

# Our Responsibility to Defeat Mass Surveillance

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<http://erik.doernenburg.com>

@erikdoe

<http://thoughtworks.com/de>

**Martin Fowler**

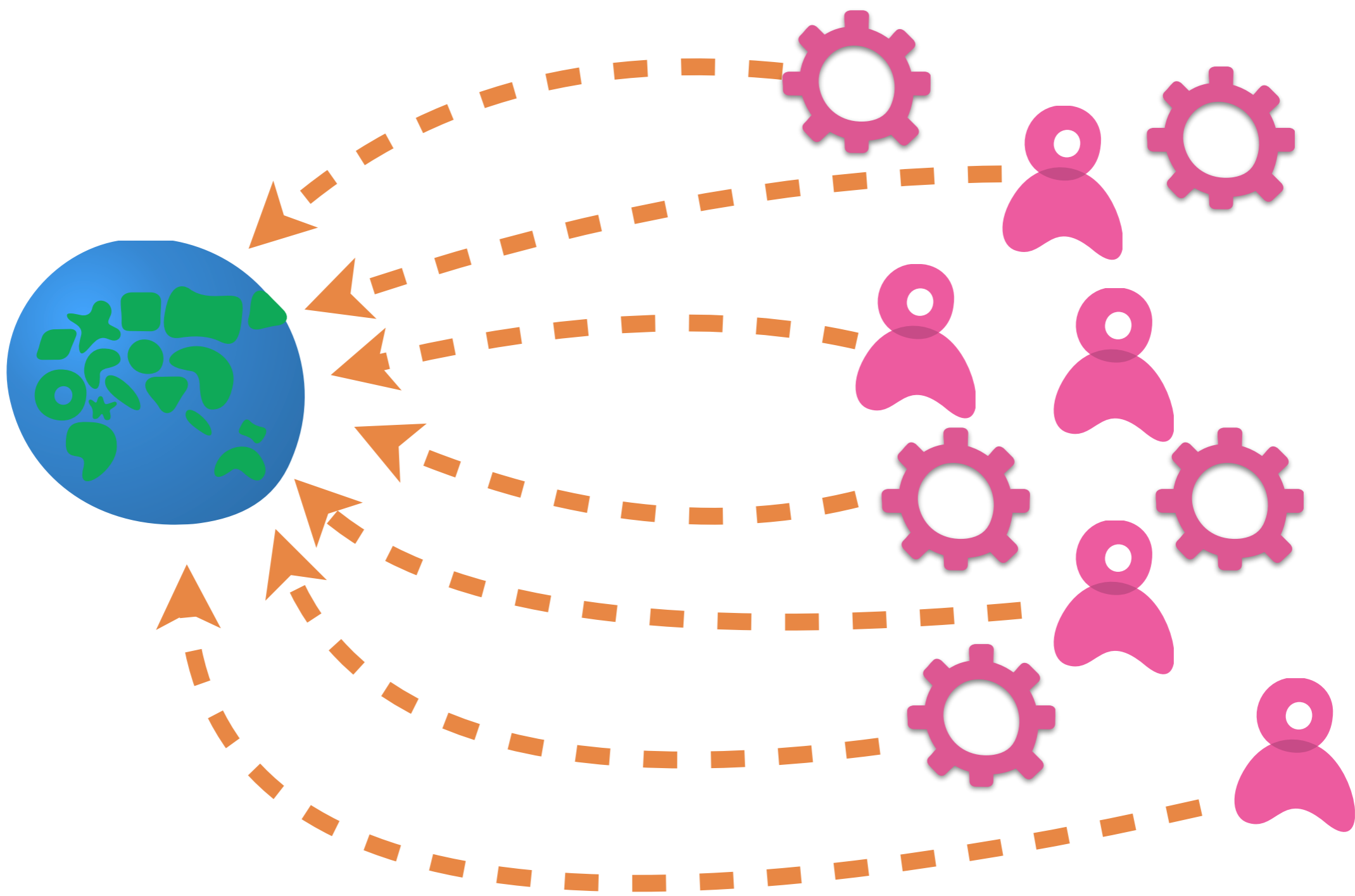
<http://martinfowler.com>

@martinfowler

<http://thoughtworks.com>

There was of course no way of knowing whether you were being watched at any given moment. How often, or on what system, the Thought Police plugged in on any individual wire was guesswork. It was even conceivable that they watched everybody all the time. But at any rate they could plug in your wire whenever they wanted to. You had to live—did live, from habit that became instinct—in the assumption that every sound you made was overheard, and, except in darkness, every movement scrutinised.

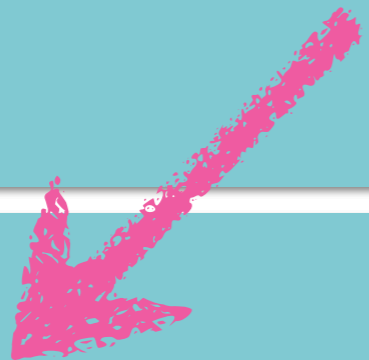
*~ George Orwell, 1984 (fifth paragraph)*



Strong Privacy

Enough?

