



# **Making Continuous Delivery Work for You: The Songkick Experience**

Amy Phillips

# Amy Phillips

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# Be the first to know about concerts

Track your favorite artists and never miss them live.

[START TRACKING BANDS](#)



## Track your favorite bands

Tell us who you want to see live. Easily organize artists and concerts in one convenient place.



## Free personalized concert alerts

Songkick emails you when your tracked bands come to your area. No spam about bands you don't care about.



## Find out before tickets sell out

We send concert alerts early - way before tickets sell out. Never miss out on a great concert again.

# Modest Mouse


✓ Verified by artist


✈ On tour: yes

📅 2015-2016 tour dates: [14 concerts](#)

417,930 fans tracking concert alerts for this artist.

Track artist

 Import iTunes artists

 Import Facebook artists

## Track more artists

PANDORA

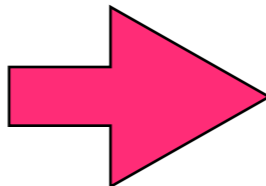
Pandora email

Import

last.fm

Last.fm username

Import



## Your artists' concerts

We've found concerts for you in:

London (131 upcoming concerts)

[Add to](#) or [edit](#) your tracked locations and artists.

Subscribe to your artists' events

 Add to Google Calendar

 Add to iCal

 Add to Outlook

### Tuesday 24 February 2015

[The War On Drugs](#)

Amen Dunes

O2 Academy Brixton, London, UK

Buy tickets

Track event

I'm going



### Saturday 28 February 2015

[Unkle Sounds](#)

