

Building a data stream in 30min

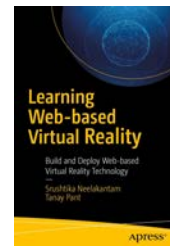
Srushtika Neelakantam





Hi there, I'm Srushtika

Developer
Advocate



The emergence of the World Wide Web

1980s - 1990s

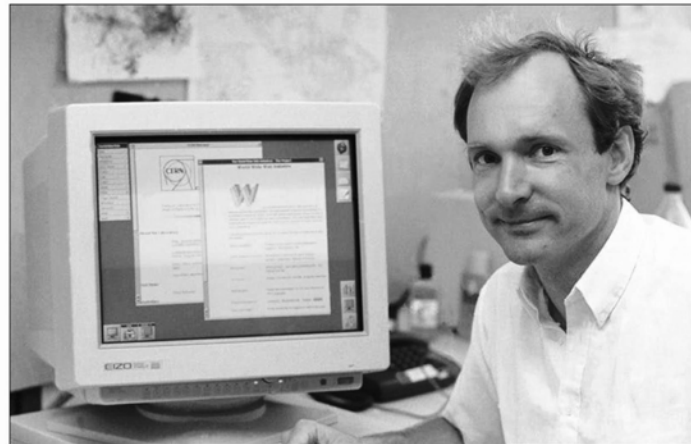
BRITISH STEM HEROES – SIR TIM BERNERS-LEE

MANY PEOPLE in the UK thought the World Wide Web was invented by Bill Gates.

That was until the opening of the Olympic Games in London this July when Tim Berners-Lee worked at a NeXT computer and tweeted 'This is for everyone' – instantly spelled out in LCD lights held by 70,500 people in the audience. The billion TV viewers around the world saw and heard that Tim Berners-Lee invented the World Wide Web.

Known as TimBL, Tim Berners-Lee on 25 December 1990, with the help of Robert Cailliau and a young student at CERN, implemented the first successful communication between a Hypertext Transfer Protocol (HTTP) client and server via the Internet.

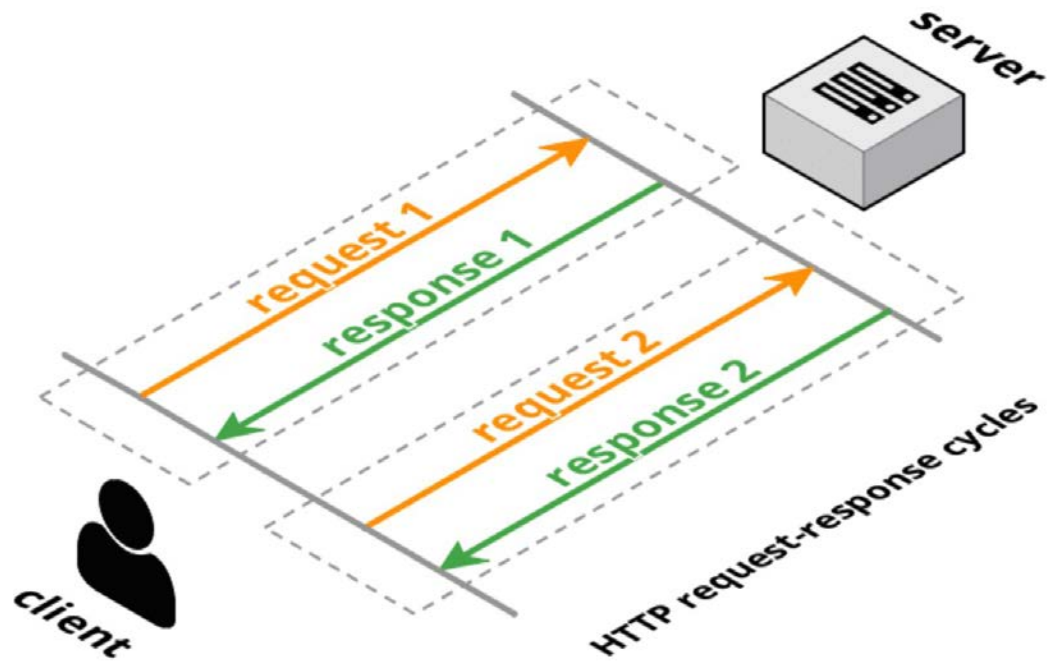
At the time Tim was an independent contractor working on projects at the France-Swiss border, located in CERN where researchers and technicians have just confirmed the existence of the Higgs Boson particle.



Tim Berners-Lee invented the World Wide Web (WWW) in 1989. The web was originally conceived and developed to meet the demand for automatic information-sharing between scientists in universities and institutes around the world.