\$  
\$  
Stop mostly everyone  
\$  
\$



Common Privacy

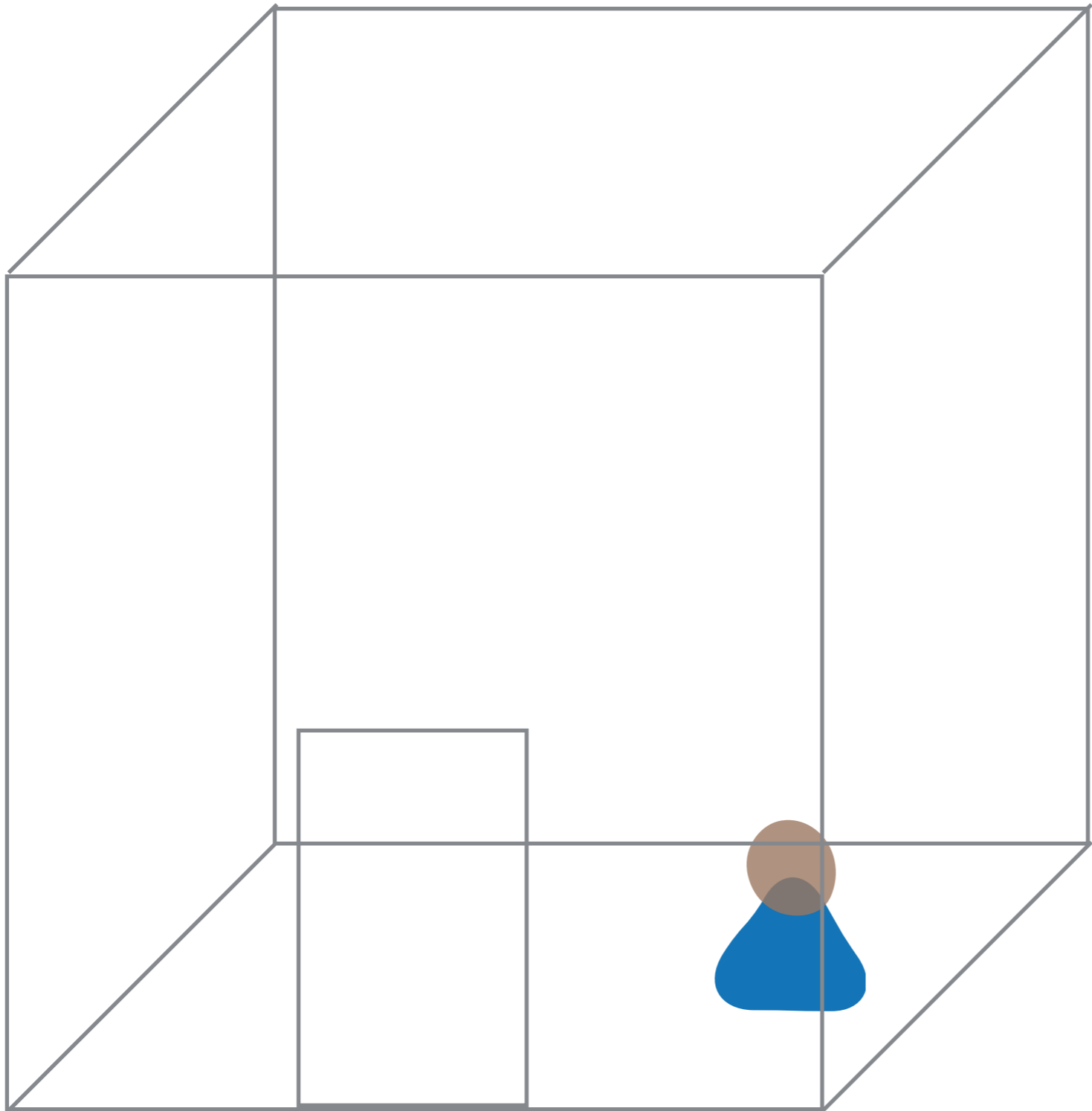
\$\$\$\$\$\$\$\$

Stop crooks,  
Government needs warrant

Basic Privacy

\$

Stop random strangers  
HTTPS, Encrypted WiFi

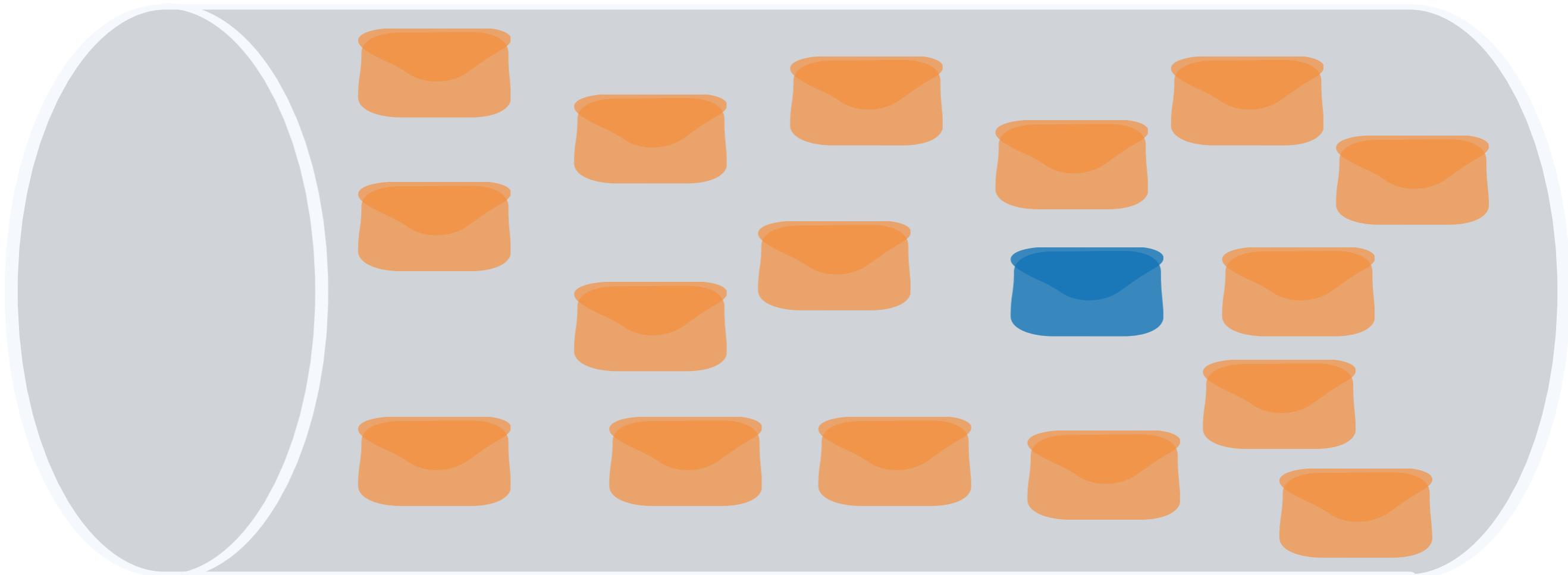
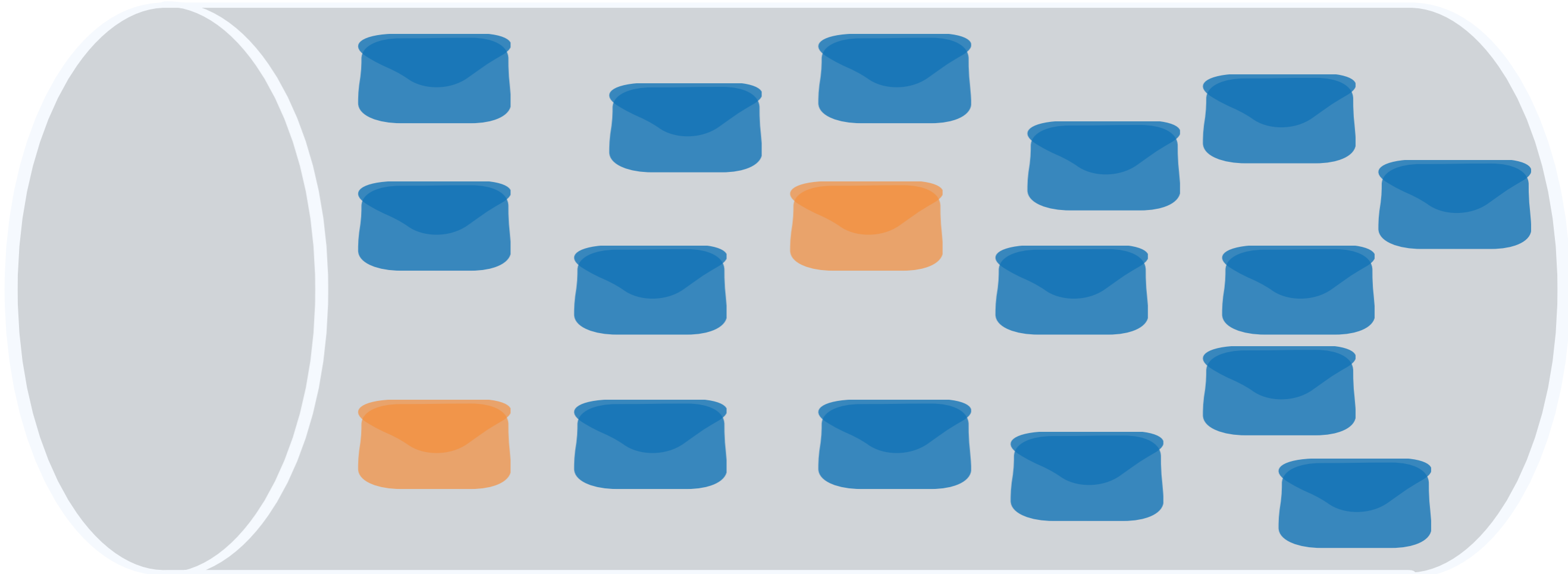


Do not  
disturb

“I have nothing to hide”

“ Nobody is interested in watching me”