8:58, μ-Ziq, and Neil Barnes - Leftfield

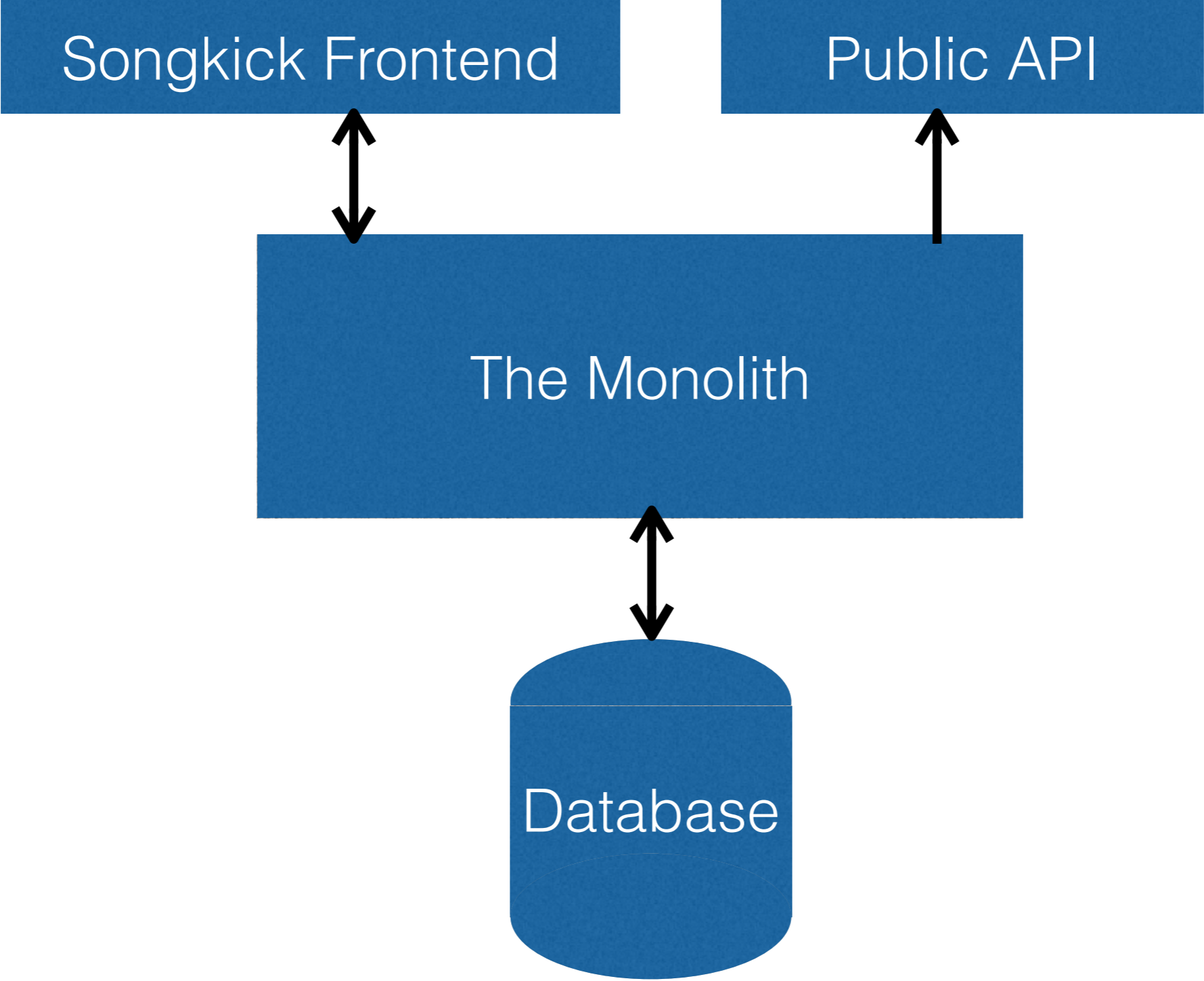
KOKO, London, UK

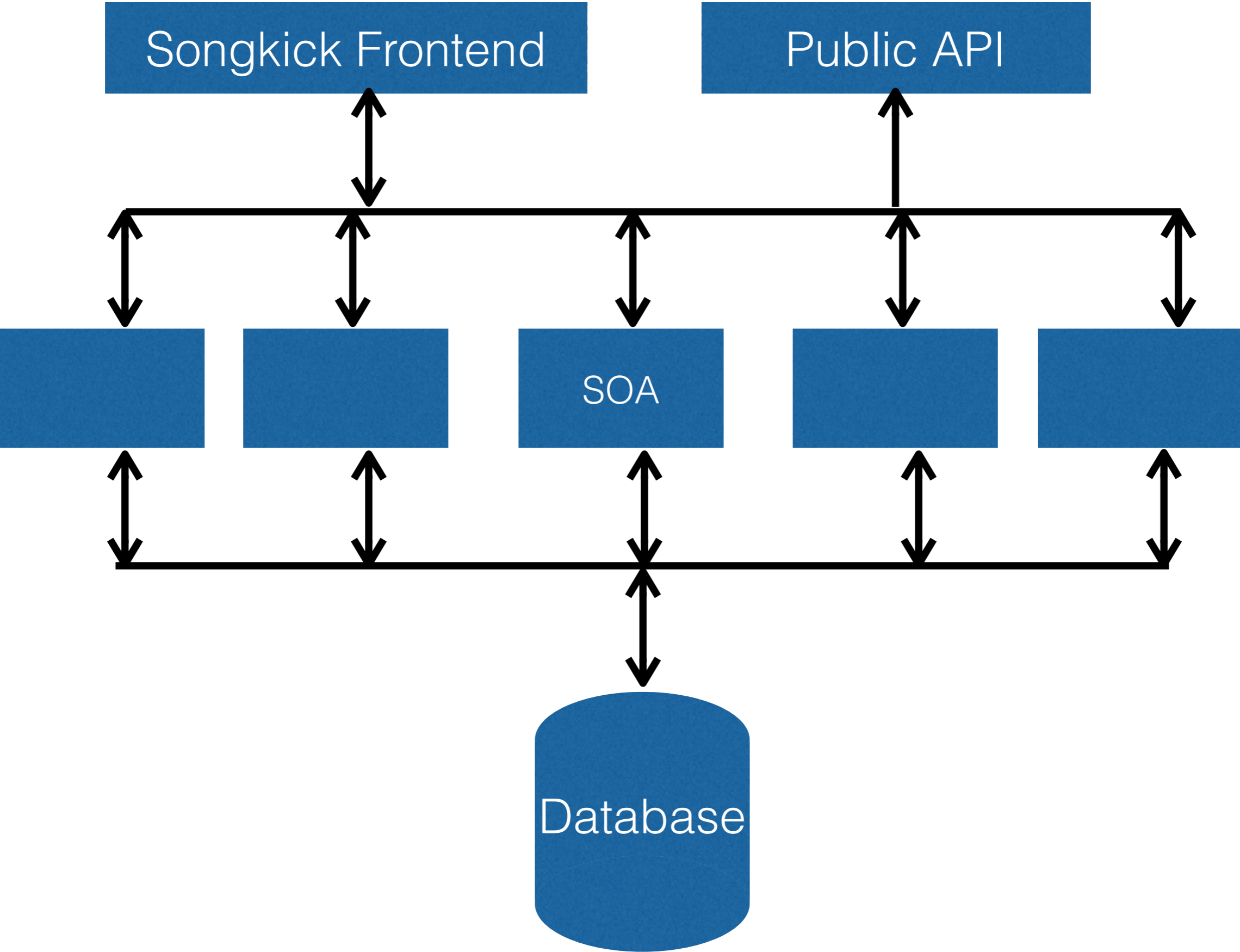
Buy tickets

Track event

I'm going

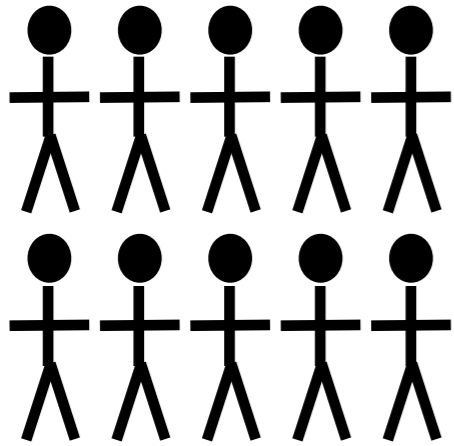




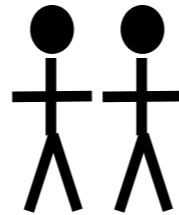


# The Team

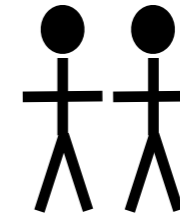
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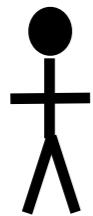
Developers