The man who invented the World Wide Web

HTTP



Evolution of the online data sharing economy

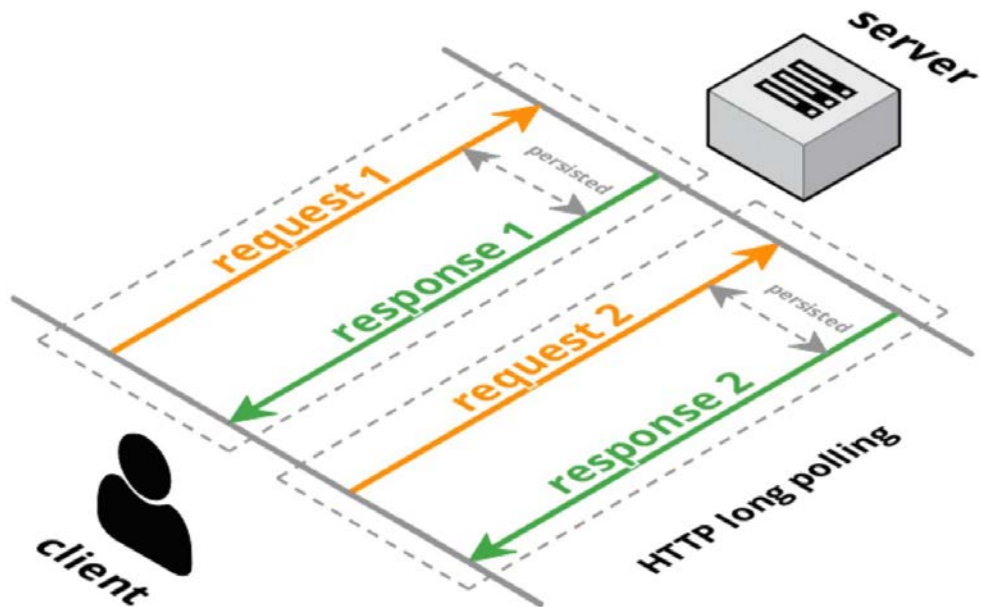


Examples of **CDN**
service providers:

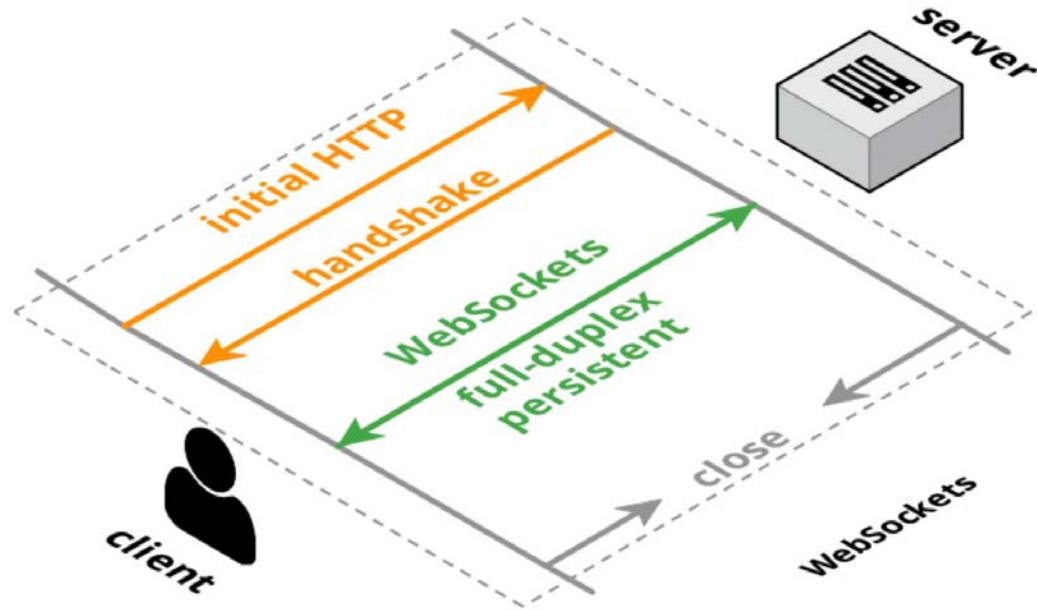
- MaxCDN
- Cloudflare
- Google App Engine