<http://martinfowler.com/articles/bothersome-privacy.html>



**Free  
Society**

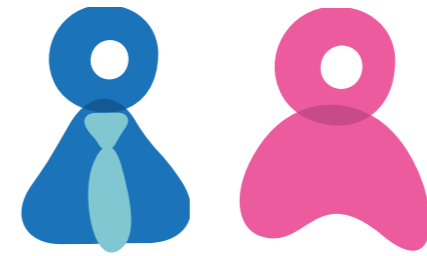


**Free  
Association and  
Communication**





society and  
the users



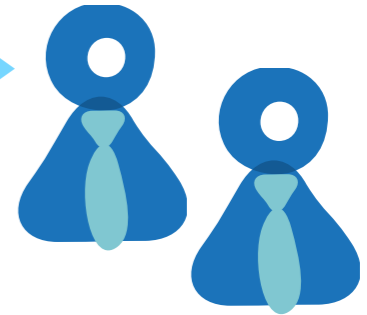
the creators  
of software

# - STEP 1 -

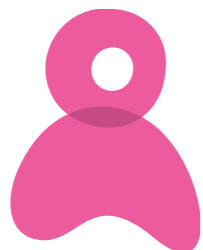


*Let's build an email solution...*

*Maximize shareholder value!*



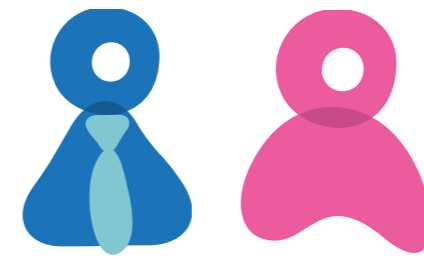
*We think we found a way to make money with an email solution...*