Product Managers



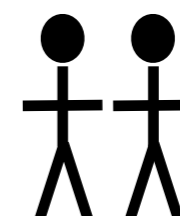
Designers



SysAdmin



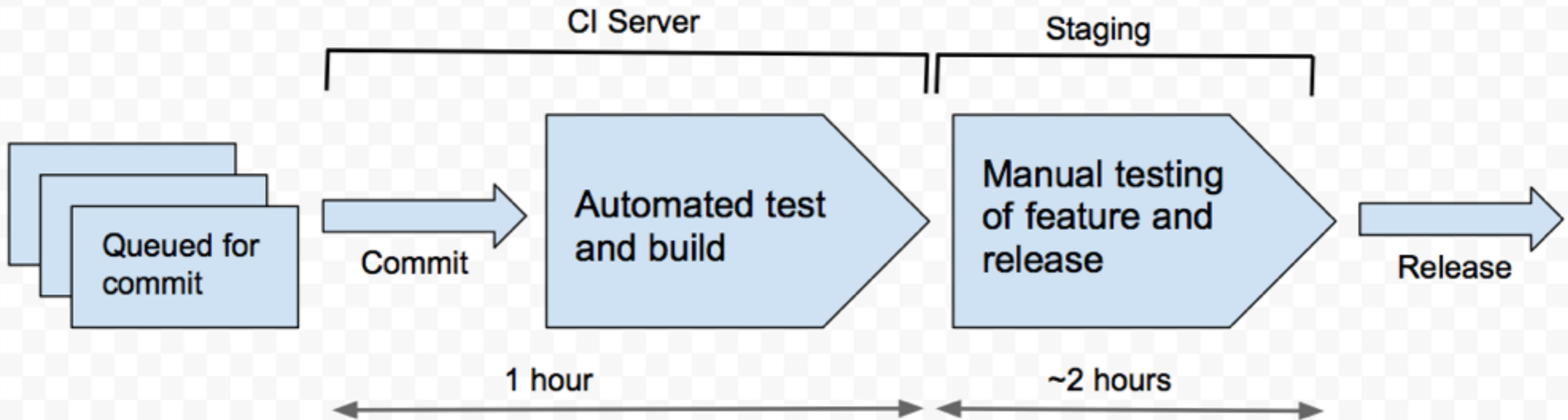
Testers



User Support

# The (old) Songkick Way

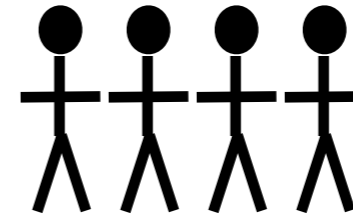
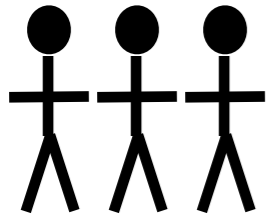
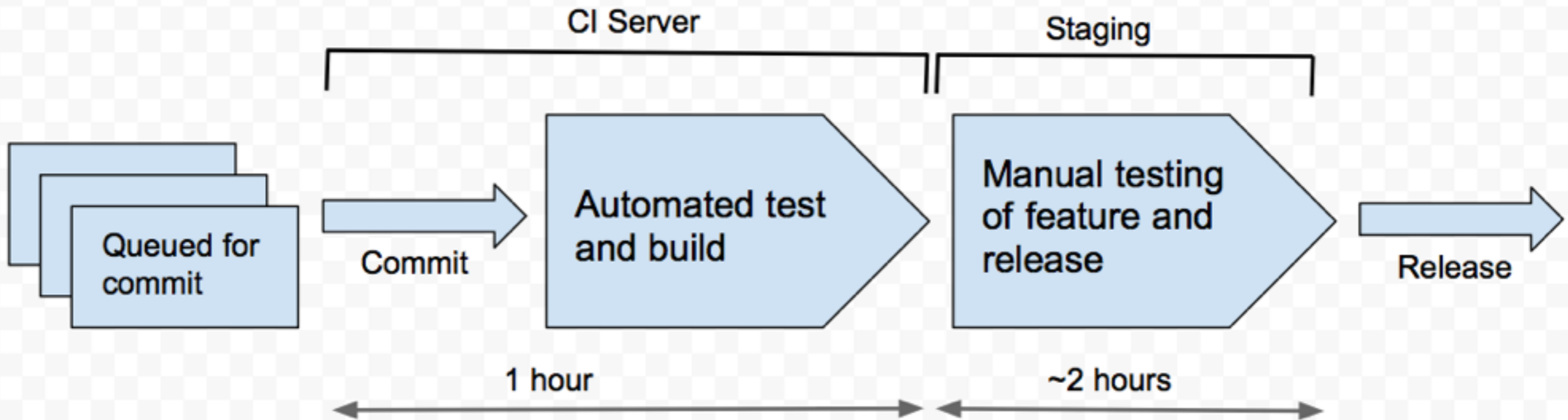
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# The (old) Songkick Way

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# How can we move faster?

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# Why do we have this process?

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- Responded to release problems by adding safeguards
- Leads to inflexible test and release process
- Release safeguards need risk assessment

# Consider your options

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Scheduled Releases

Or

Continuous Delivery

# What are our values?

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- Ship new features as soon as possible
- Developers responsible for production quality

# Moving to Continuous Delivery

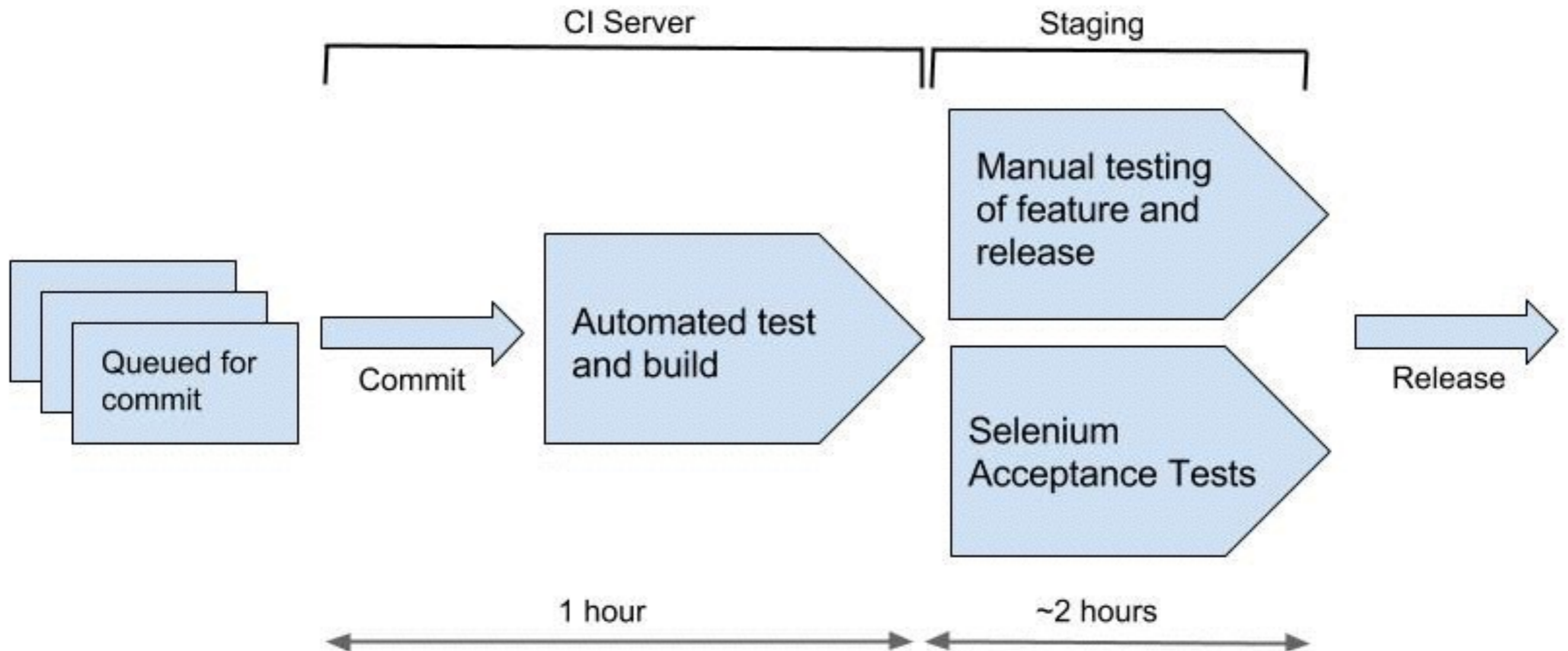
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# Address concerns