Long Polling



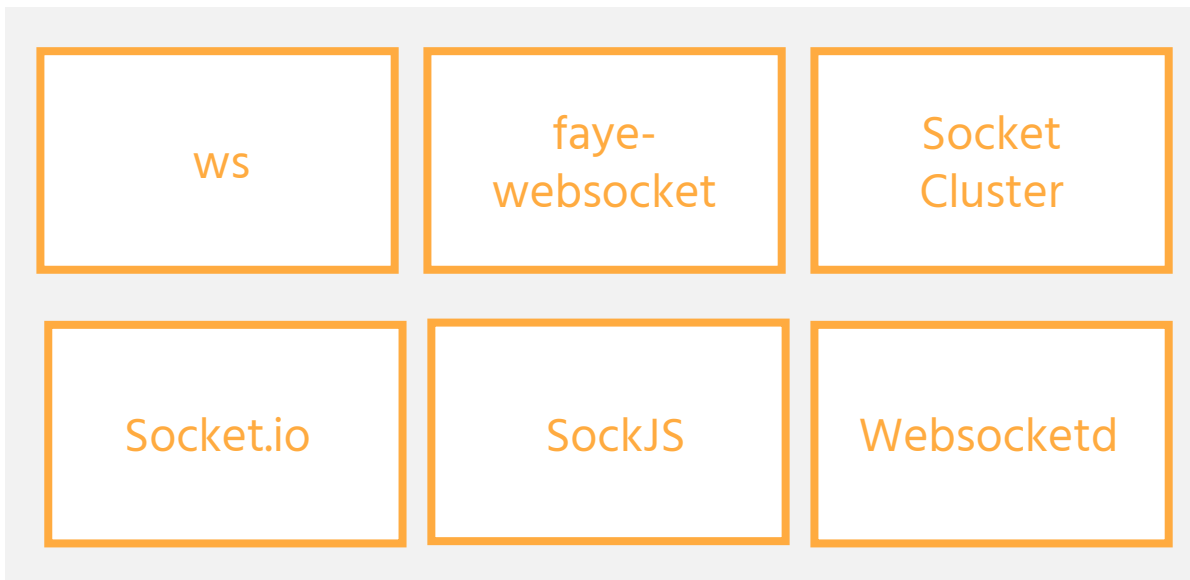
WebSockets



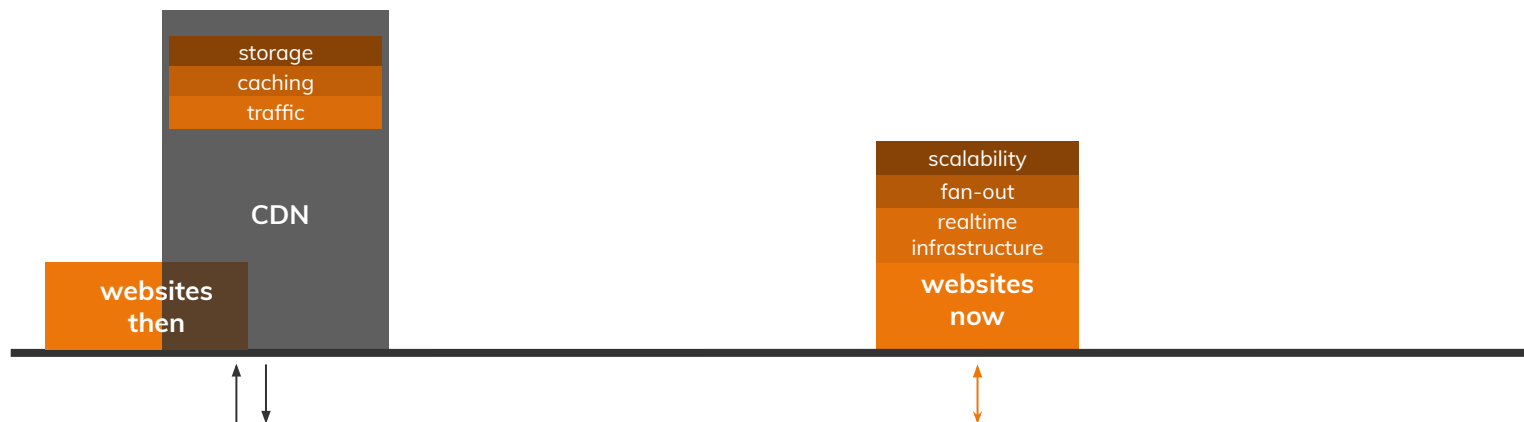
Spinning up your own WebSockets server



Some open-source options



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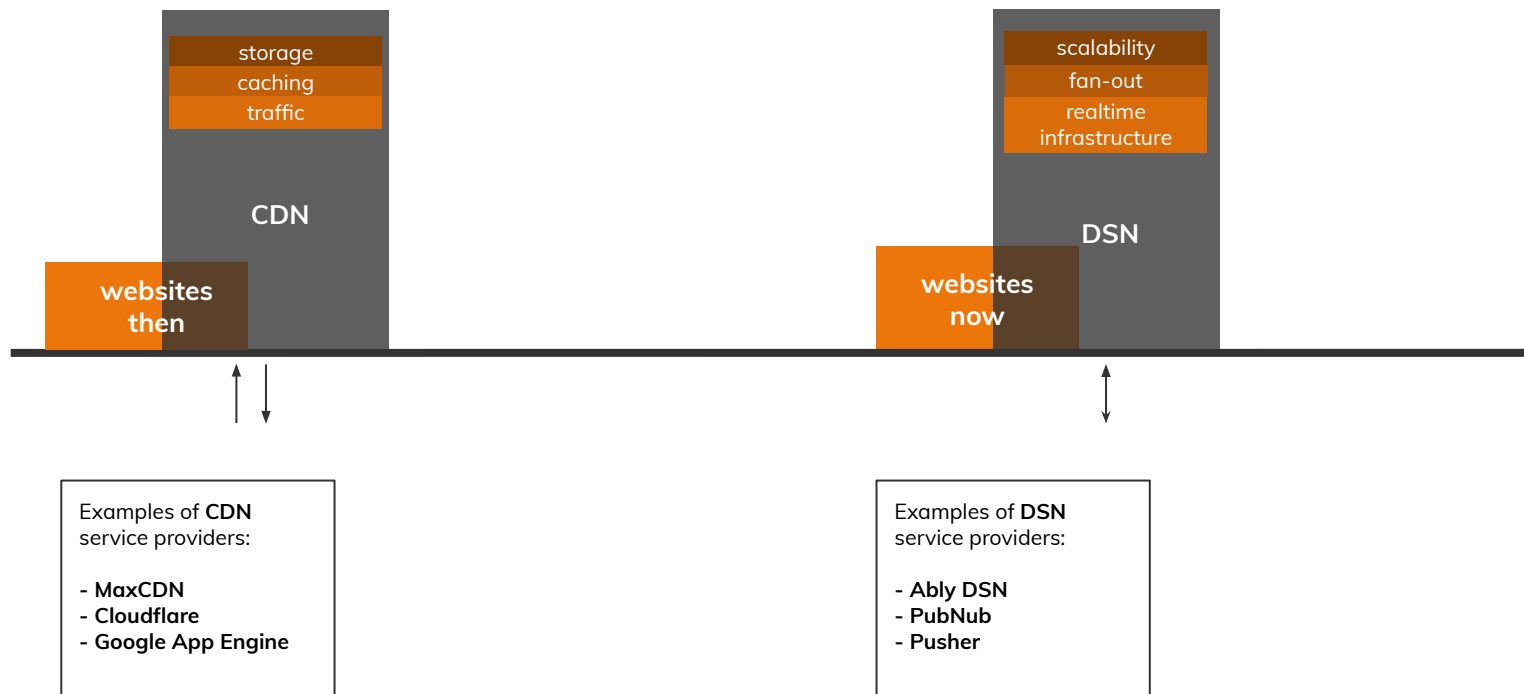