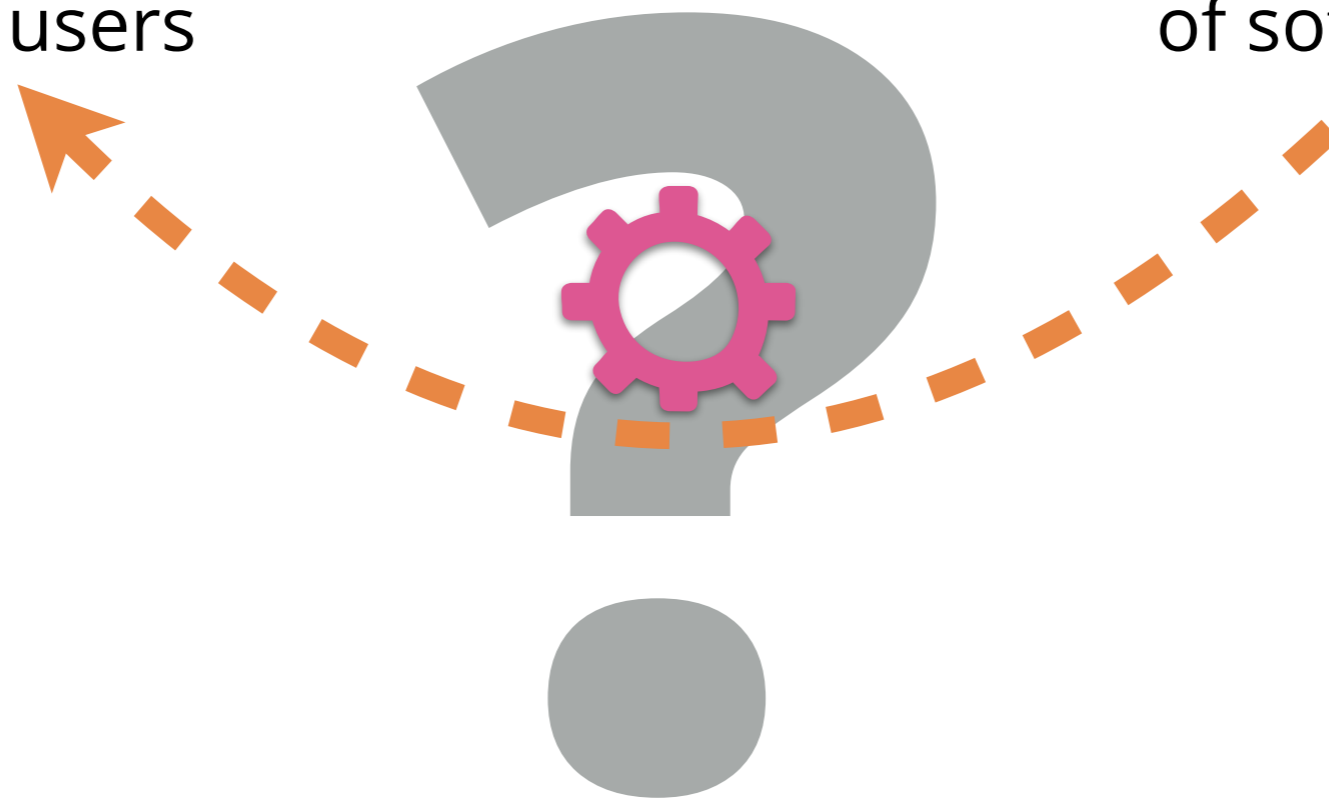
*Let's build an email solution...*



society and  
the users



the creators  
of software





*Someone else is going to do it...*

*This is not our target group*



*Free markets...*



*blah...  