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- You need to have full team buy-in
- Take concerns seriously

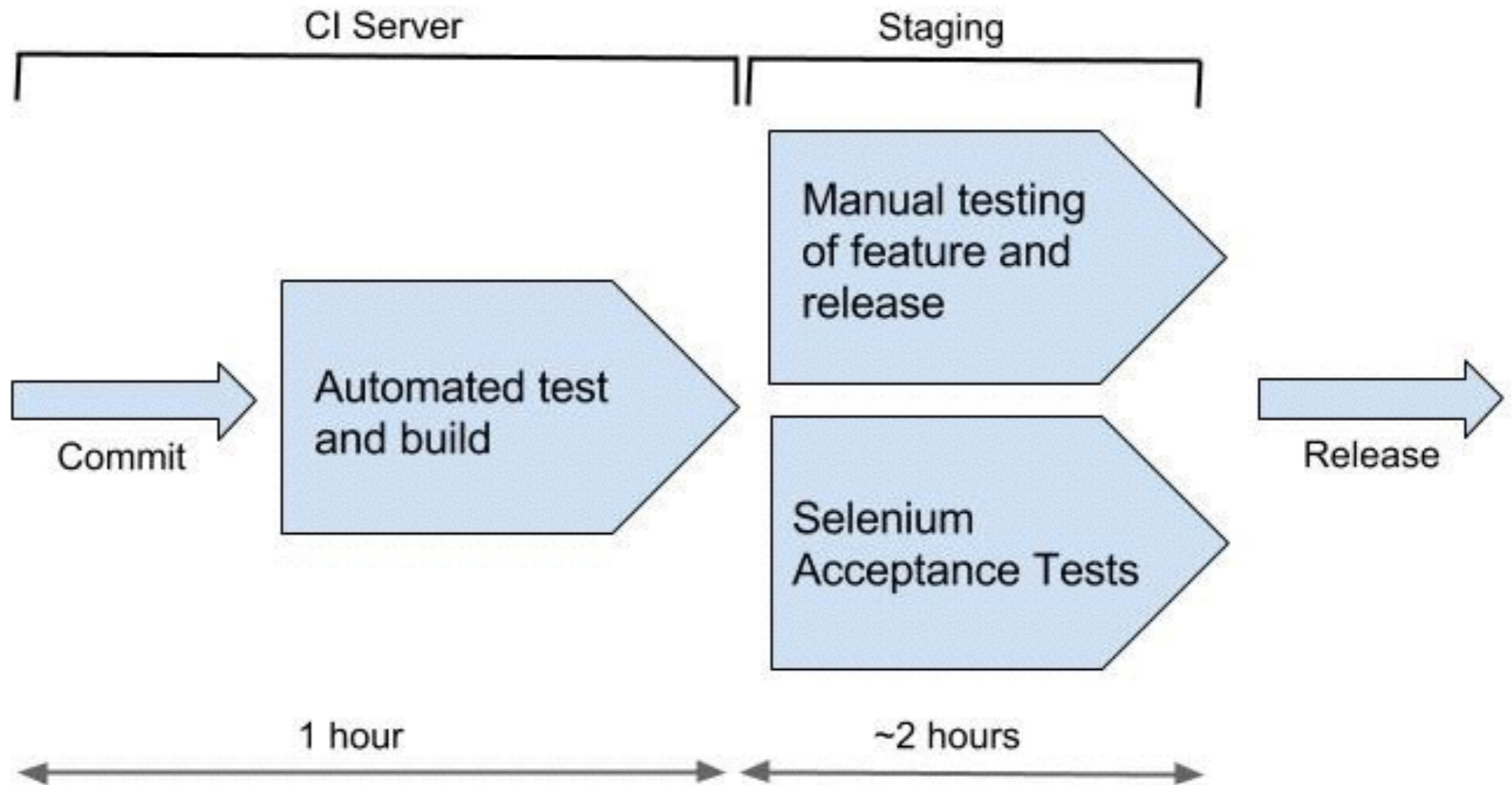
# Changing The Songkick Way





# Changing The Songkick Way

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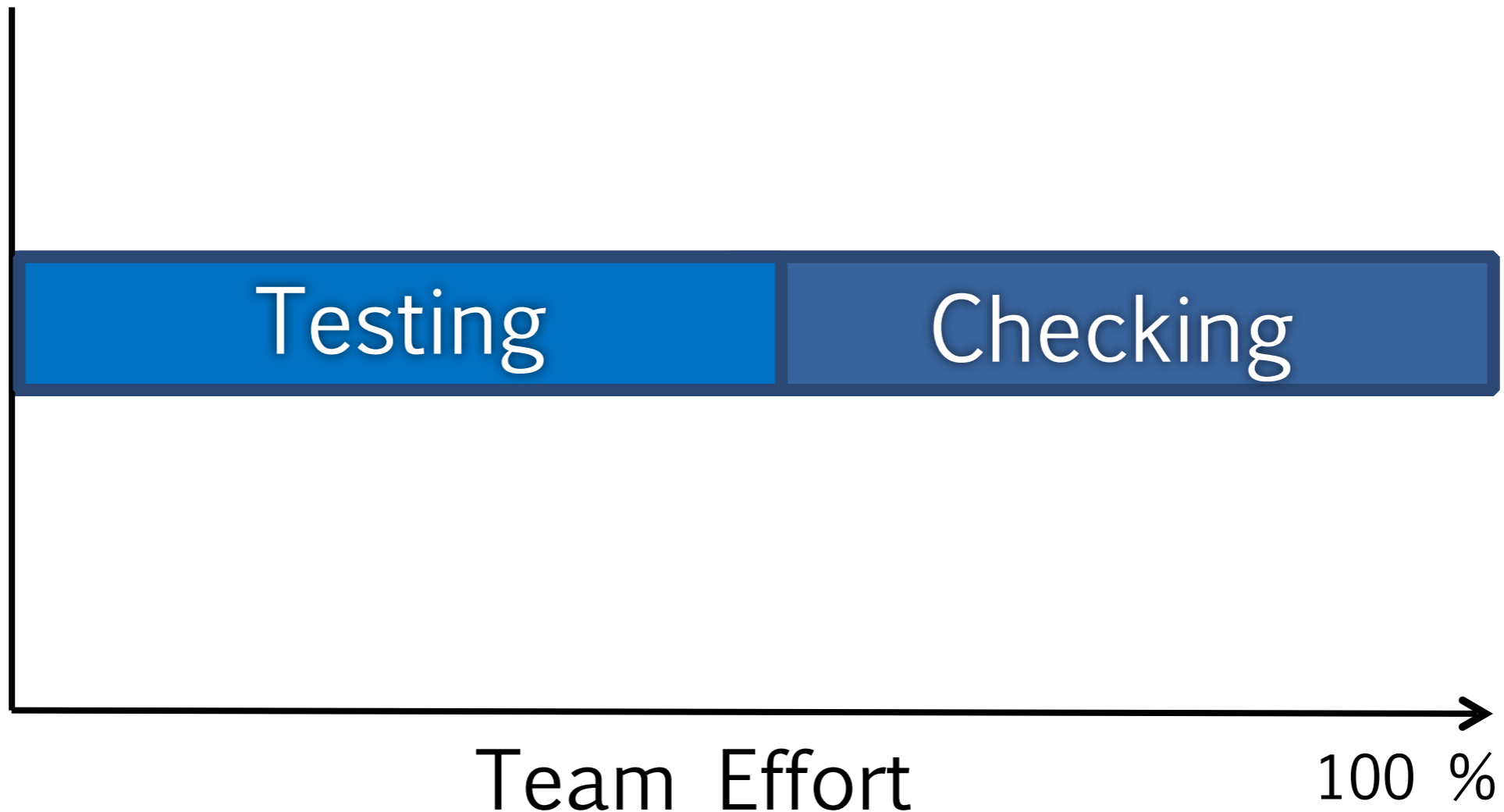