Examples of **CDN**
service providers:

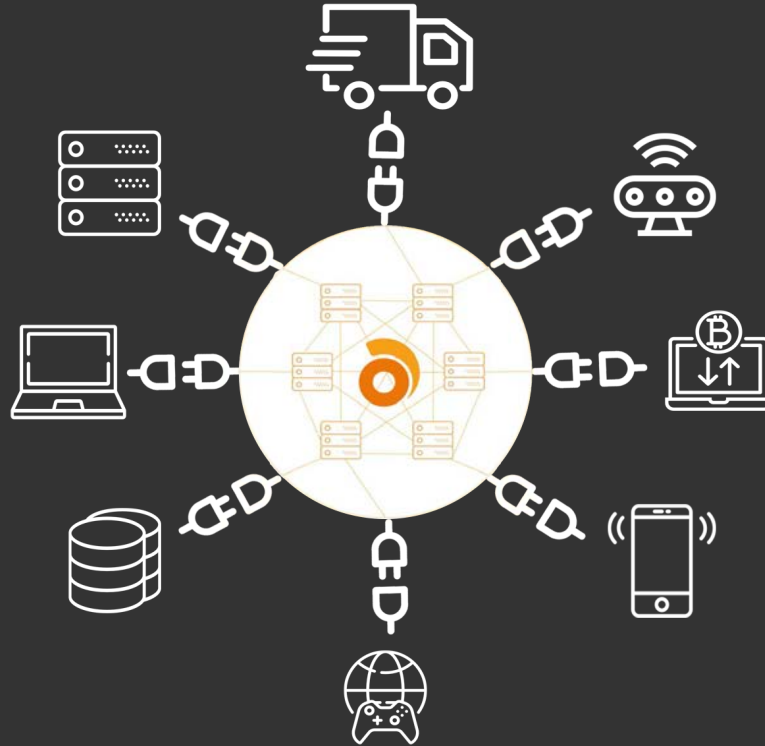
- MaxCDN
- Cloudflare
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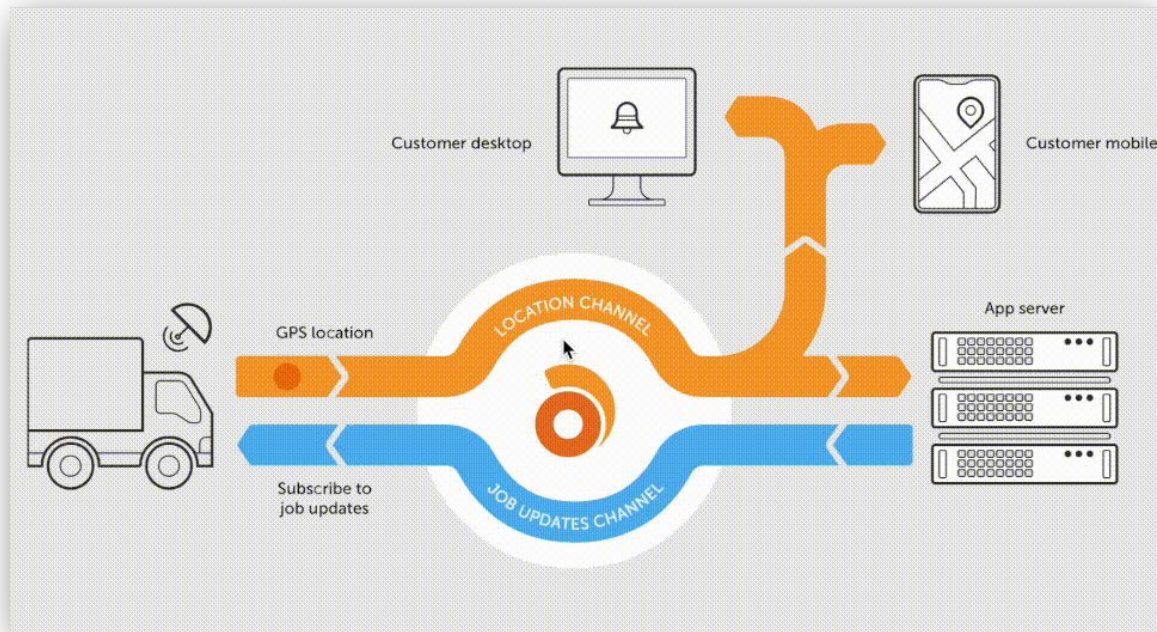
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Representation of a Data Stream Network