blah...*



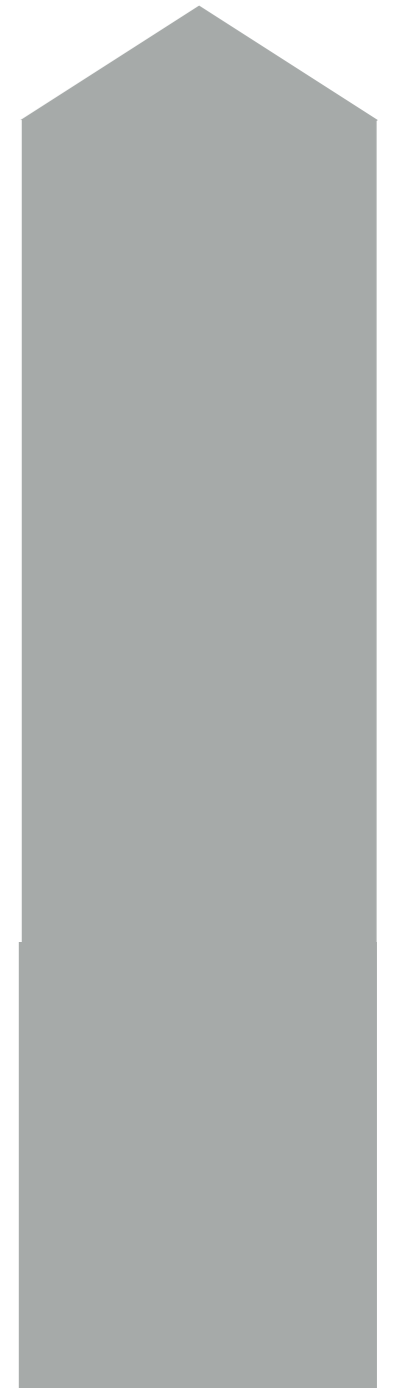
**collaboration**

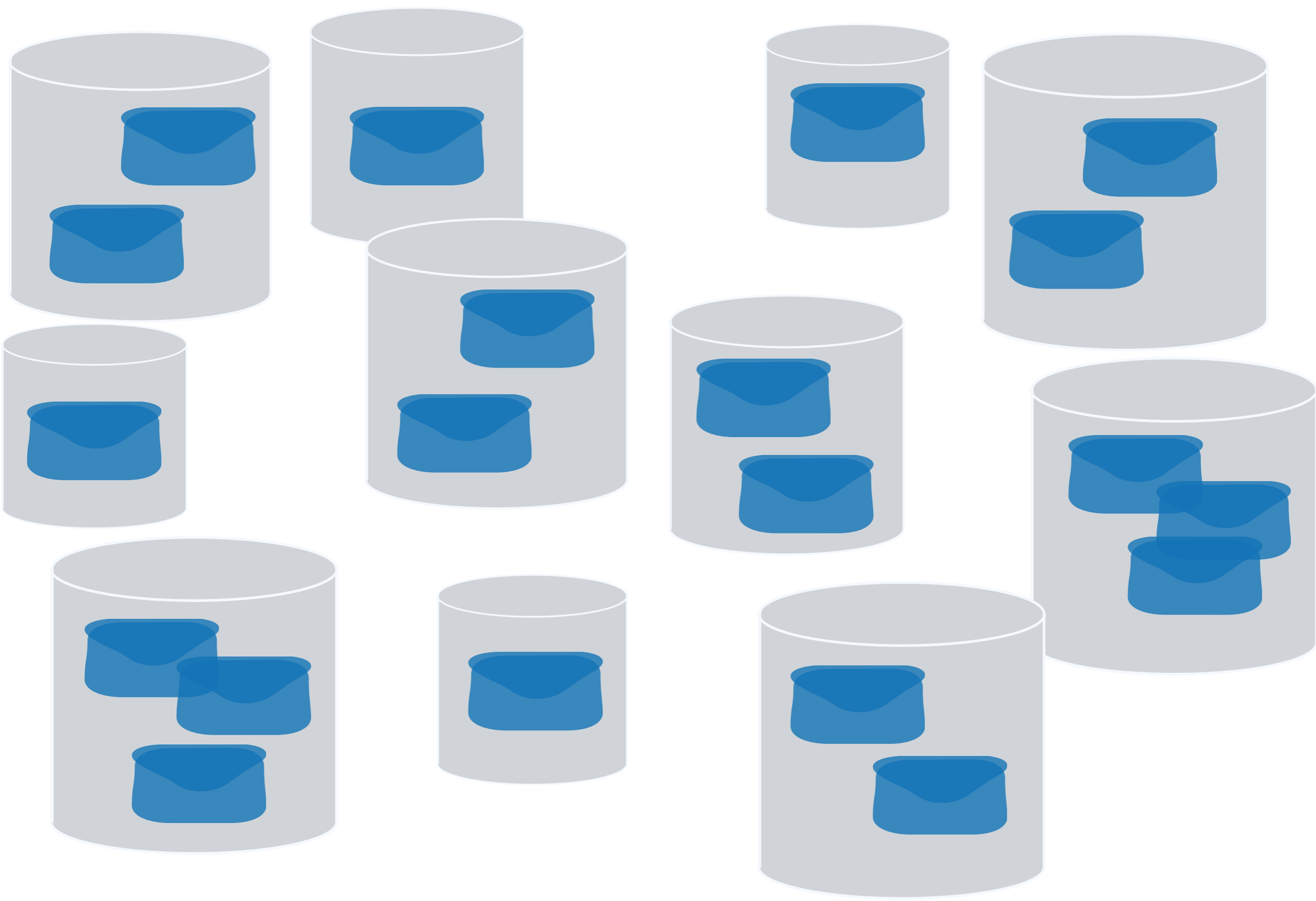
**Open Source Software**

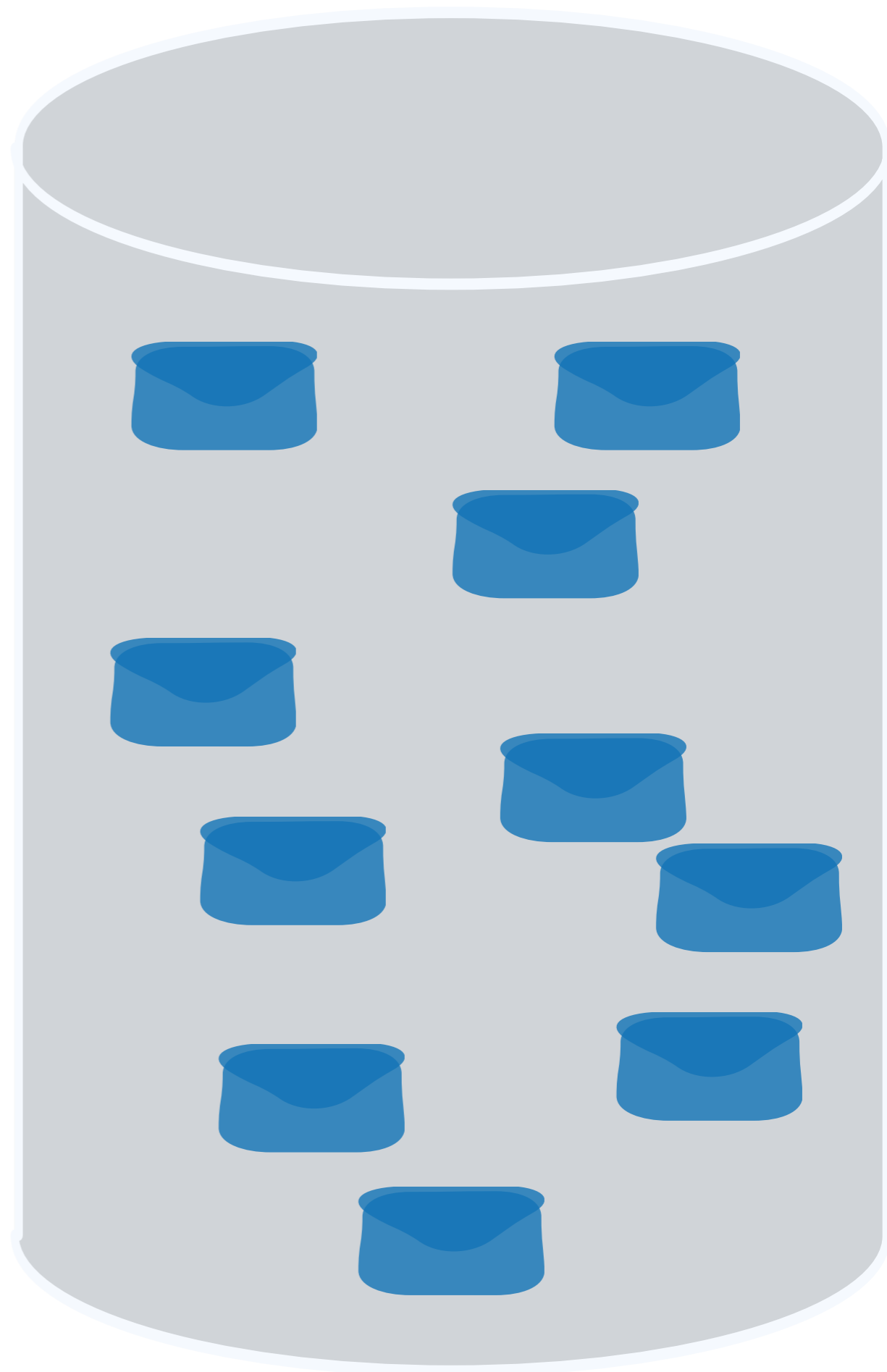
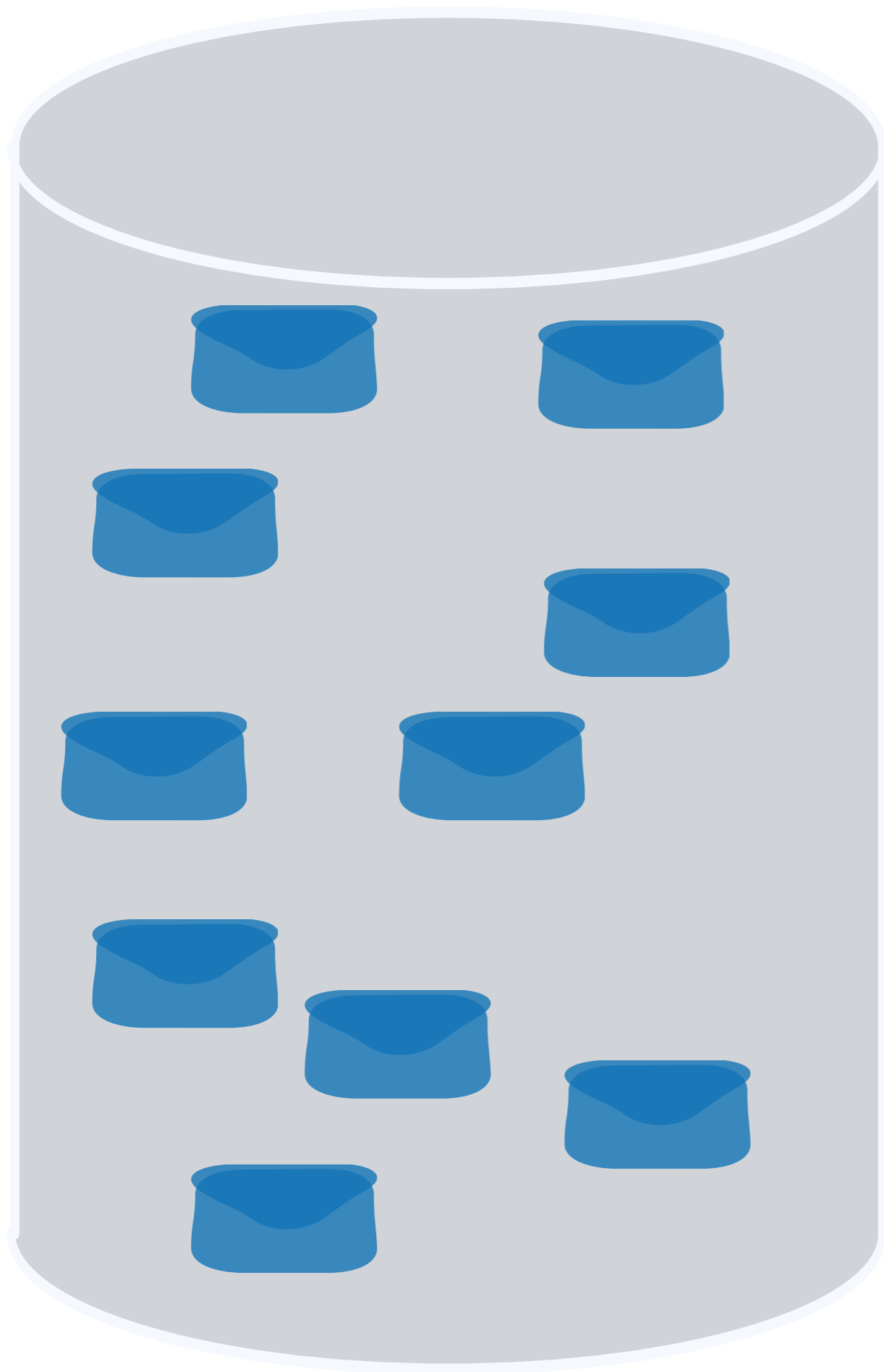
**Proprietary Software**

