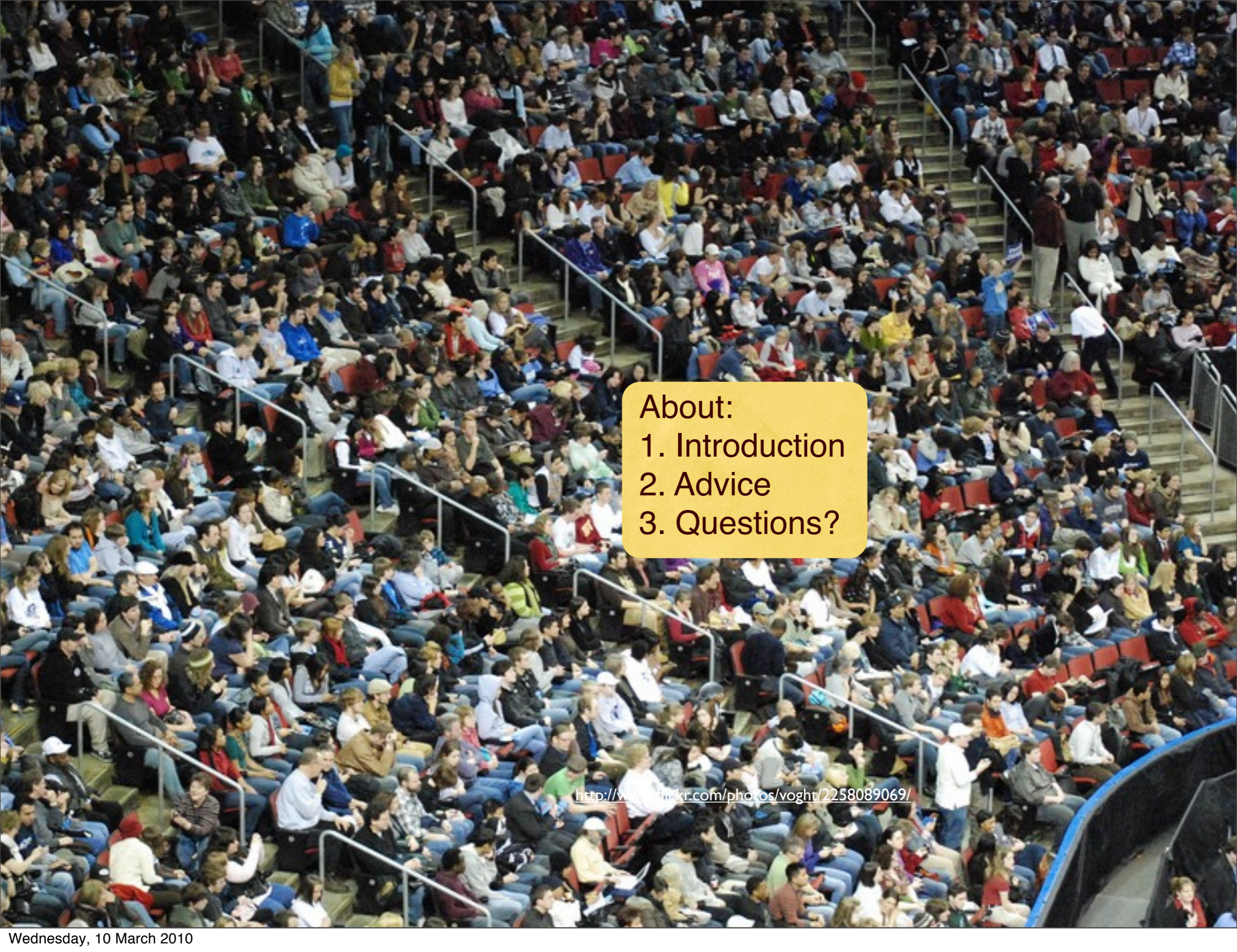


Silos are for farmers

Julian Simpson
The Build Doctor

<http://www.flickr.com/photos/eqqman/142532682/>

Visit
<http://bit.ly/devopsqcon>
for links and notes



About:
1. Introduction
2. Advice
3. Questions?