Realtime and Pub/Sub



November 2007

GRANDMA

monthly

THE GRANDMA'S MAGAZINE

You absolutely *have*
to try this casserole
recipe Opal gave me,
it's to die for

*Can you help me find
my glasses, honey?*

I got this sweater
for you on my
shopping trip the other
day, I hope it fits

If it doesn't fit, I can just take it back

Put on a coat
before you go
outside!

Kids
These
Days

I just mopped
that floor, don't
go walking on it

My,
haven't
you grown!

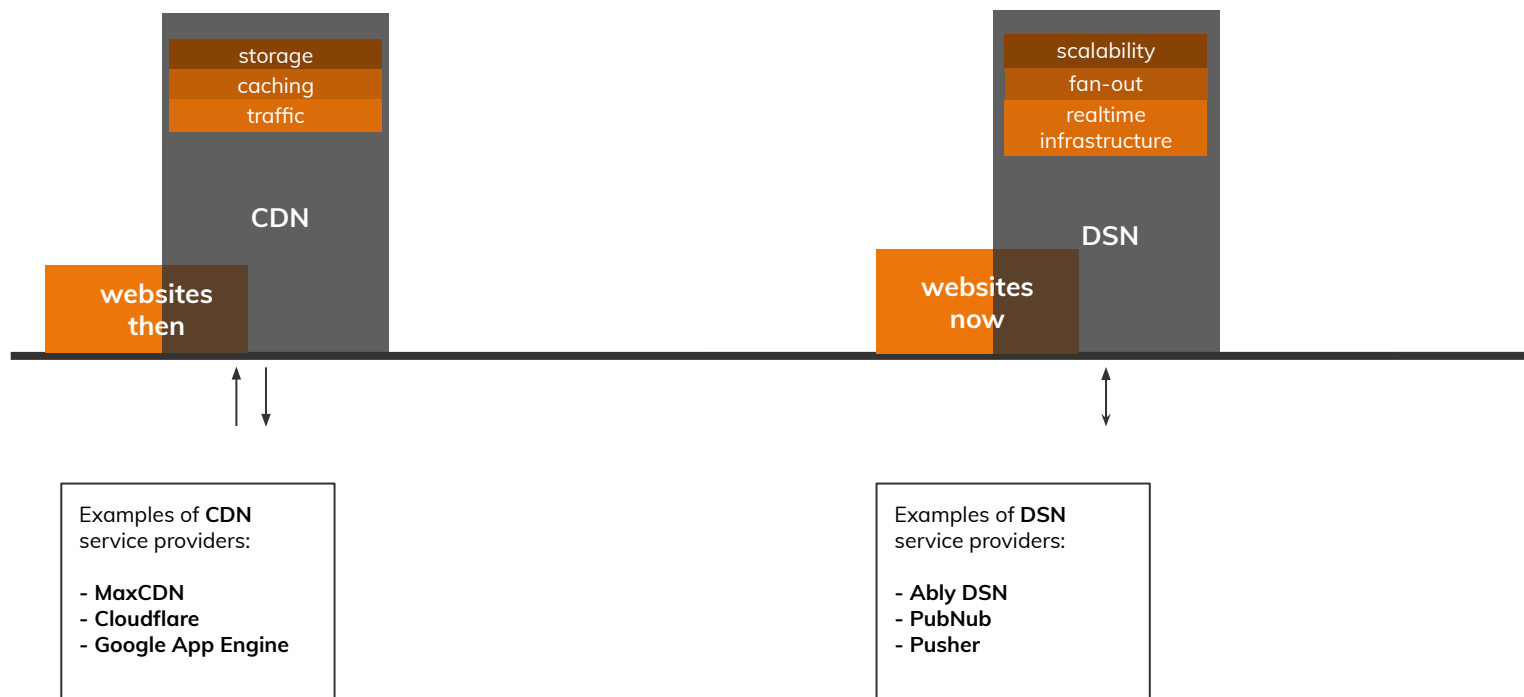
Why, you were only up to here on me
the last time I saw you!