# Define a single test strategy

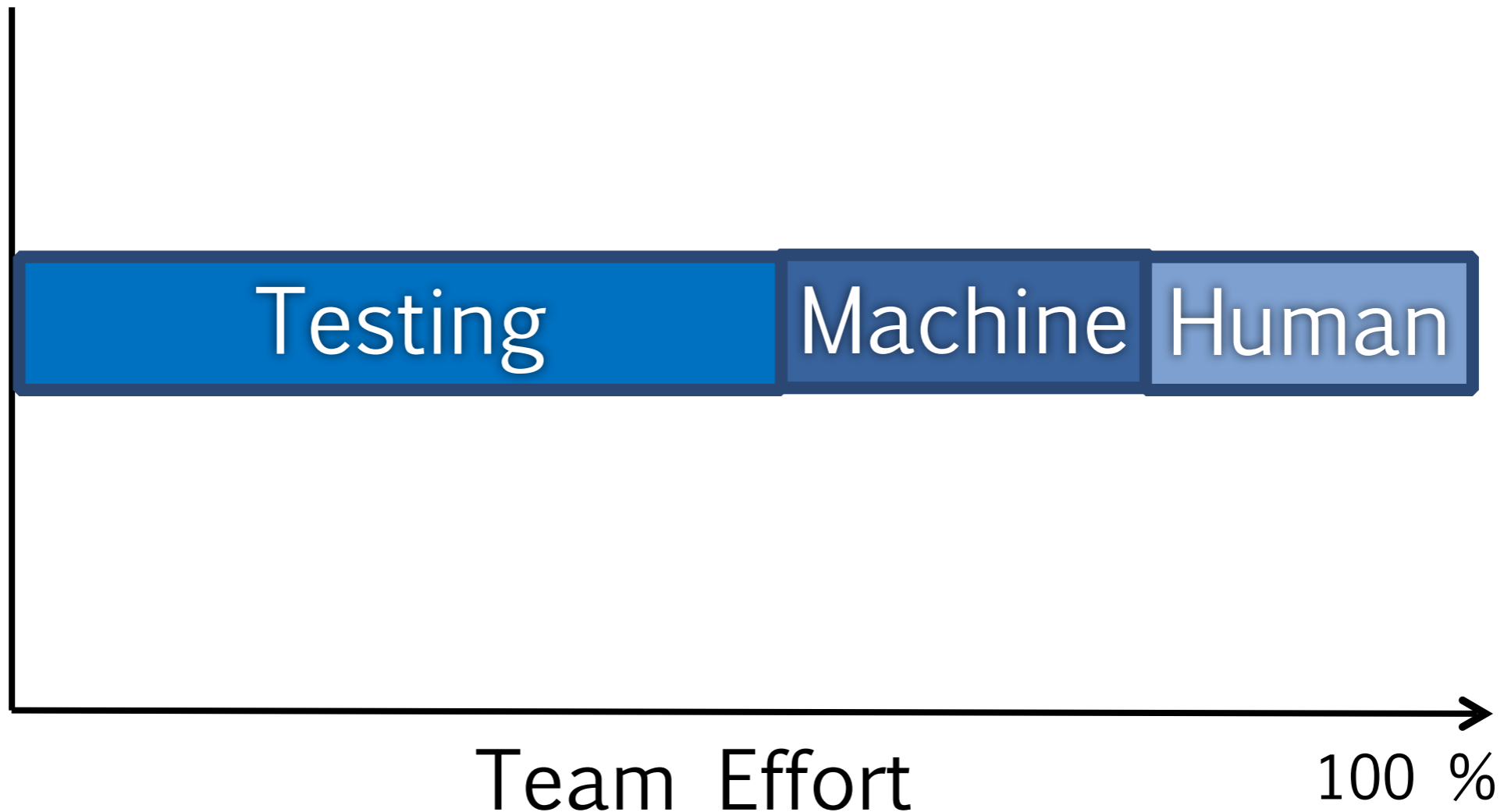
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- Testing is part of the development and release process
- Get the whole team to buy in
- Balance risks against time

# Agree on how to split the team effort



# Agree on how to split the team effort



# A new value

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- Development teams are responsible for their own testing

# Shared ownership of automated tests

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- Test at the right level
- Fast feedback
- Everyone understands what is being tested and why
- Everyone has a chance to influence the test strategy

**Execute the right tests  
at the right time**

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**Just build it right the  
first time**

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# Feature Kick-offs

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- What we're going to build, and why?
- Discuss complexity and risk
- Agree how to test and release the code