<http://www.flickr.com/photos/voght/2258089069/>



Me


Conflict

“Don't waste my time, buddy.
You're just a dogsbody sysadmin; I write the software and
you merely service it.
So just shut up with your petty concerns and do as I say,
OK?”

Taken from <http://serverfault.com/questions/16698/what-do-you-wish-developers-would-do-differently>

"The Fuckup Fairy is a developer who has only been on the project for 6 months or so ...
...This touched off The Pontificator.
The Pontificator is another developer ..."

Taken from alt.sysadmin.recovery



It shouldn't have to be like this

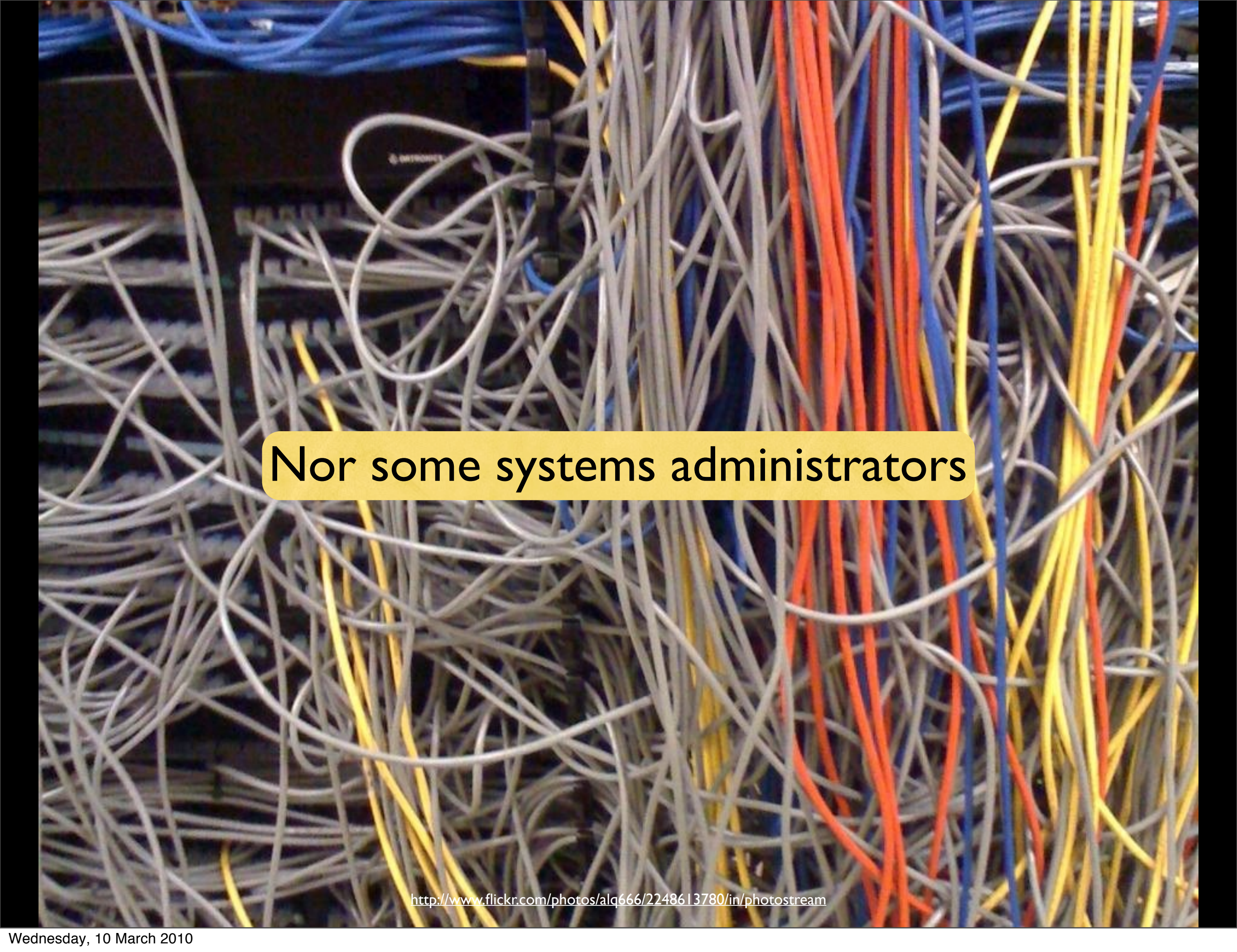
<http://www.flickr.com/photos/angells60640/3411660099/>