\$3.99 US



SOMETHINGAWFUL.COM

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The Era of APIs



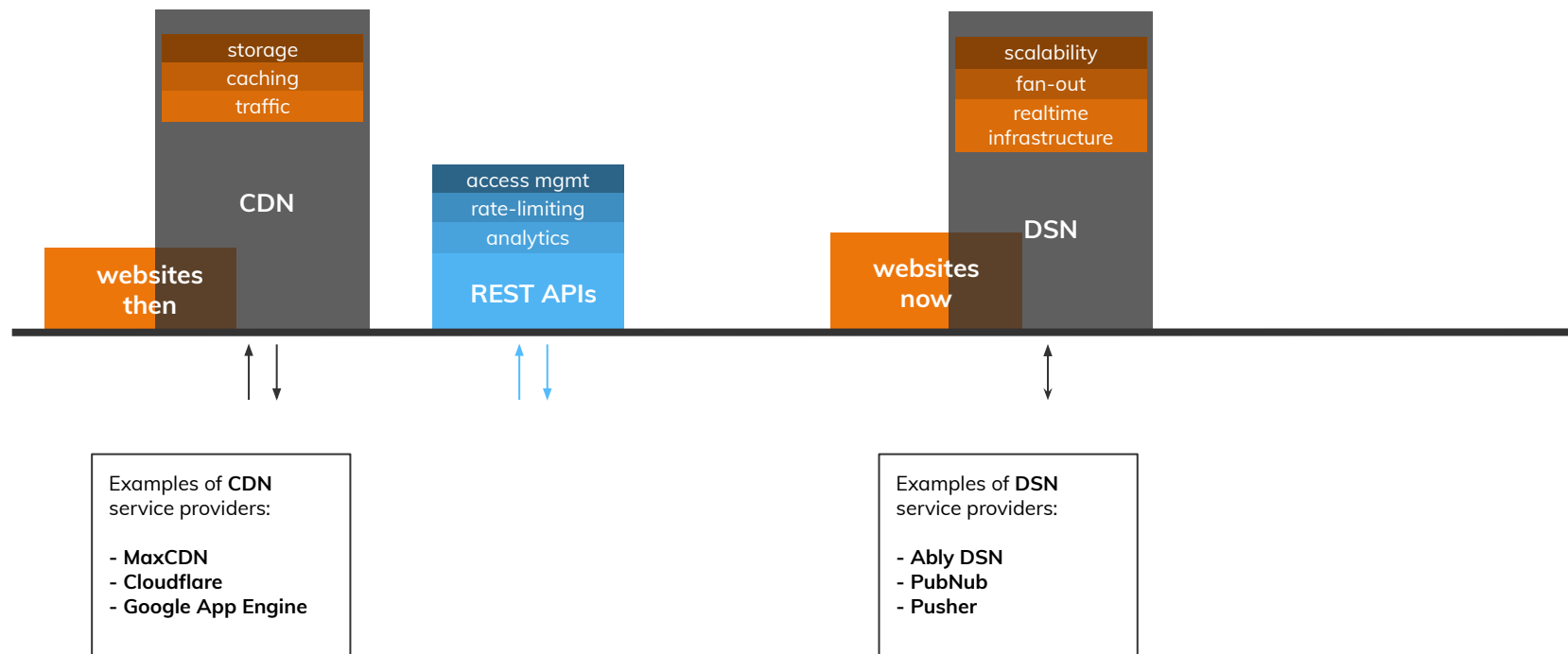
Follow



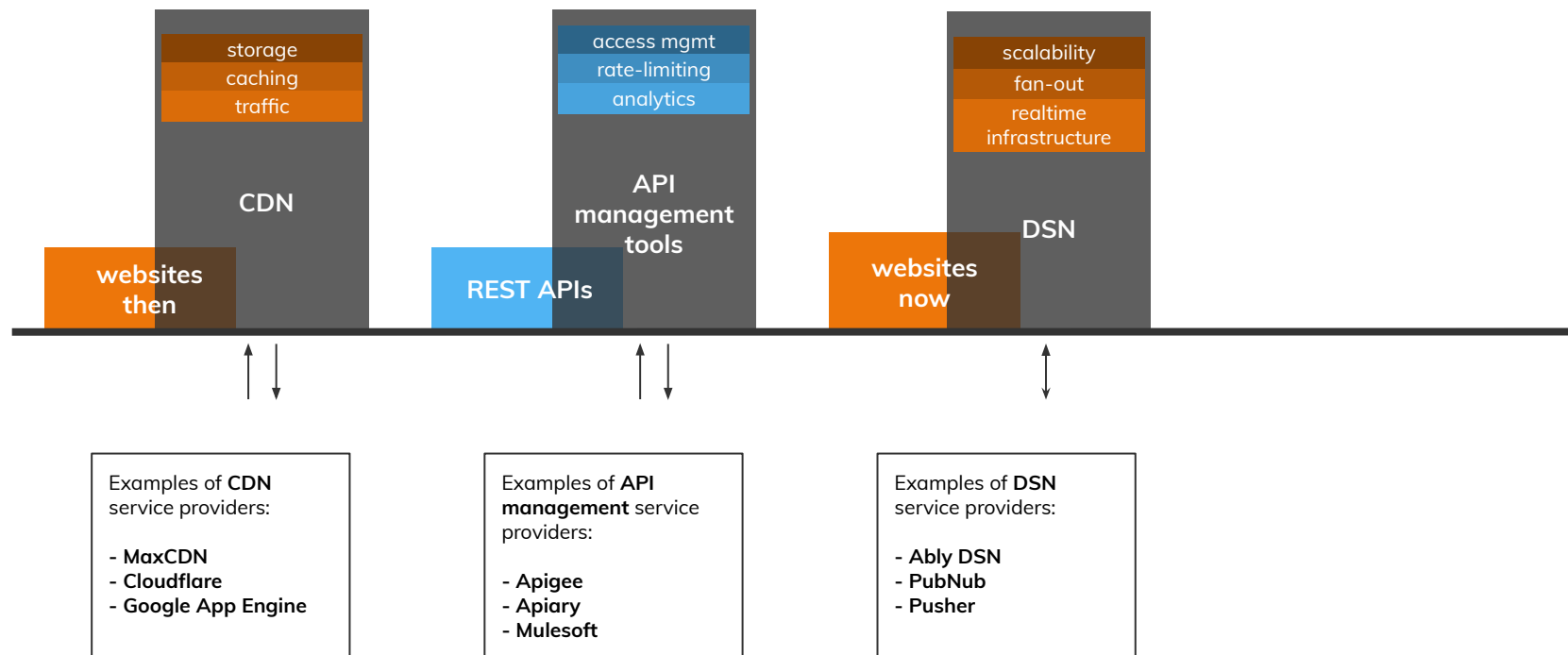