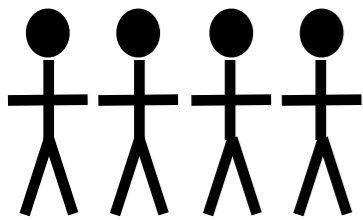
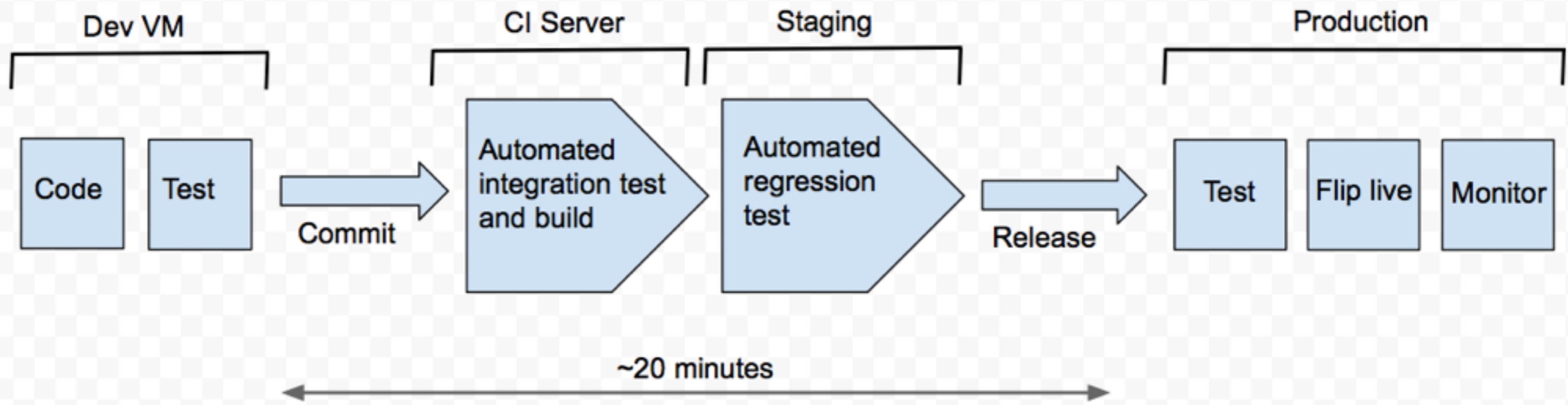
# Risk assess everything

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- What are we hoping to achieve with this change?
- Identify risks
- Agree on how to mitigate risks

# The Songkick Way

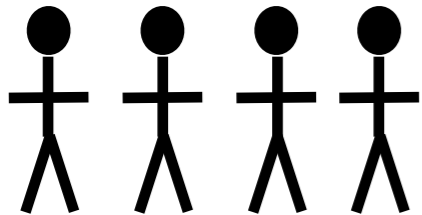
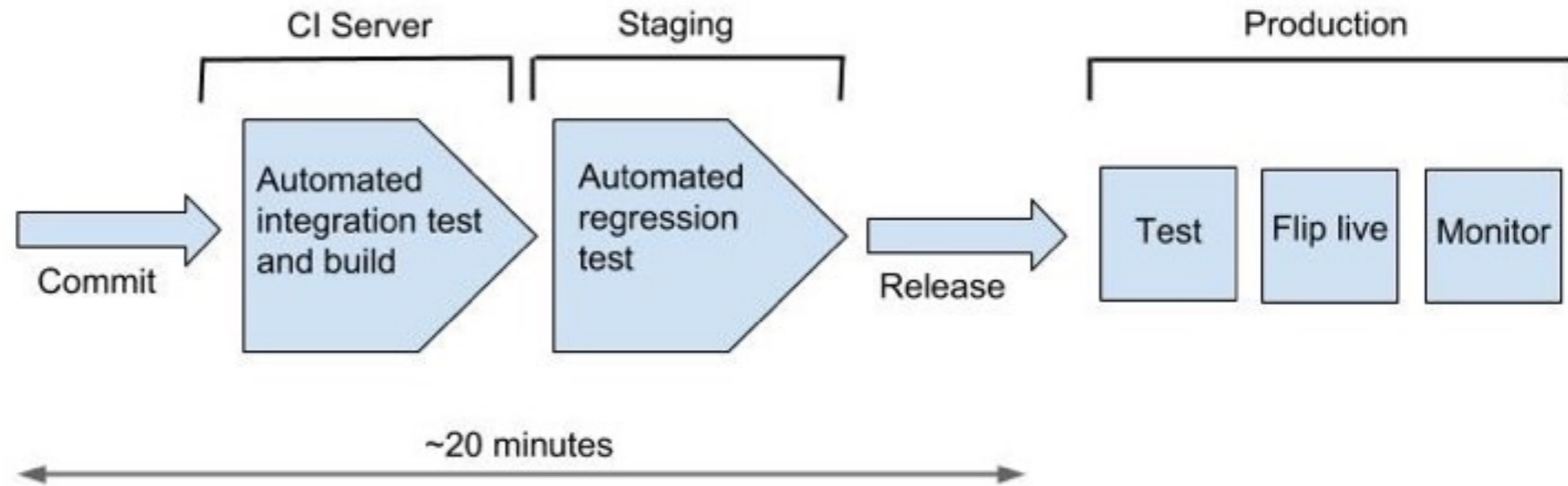
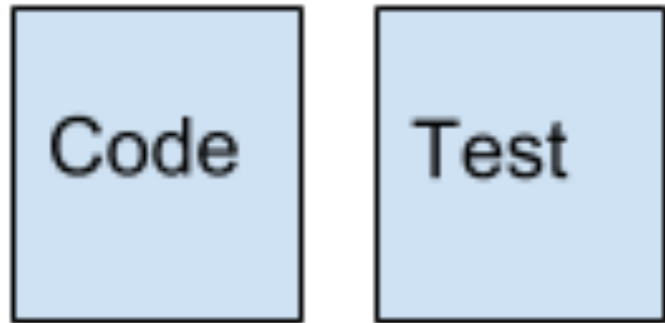
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# The Songkick Way

