitem.WorkItem/96381 (prod-trains approval to deploy Sensu check to monitor for Ibaas agent on network nodes. squad: Container Runtime)



tonyg 10:20 PM approve 96381



fat-controller BOT 10:20 PM

approval recorded in RTC

Ticket 96381 resolved

Mind the doors please! Choo Choo 🚋 🚋 @marian



marian 10:20 PM Thanks

# TOOS















Srikanth K M 11:37 AM

@here Is the REST API for cf ic cpi exposed to users? I do not see it here : http://ccsapi-doc.mybluemix.net/#/



Reggie Robot BOT 11:37 AM

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Spotted approval request - raising IDS ticket...

Train is waiting at the station, ticket 96381, waiting on approval from one of: @ralph,@colin,@tonyg,@cullepl,@fat-controller, https://jazzop27.rtp.raleigh.ibm.com:9443/ccm/resource/itemName/com.ibm.team.workitem.WorkItem/96381 (prod-trains approval to deploy Sensu check to monitor for Ibaas agent on network nodes. squad: Container Runtime)



tonyg 10:20 PM approve 96381



fat-controller BOT 10:20 PM

approval recorded in RTC

Ticket 96381 resolved

Mind the doors please! Choo Choo 🚋 🚋 @marian



marian 10:20 PM Thanks

### Chat integrations

# **OOIS**





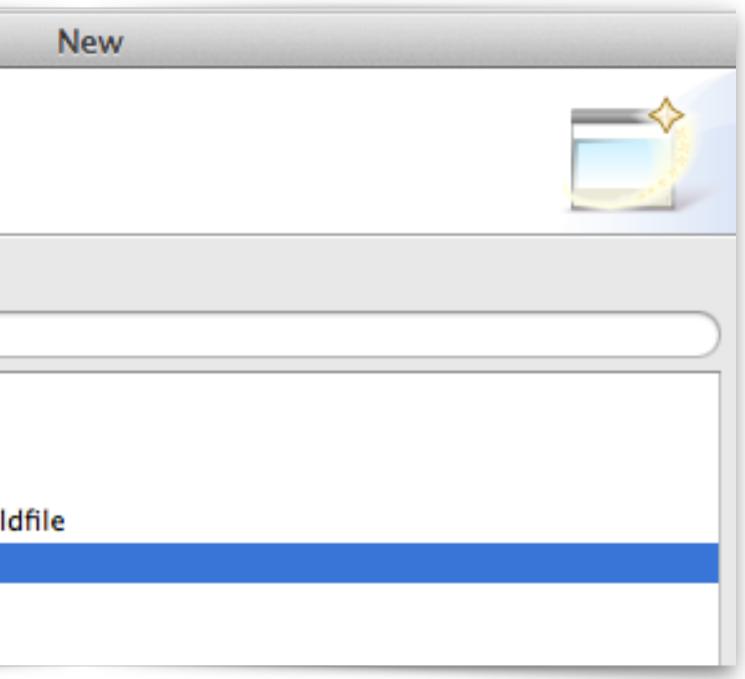






### . . . $\mathbf{0}$ Select a wizard Create a Plug-in Project Wizards: type filter text 🕝 Class 🗊 Interface / Java Project # Java Project from Existing Ant Buildfile 📬 Plug-in Project ji Web Project ► 🗁 General

# Tools









# Eclipse plugins

## $\Theta \cap \Theta$

. .

Select a wizard

Create a Plug-in Project

### Wizards:

type filter text

Class Class
🗊 Interface
/ Java Project
# Java Project from Existing Ant Build
邟 Plug-in Project
🗊 Web Project
General