**Plug-ins**

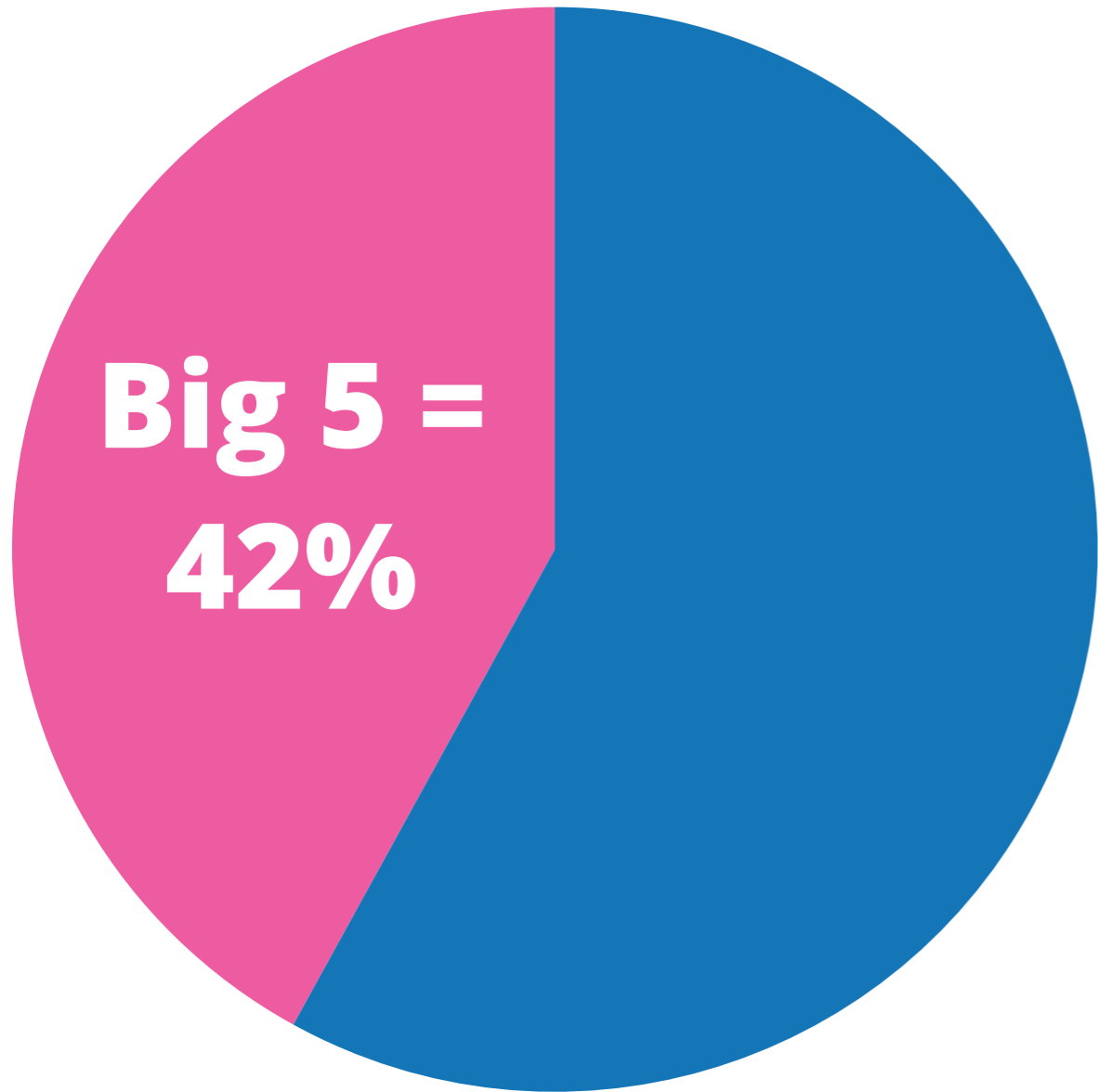
**SaaS / Webmail**



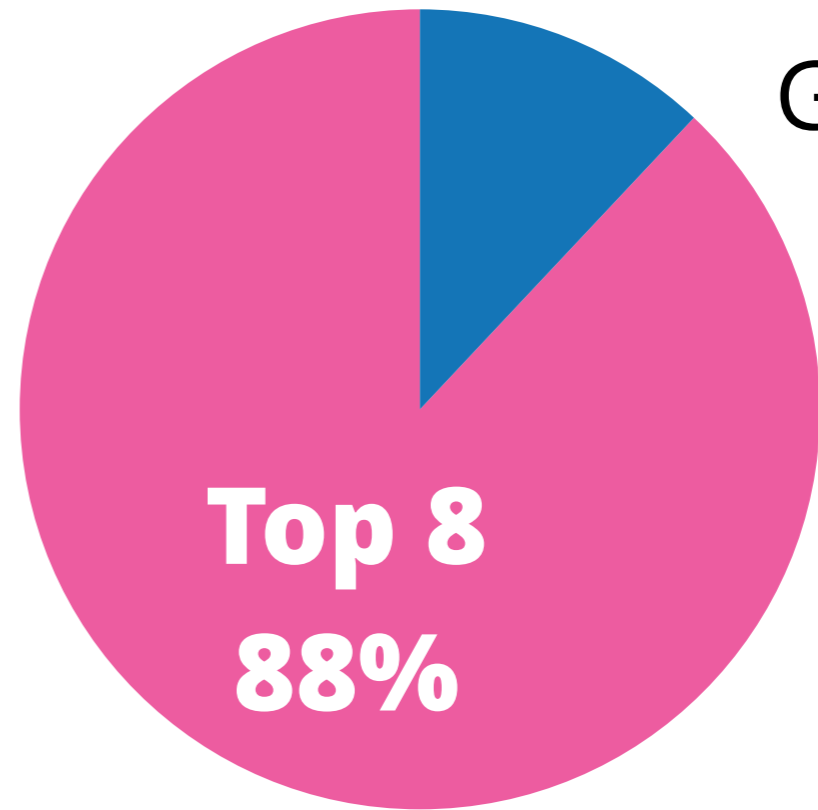




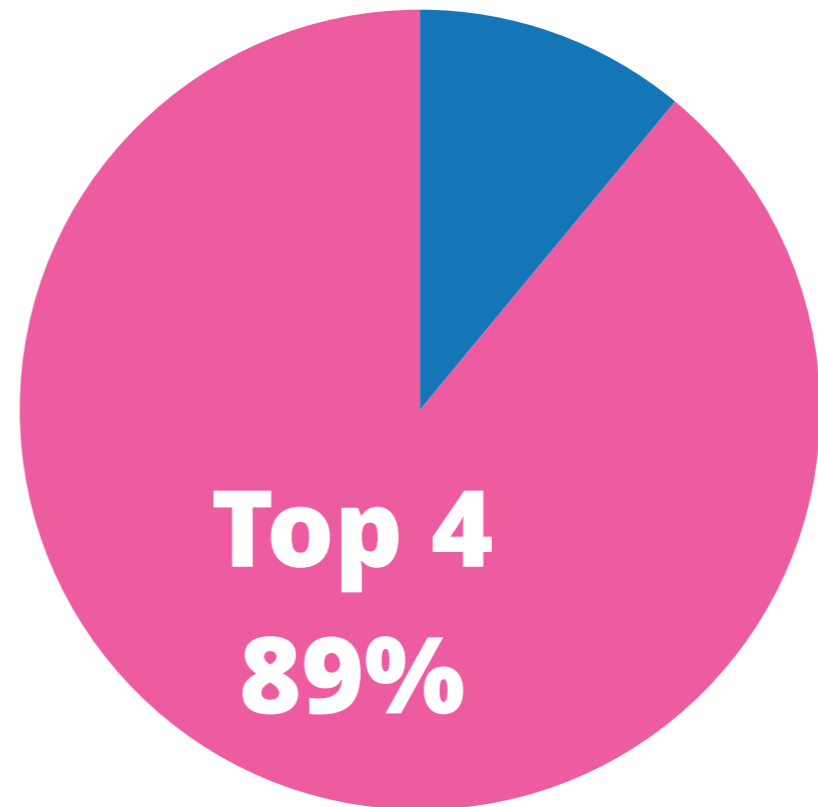




market share of the "big 5"  
email providers globally



Germany



USA

# Judge may hold Microsoft in contempt after refusal to hand over foreign data


Obama administration contends that company with operations in US must comply with warrants for data, even if stored abroad

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Rory Carroll in Los Angeles

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theguardian.com, Wednesday 3 September 2014 20.08 BST

 Jump to comments (100)



## Technology

Microsoft · Data protection · Email · Internet

## World news

Obama administration · California · Ireland · United States

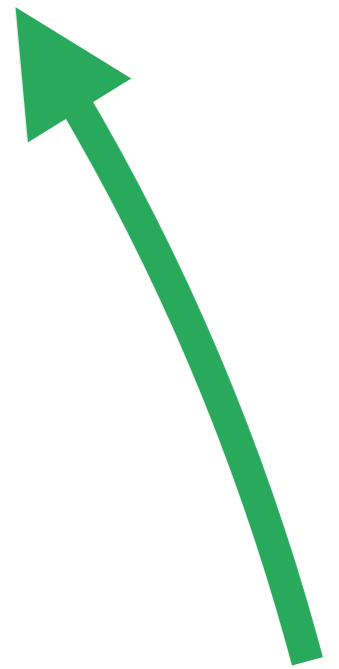
## More news



No matter the specific techniques involved, historically mass surveillance has had several constant attributes. Initially, it is always the country's dissidents and marginalised who bear the brunt of the surveillance, leading those who support the government or are merely apathetic to mistakenly believe they are immune. And history shows that the mere existence of a mass surveillance apparatus, regardless of how it is used, is in itself sufficient to stifle dissent. A citizenry that is aware of always being watched quickly becomes a compliant and fearful one.

~ *Glenn Greenwald, No Place to Hide*

opaque pricing





Jeremy Hammond

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SEP 25, 2014 | 09:53 GMT

### U.S.-Led Airstrikes Continue to Degrade Islamic State, Other Militant Groups

Airstrikes Sept. 24 targeted Islamic State's ability to generate funds and conduct offensives, although a shift in tactics has allowed the militants to mitigate some of the damage.

**GEOPOLITICAL DIARY »**

#### China Stays the Course as Housing Woes Intensify

Beijing continues to eschew nationwide measures to support the real estate sector, relying instead on local government interventions.

SEP 24, 2014 | 20:55 GMT

**GEOPOLITICAL WEEKLY »**

By George Friedman

#### Centripetal and Centrifugal Forces at Work in the Nation-State

SEP 23, 2014 | 03:00 GMT

**GLOBAL AFFAIRS »**

By Robert D. Kaplan

#### Nile Water Wars?

SEP 24, 2014 | 03:02 GMT

**EDITOR'S CHOICE**

#### Obama's Islamic State Strategy: Intel, Advisers and No Boots on the Ground

**SECURITY WEEKLY »**

#### The Jihadist Kidnapping Th

SEP 25, 2014 | 03:00 GMT

**From:** Anya Alfano

**To:** burton@stratfor.com, scott.stewart@stratfor.com,  
bart.mongoven@stratfor.com, burtonfb@att.blackberry.net

Interesting, thanks Fred.

Fred Burton wrote:

The FBI has a classified investigation on PETA operatives. I'll see what I can uncover.

Sent via BlackBerry by AT&T



Is your home in need of a little cache? This classy kitten will be happy to oblige.