Investments in API Companies Doubled in 2018, Surpassing 1 Billion Dollars

2018 has been a great year for API companies. We've seen 88 investments in

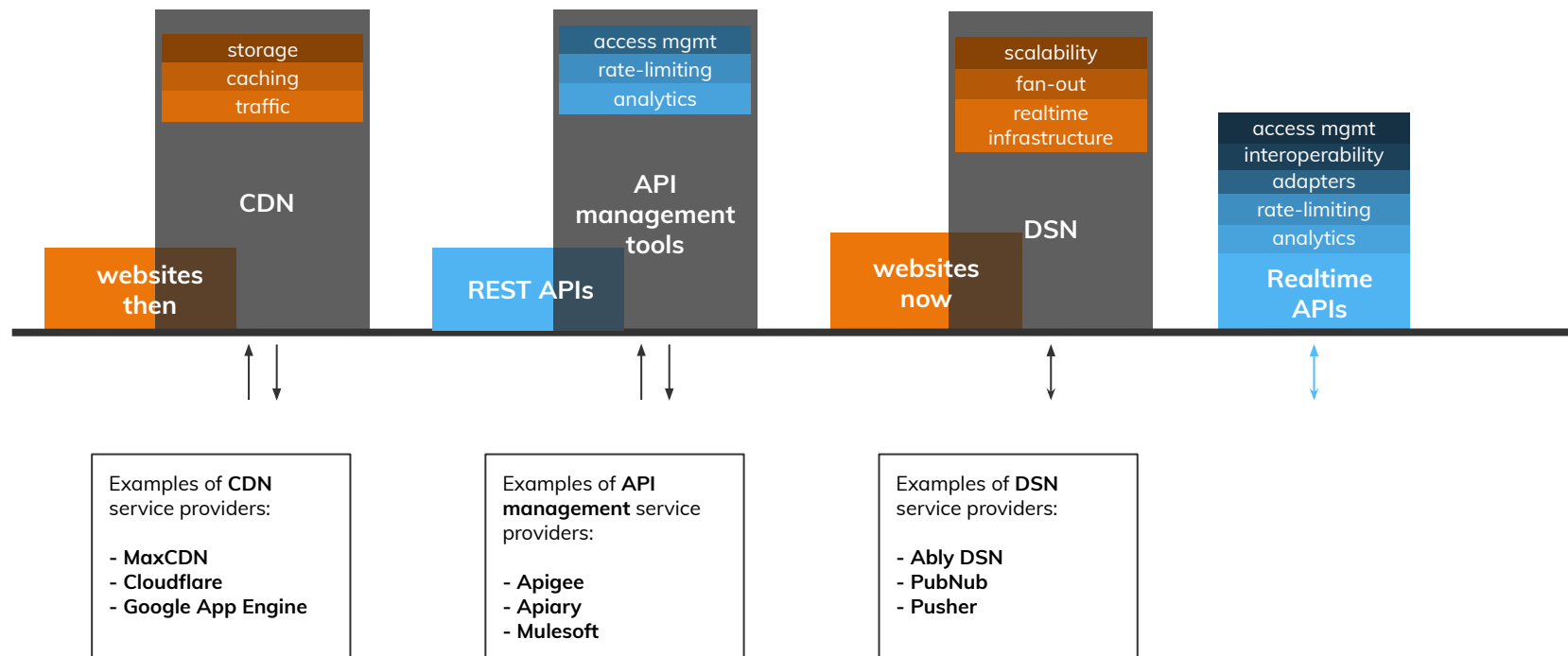
Evolution of the online data sharing economy