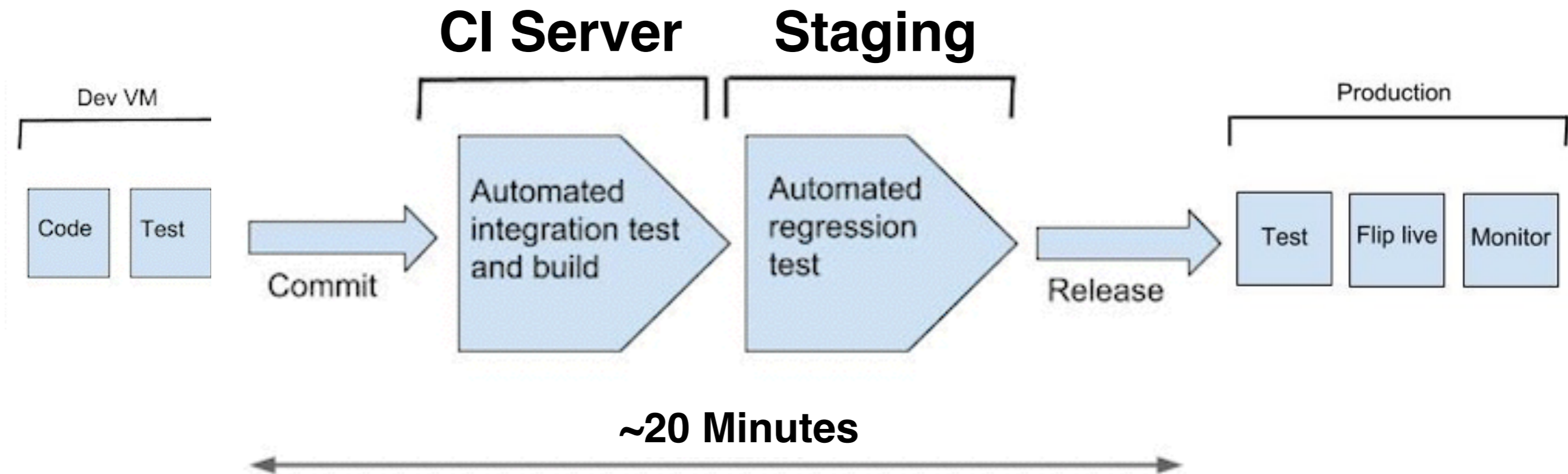
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## Dev VM



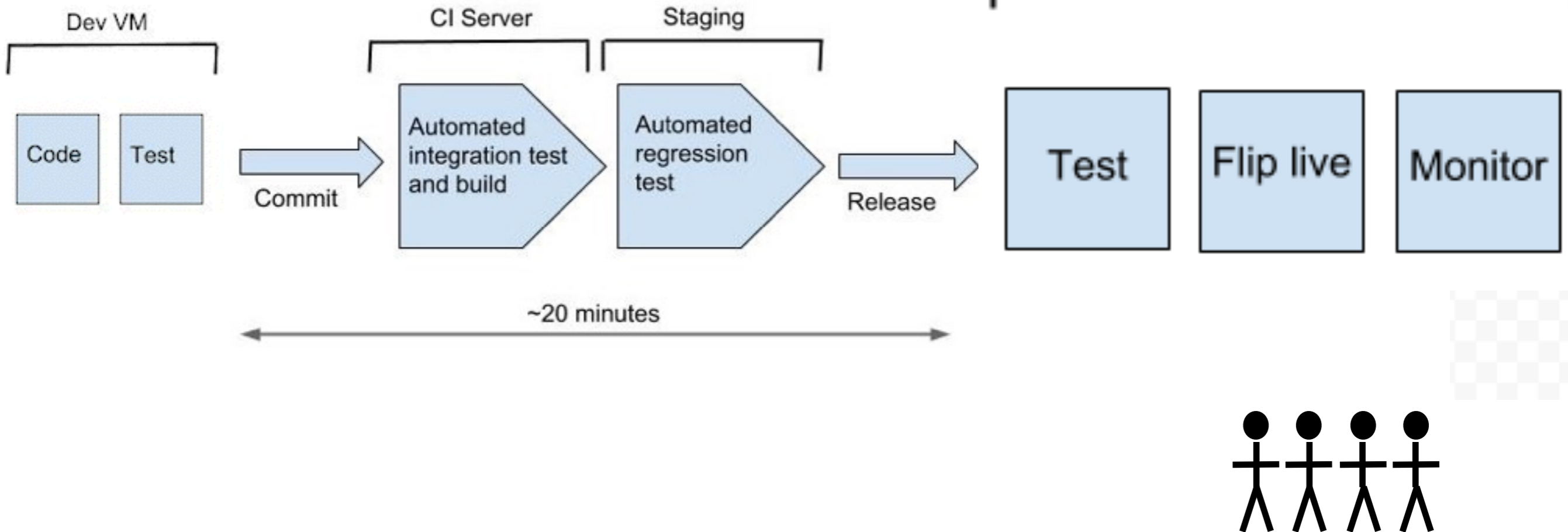
# The Songkick Way

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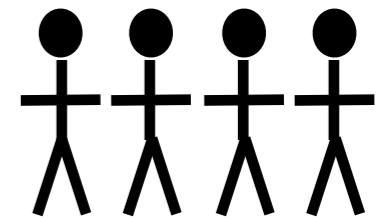
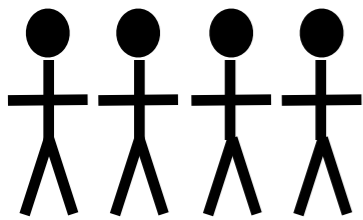
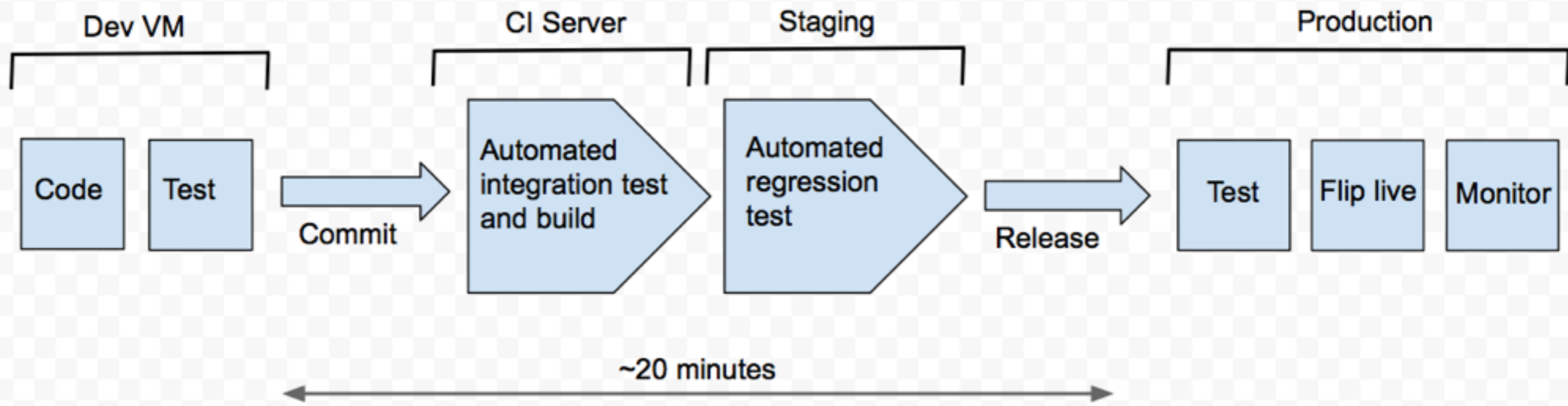
# The Songkick Way