“That brings me to Dennis Ritchie. Our collaboration has been a thing of beauty” --Ken Thompson




Some developers aren't very good

<http://www.flickr.com/photos/schmilblick/2629823009/>



Nor some systems administrators

<http://www.flickr.com/photos/alq666/2248613780/in/photostream>

A photograph of an office cubicle hallway. The cubicles are arranged in a long, narrow aisle. Each cubicle has a grey partition wall and a black metal frame. A large green plant in a white pot sits on top of the cubicle wall in the foreground. The floor is covered in a patterned carpet. The ceiling has recessed lighting fixtures. A yellow text box is overlaid in the center of the image.

Some people want to hide

<http://www.flickr.com/photos/wbaiv/3236672907/>

Advice

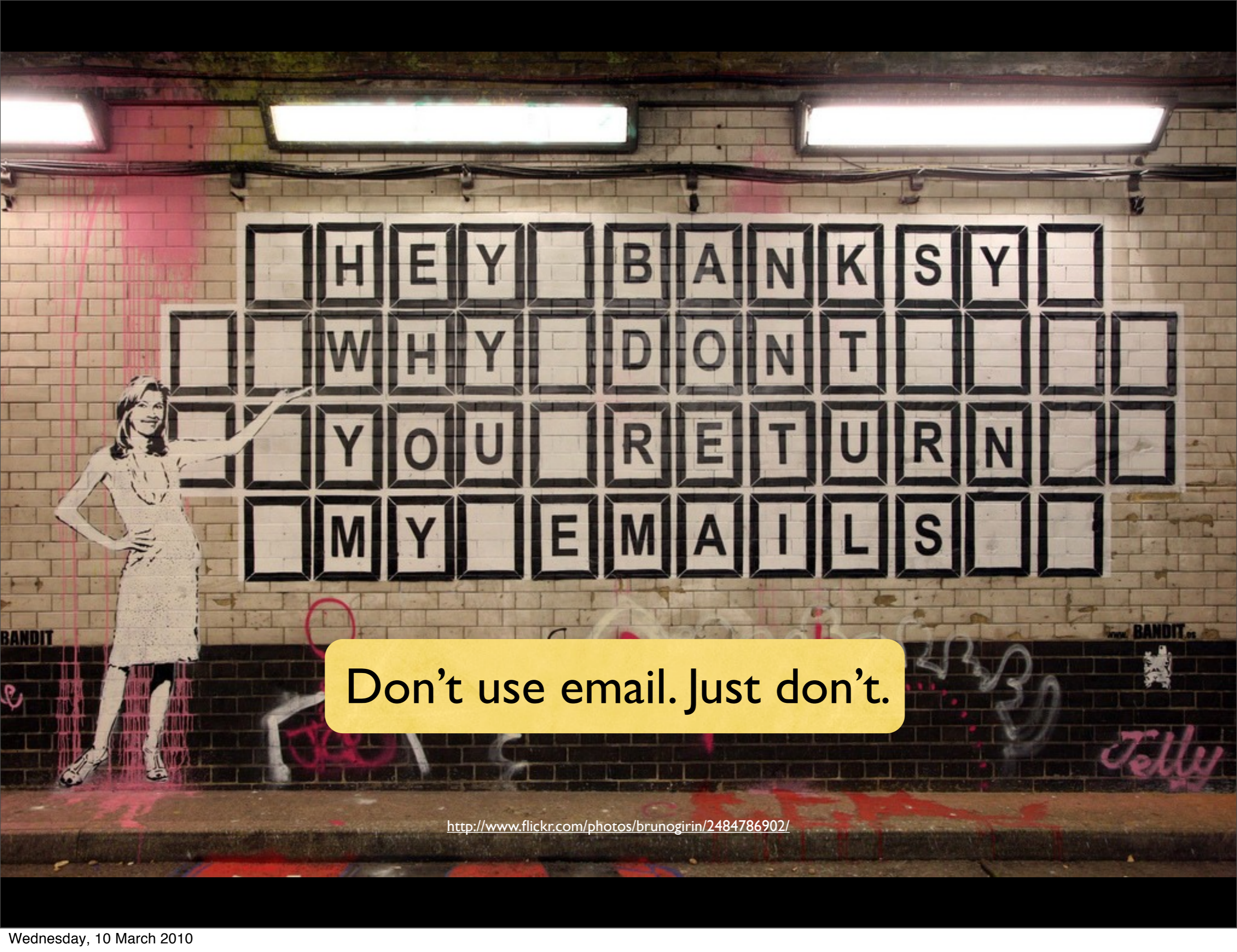
GO FOR IT

W DEVON AV
6400 N

MEL G. THILLENS AV

<http://www.flickr.com/photos/quinnanya/3457792408/>

People



	H	E	Y		B	A	N	K	S	Y	
		W	H	Y		D	O	N	T		
		Y	O	U		R	E	T	U	R	N
		M	Y		E	M	A	I	L	S	



Don't use email. Just don't.


<http://www.flickr.com/photos/brunogirin/2484786902/>

Respect everyone




Have lunch with the people on the other side of the wall

<http://www.flickr.com/photos/balakov/1614997917/>



Discuss your problems
with other groups.

<http://www.flickr.com/photos/clairity/154640125/>



Invite everyone to stand-ups ...

... and retrospectives

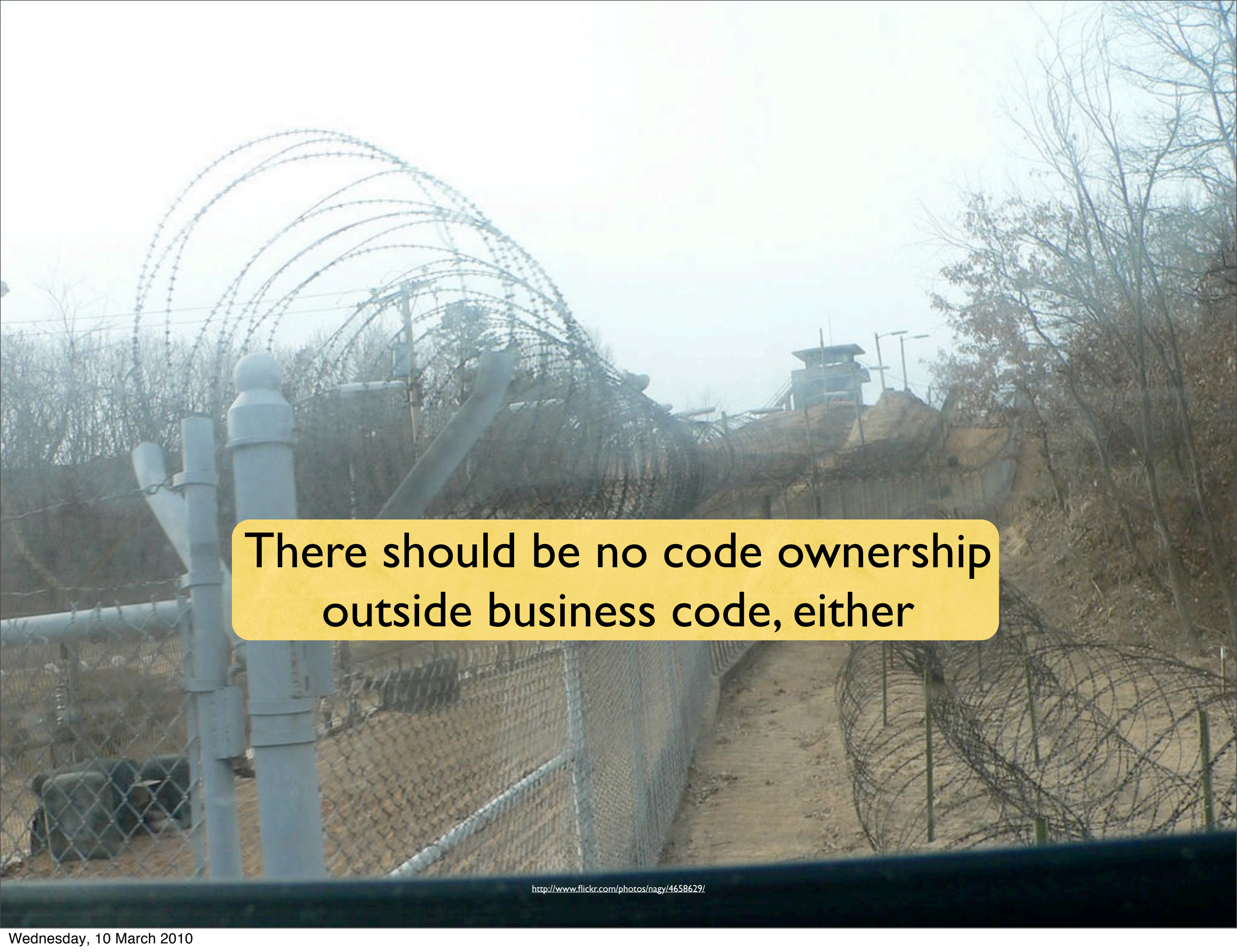
<http://www.flickr.com/photos/kimtar0/3393958979/>