READ MORE >

[http://wikileaks.org/gifiles/docs/52/5282628\\_re-public-policy-question-for-coca-cola-.html](http://wikileaks.org/gifiles/docs/52/5282628_re-public-policy-question-for-coca-cola-.html)

Filthy N.C. Dairy Farm Shuts Down Following PETA Investigation



Now



\$50  
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Sign Up

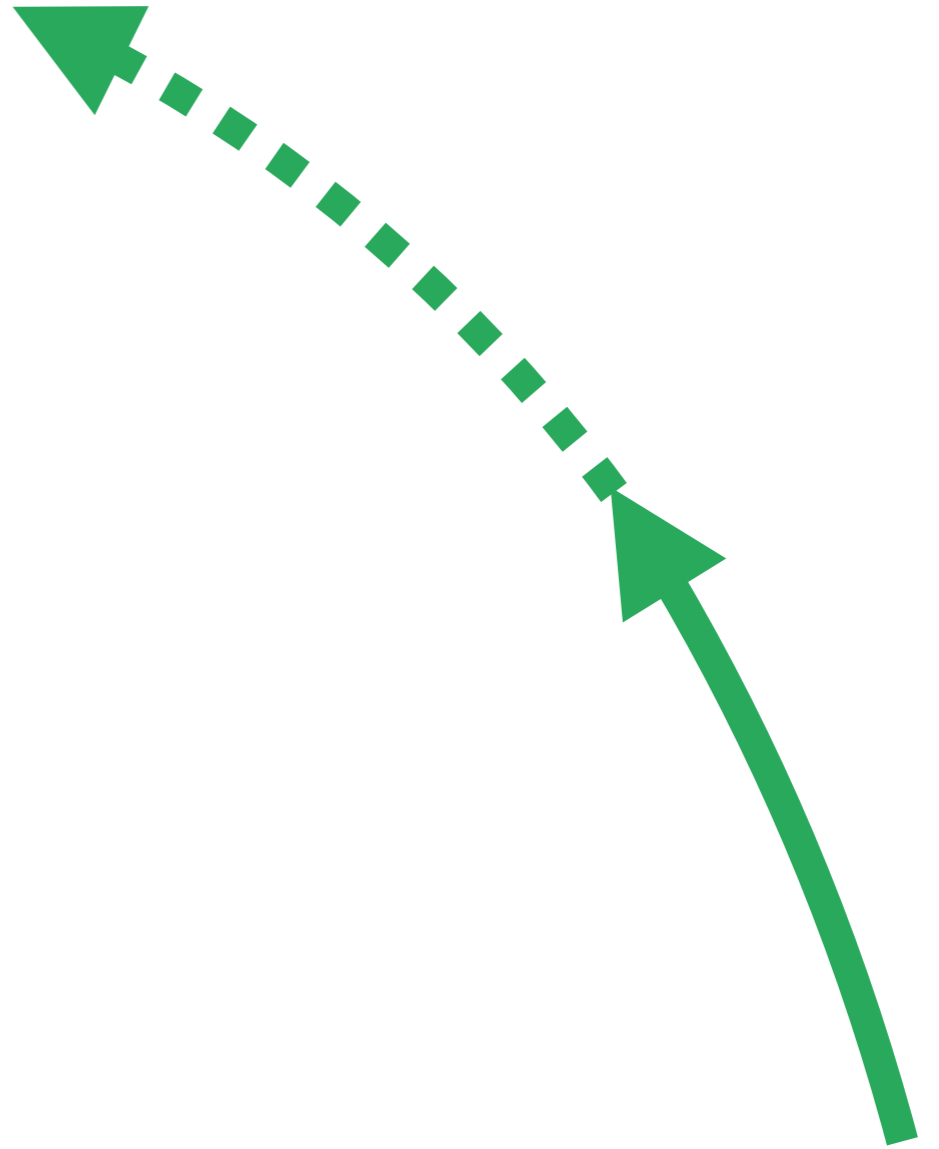
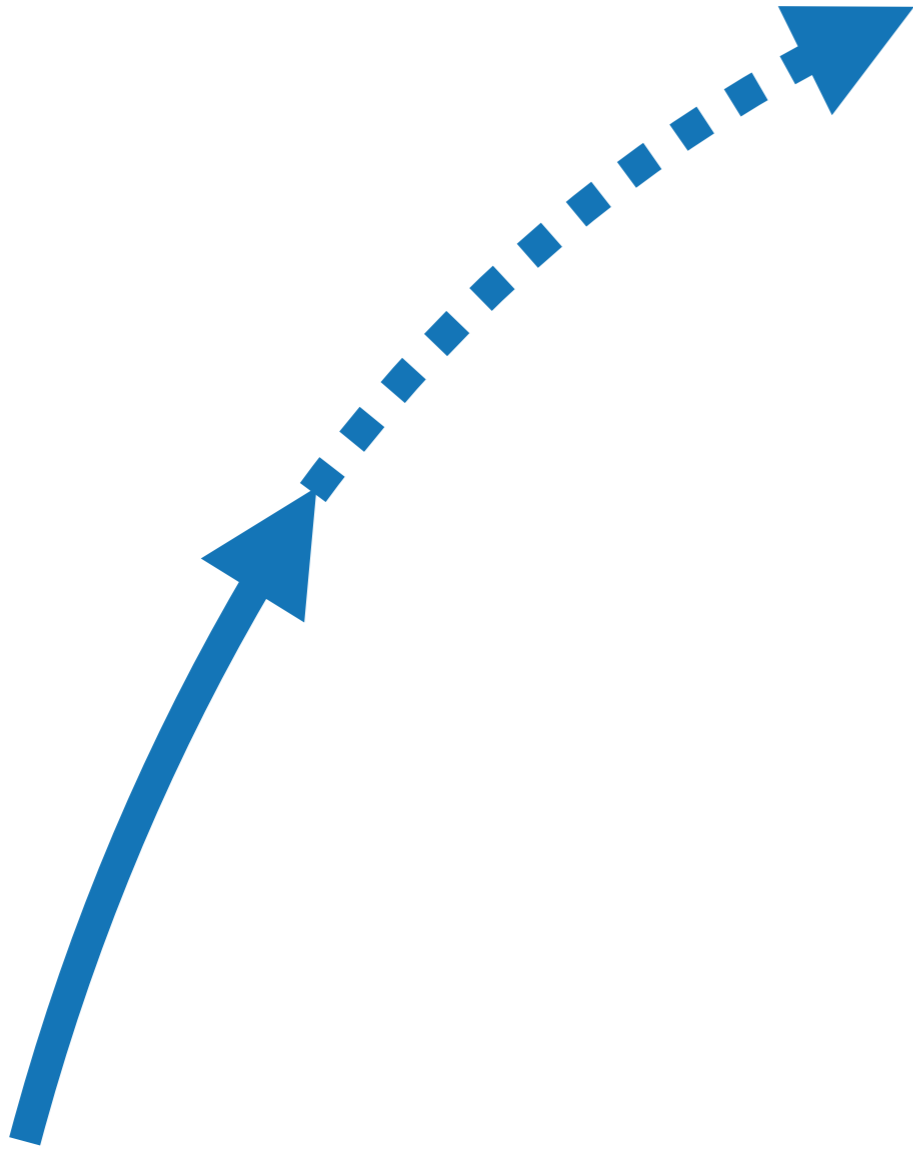
to see what your friends like.

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opaque pricing

seeping of protected data  
into the commercial sector



# PIXELATED

<https://github.com/pixelated-project>



# PRINCIPLES FOR PIXELATED

## We aim for mass adoption

Although we care about individuals that are targeted and need special protection, we can't do enough to help them directly (yet).