## Production



# The Songkick Way

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**Releasing doesn't have to  
mean launching**

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# Trust the test results

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Never release if the build is red

Green builds must mean the tests have passed

		<a href="#">science-ui</a>	<a href="#">13 days</a>	12 sec
		<a href="#">service-stats</a>	<a href="#">5.9 mo</a> > <a href="#">5.9 mo</a>	1 min 18 sec
		<a href="#">skweb</a>	<a href="#">2.1 days</a> > <a href="#">3.1 days</a>	1 min 10 sec
		<a href="#">songkick-analytics-gem</a>	<a href="#">16 days</a>	49 sec
		<a href="#">songkick-core</a>	<a href="#">5.1 days</a> > <a href="#">5.9 mo</a>	5.8 sec

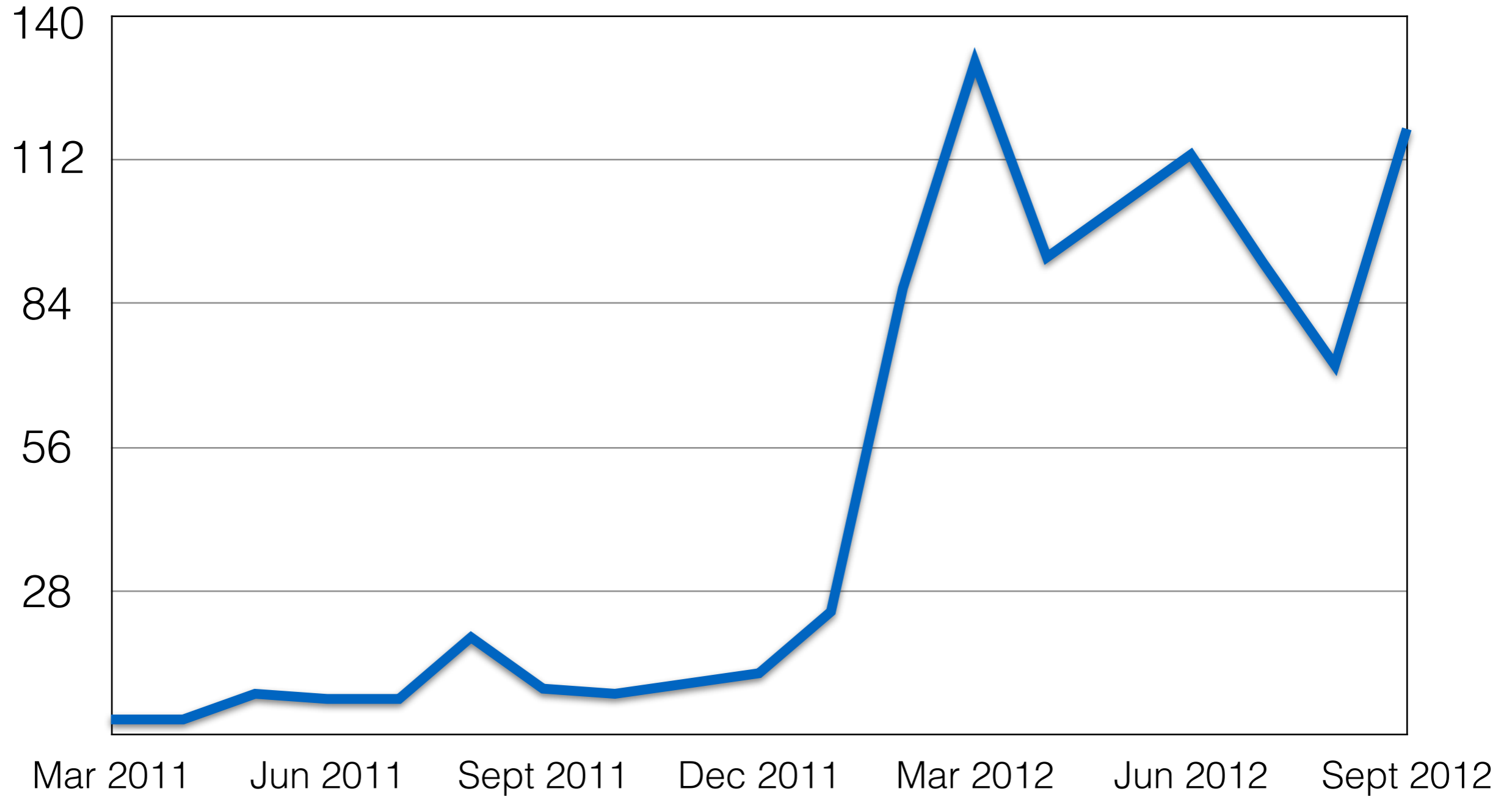
# Learn from your mistakes

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You can break anything once

- Songkick Maxim

# Releases



# But this ended up being about more than just releases...

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- Fast and maintained automated tests
- Bug fixes often take just minutes
- We've learnt how to evaluate and improve our process

# Make it work for you

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- Understand why you want to change
- Fix the biggest problem first. Then iterate
- Use problems to drive positive change
- Don't neglect the human aspect

# Thanks

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## Questions?

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