# TOOIS

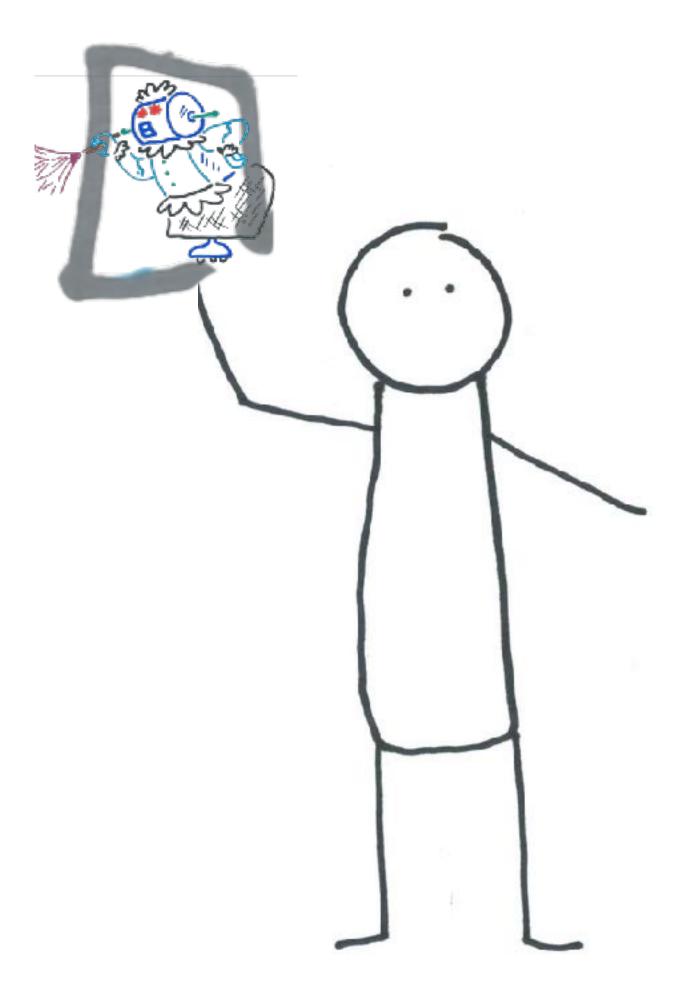
New	
ldfile	







# Tools

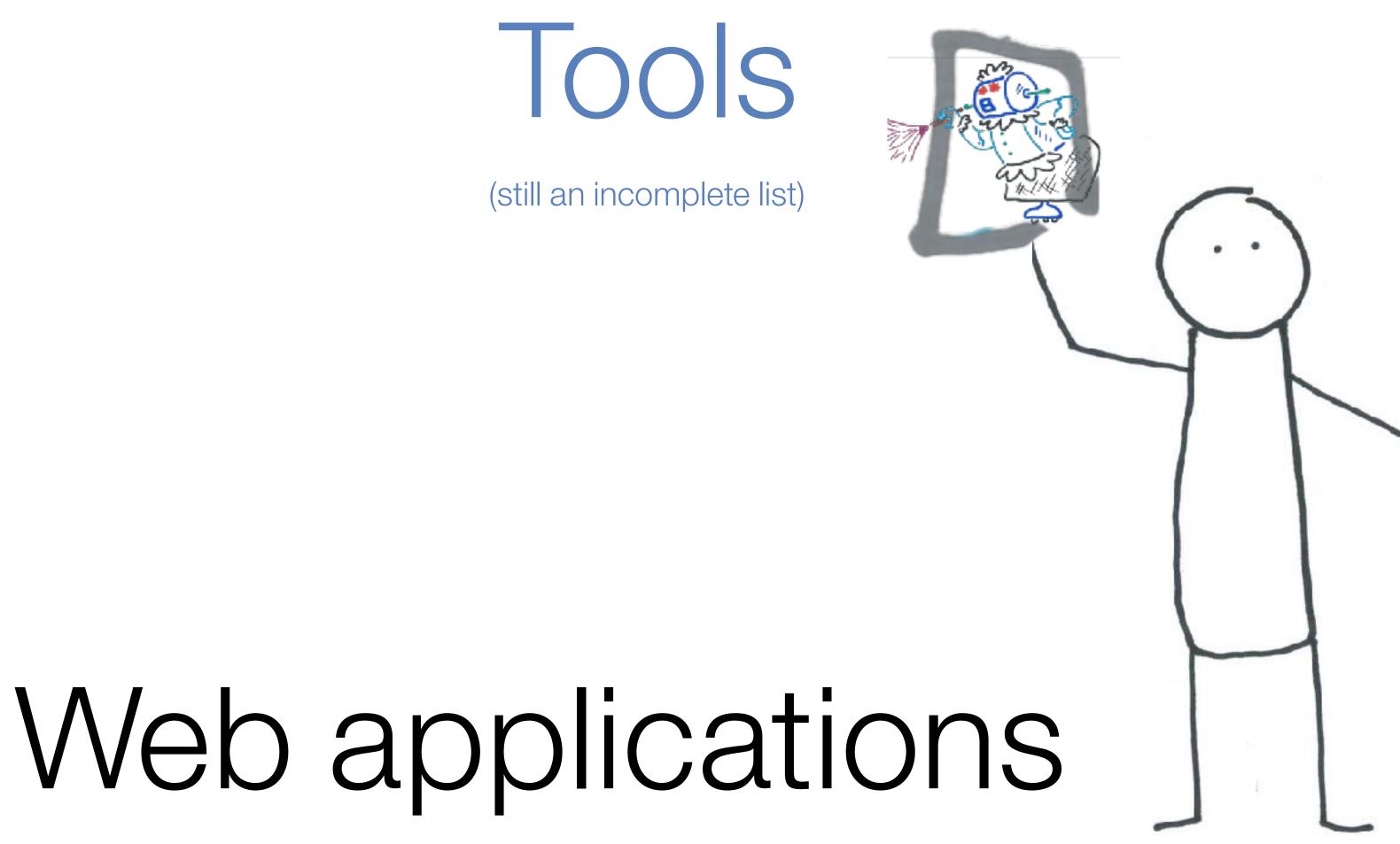


