## We write Open Source Software

And will endeavour to make sure the code remain open, free and libre.

## We deliver a software product

And will leave to others to provide services based on it.

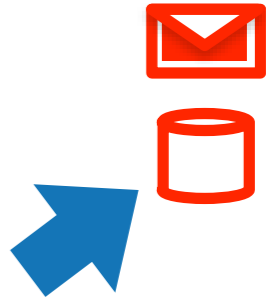
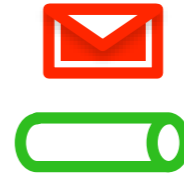
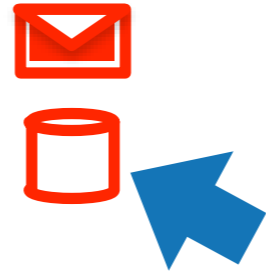
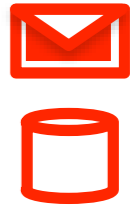
## We work in the context of the *broken internet*

Accepting that some of its infrastructure is fundamentally flawed.

**crypto**

**UX**

**+ license**



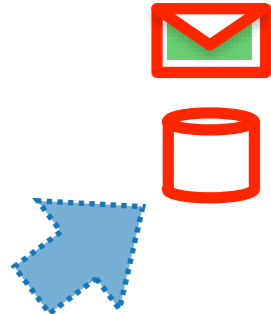
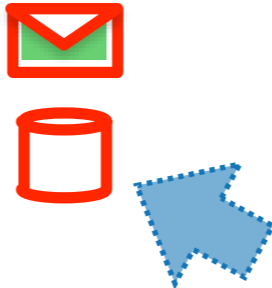
**Sender's  
desktop/laptop  
(with app)**

*sending mail via SMTP/TLS*

**Sender's mail  
provider**

*sending mail with SMTP/TLS*

**Recipient's mail  
provider**



Return-Path: <azul@blue.net>  
Delivered-To: lalala-erik@green.org  
Received: (qmail 15178 invoked from network); 26 Feb 2014 20:21:02 -00  
Received: from unknown (HELO mx1.blue.net) (123.456.123.456)  
by host.green.org with SMTP; 26 Feb 2014 20:21:02 -0000  
Received: from somehost.blue.net (somehost-c.blue.net [10.0.1.75])  
(using TLSv1 with cipher DHE-RSA-AES256-SHA (256/256 bits))  
(Client CN "\*.blue.net", Issuer "Gandi Standard SSL CA" (not verifie  
by mx1.blue.net (Postfix) with ESMTPS id F2B9F514C9  
for <erik@green.org>; Wed, 26 Feb 2014 12:20:51 -0800 (PST)  
Received: from [127.0.0.1] (localhost [127.0.0.1])  
(Authenticated sender: azul@somehost.blue.net)  
with ESMTPSA id BF16616F  
Message-ID: <530E4C95.80700009@blue.net>  
Date: Wed, 26 Feb 2014 21:20:37 +0100  
From: azul <azul@blue.net>  
User-Agent: Mozilla/5.0 (X11; Linux x86\_64; rv:24.0) Gecko/20100101  
Thunderbird/24.3.0  
MIME-Version: 1.0  
To: erik@green.org  
Subject: Meeting next week in Berlin  
X-Enigmail-Version: 1.5.2  
Content-Type: multipart/encrypted;  
protocol="application/pgp-encrypted";  
boundary="d5JFglPwD2tqiMaWvFgKk5Cs3F1PdmJiR"  
X-Virus-Scanned: clamav-milter 0.97.8 at mx1  
X-Virus-Status: Clean

This is an OpenPGP/MIME encrypted message (RFC 4880 and 3156)

--d5JFglPwD2tqiMaWvFgKk5Cs3F1PdmJiR

Content-Type: application/pgp-encrypted

Content-Description: PGP/MIME version identification

Version: 1

--d5JFglPwD2tqiMaWvFgKk5Cs3F1PdmJiR

Content-Type: application/octet-stream; name="encrypted.asc"

Content-Description: OpenPGP encrypted message

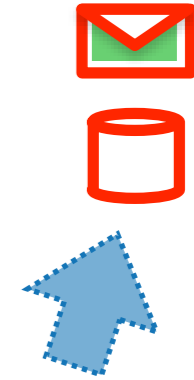
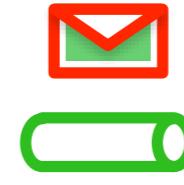
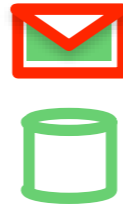
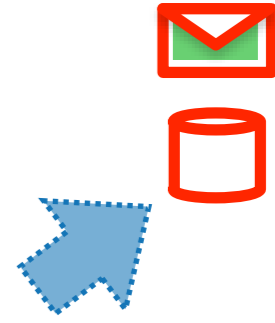
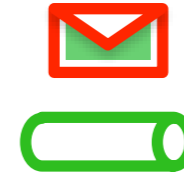
Content-Disposition: inline; filename="encrypted.asc"

-----BEGIN PGP MESSAGE-----

Version: GnuPG v1.4.14 (GNU/Linux)

Comment: Using GnuPG with Thunderbird - <http://www.enigmail.net/>

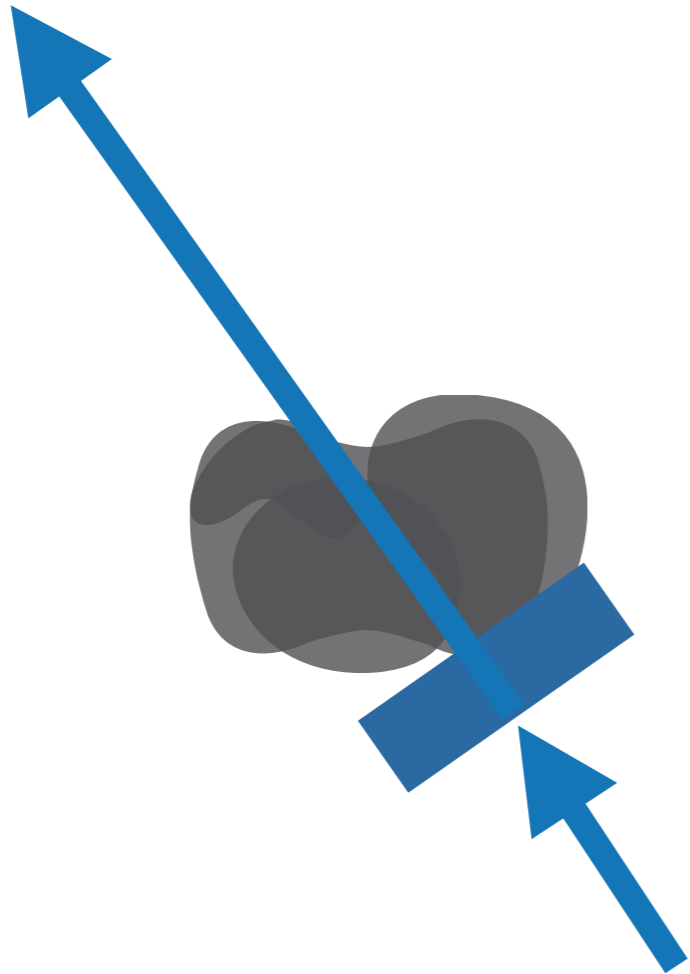
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4T1ixTn8kn7orTEFyWf+0mmE1k128E6CVLcESmP0fTUTD0?+aV1NbaYulvDACE6n



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\$\$

\$





**BEING RESPONSIBLE**

**over**

**MAXIMISING GAIN**