Co-locate the sysadmins and developers

<http://www.flickr.com/photos/parap/4355237522/>

Process

A photograph of a high-security perimeter fence. The fence consists of several layers of barbed wire, with the top layers forming a series of arches. In the background, there is a watchtower or guard post on a raised platform. The scene is set in a dry, wooded area with bare trees. A yellow text box is overlaid on the center of the image.

**There should be no code ownership
outside business code, either**

<http://www.flickr.com/photos/nagy/4658629/>

Pair with your sysadmin

http://www.flickr.com/photos/adewale_oshineye/306143949/

It's done when the code is in production



<http://www.flickr.com/photos/marlyn84/2911863640/>

Tools

Teach your sysadmins to use version control

SUBVERSION
-X-

<http://www.flickr.com/photos/daquellamanera/70740020/>

Help your developers write performant code
Help developers with managing their dev environment

(like SSH public keys)

Run your deploy scripts via CI
Use continuous deployment



<http://www.flickr.com/photos/clofresh/3384877145/>



Use Puppet or Chef



Synthesize monitoring and CI



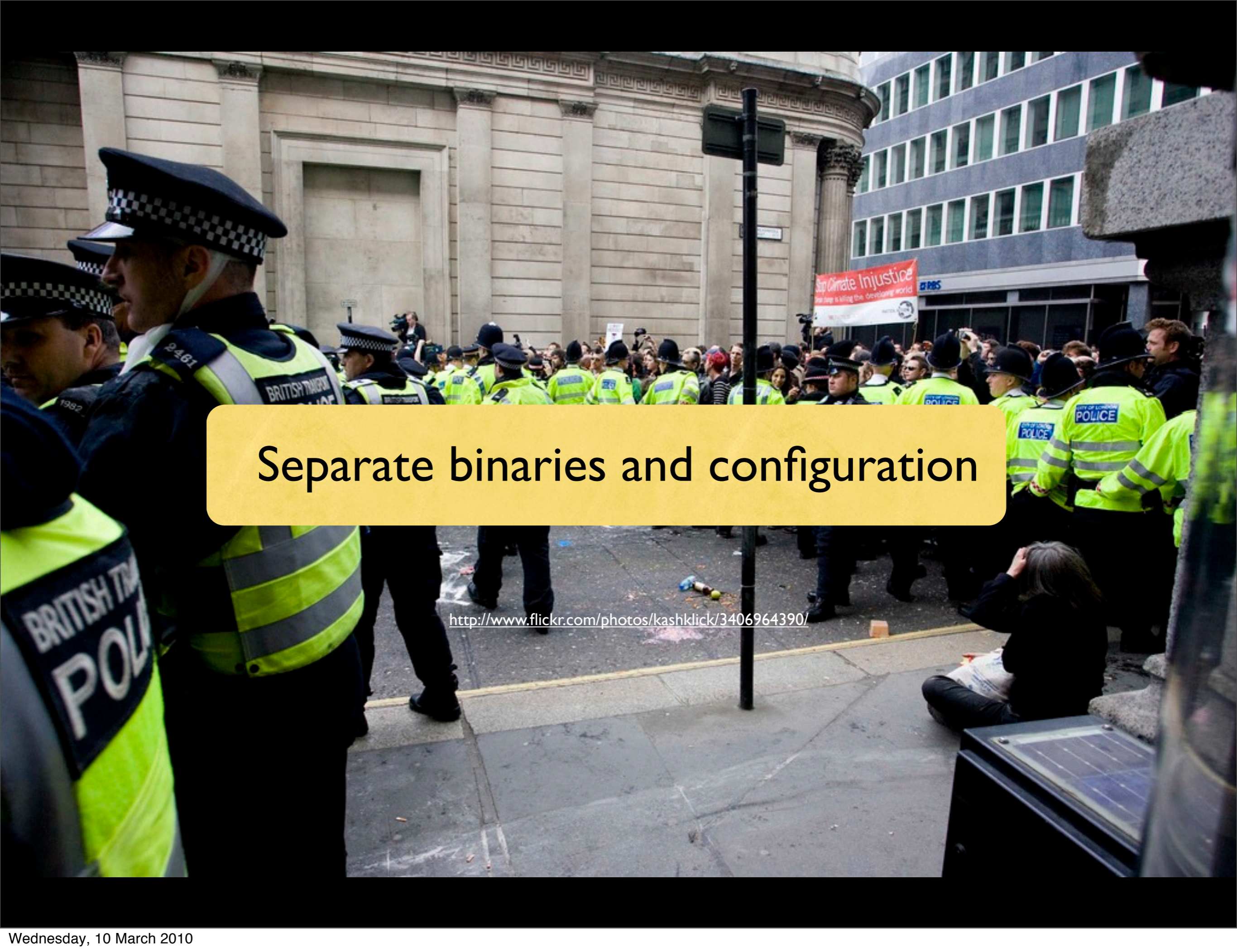
Test monitoring in dev environment

<http://www.flickr.com/photos/34997655@N02/3914526029/>



OS Packages are your friend

<http://www.flickr.com/photos/avlxyz/3014317179/>



Separate binaries and configuration

<http://www.flickr.com/photos/kashclick/3406964390/>



Harden systems immediately
and enable logging
for tuning security configuration

<http://www.flickr.com/photos/kdga/38116440>



Give developers access to production logs and data

<http://www.flickr.com/photos/misterdna/49841409/>

B Y T E B O O K S
**BUILD YOUR OWN
Z80 COMPUTER**

Design Guidelines
and
Application Notes

Re-create the developer environment often

by Steve Ciarcia

<http://www.flickr.com/photos/mrbill/159064314/>

A large, three-dimensional red question mark sculpture is the central focus, standing on a thin pole. Below it, a smaller circular sculpture with a white cloud-like pattern is visible. The background is a dimly lit room with purple and blue lighting, where several people are working at computers. A man in a dark jacket and cap is seen from the back, and another person is seated at a desk to the right.

Questions?

<http://www.flickr.com/photos/erikcharlton/2303709058/>

Thank you!

More at:

<http://build-doctor.com>

<http://twitter.com/builddoctor>