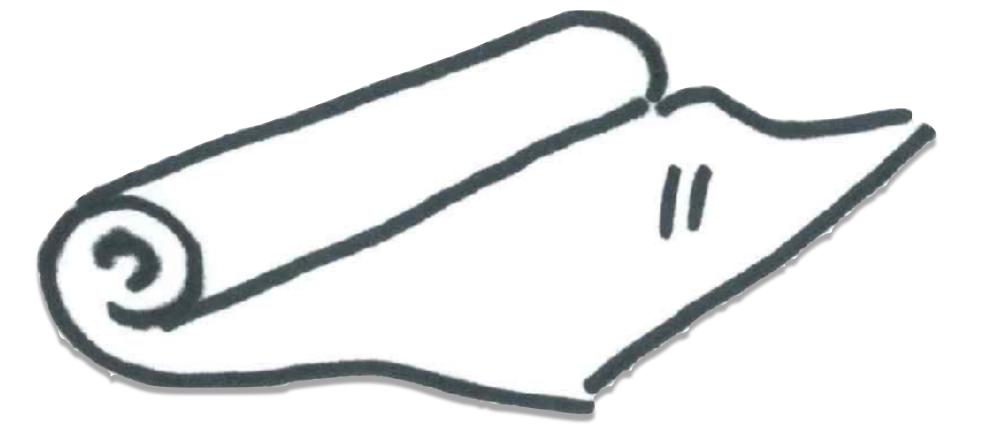
(If a UI is involved, proceed with caution)

#automationconfessions





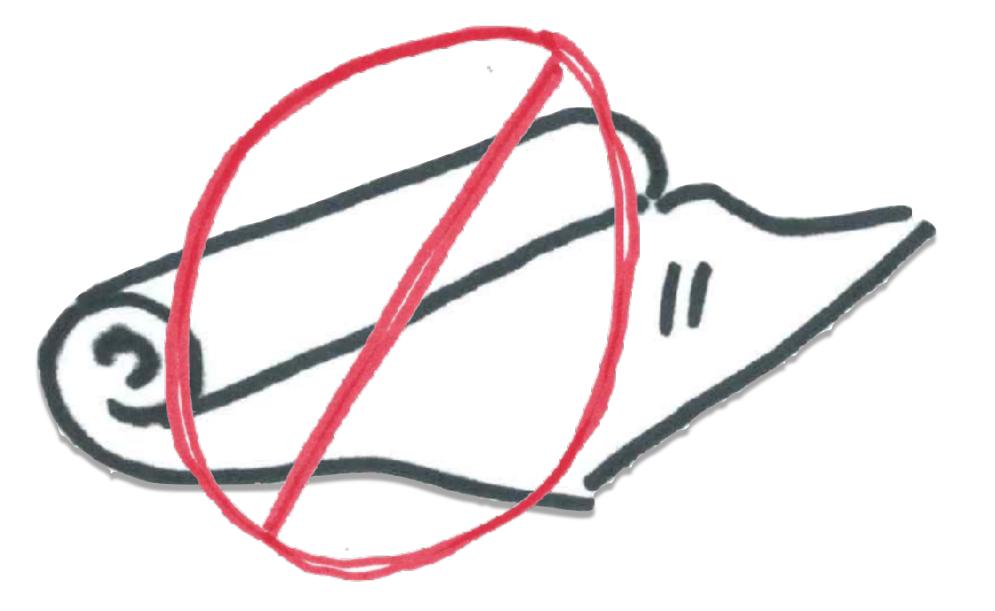




# Rolling your own







# Rolling your own

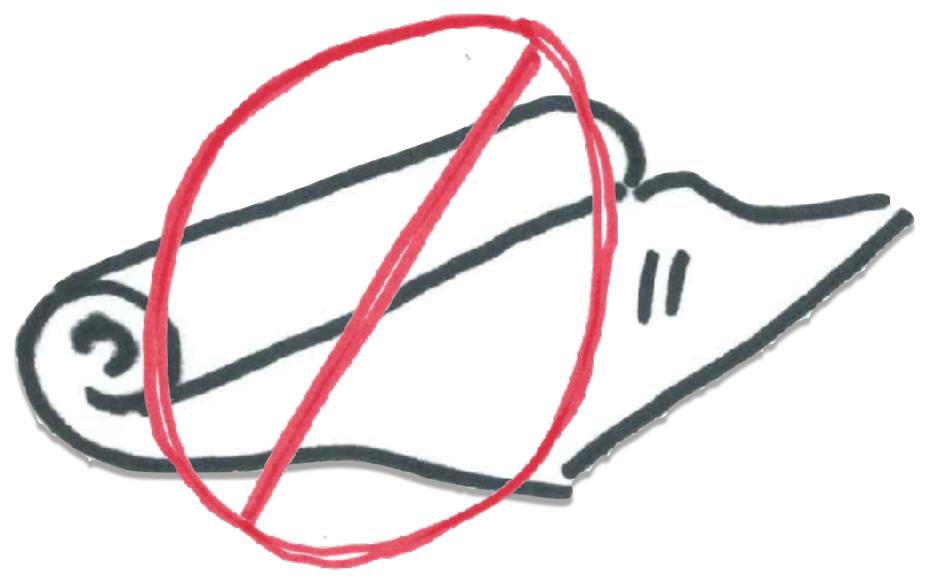
## Beware not-invented-here







## Are you sure no one else has done this?



#automationconfessions

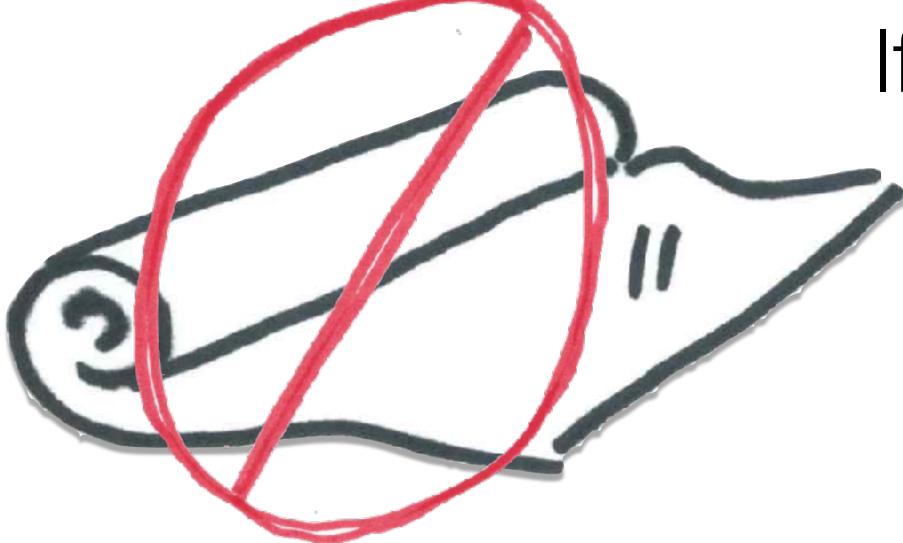
# Rolling your own

## Beware not-invented-here









# Rolling your own

Beware not-invented-here Are you sure no one else has done this? If not, maybe there's a good reason?







Beware not-invented-here Are you sure no one else has done this? If not, maybe there's a good reason? Beware **fun** 



## Rolling your own





Beware not-invented-here Are you sure no one else has done this? If not, maybe there's a good reason? Beware fun



#automationconfessions

## Rolling your own

But do innovate (and have fun)





Finally ...







## Aren't we lucky to have careers where automation is not just allowed, but encouraged?

#automationconfessions

Finally ...







@holly\_cummins



## Aren't we lucky to have careers where laziness is not just allowed, but encouraged?

Finally ...







## Aren't we lucky to have careers where fun is not just allowed, but encouraged?

#automationconfessions

Finally ...







# Why are we here?







# Why are we here? To make things better.







# Automate stuff ...





# Automate stuff ... ... SO We can use our power for what really matters.





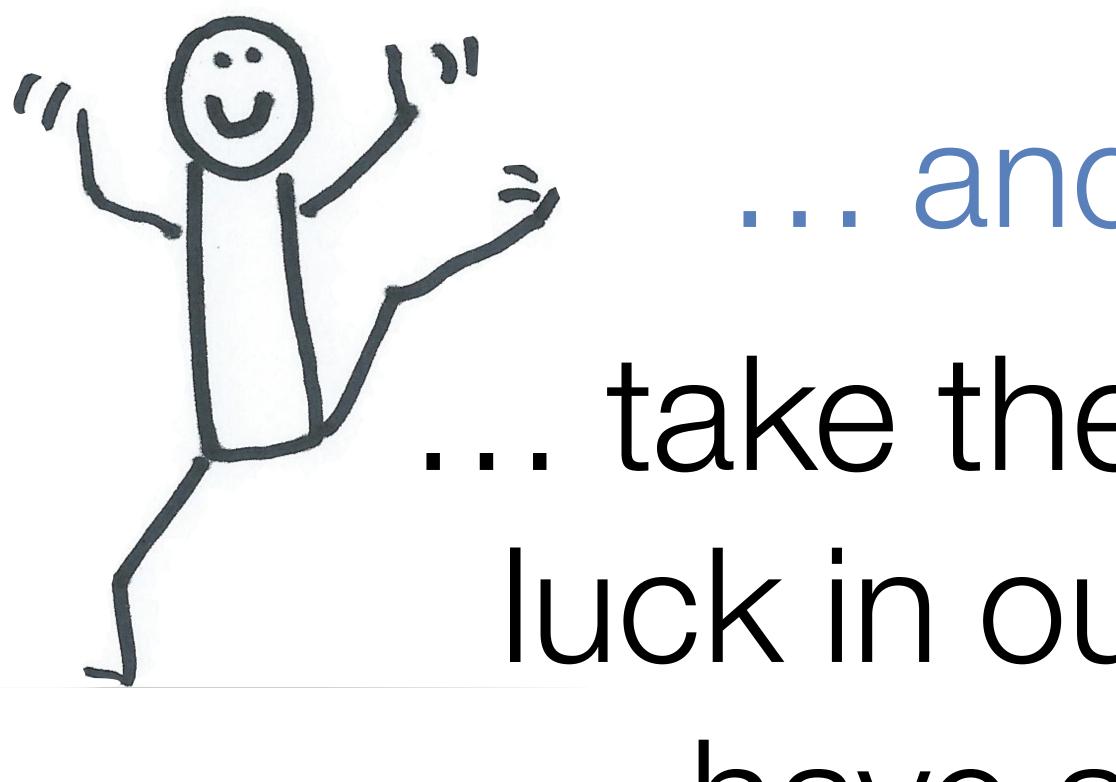


## A second seco









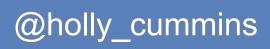
## ... and then ...

# ... take the love and good luck in our jobs that we have and share it.











# Any Questions?

## @holly\_cummins www.bluemix.net www.wasdev.net