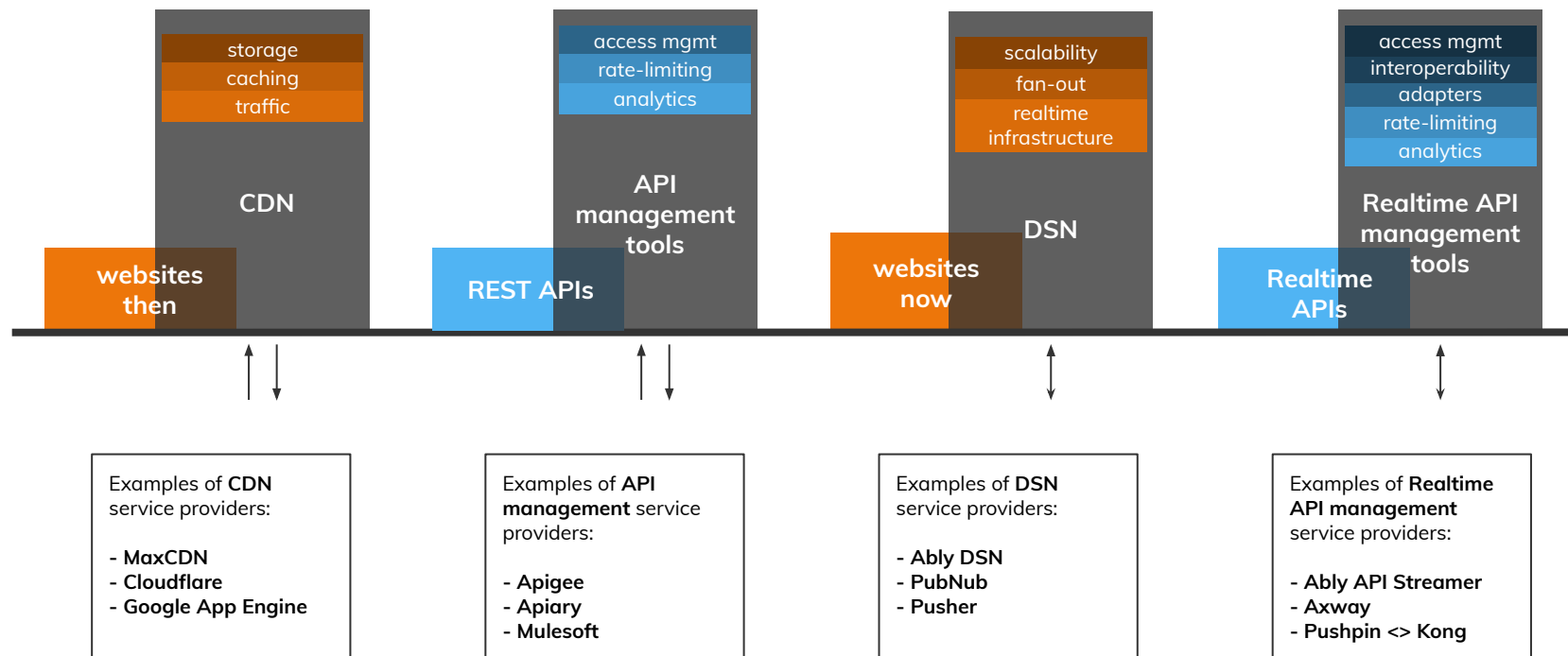
Evolution of the online data sharing economy



Evolution of the online data sharing economy



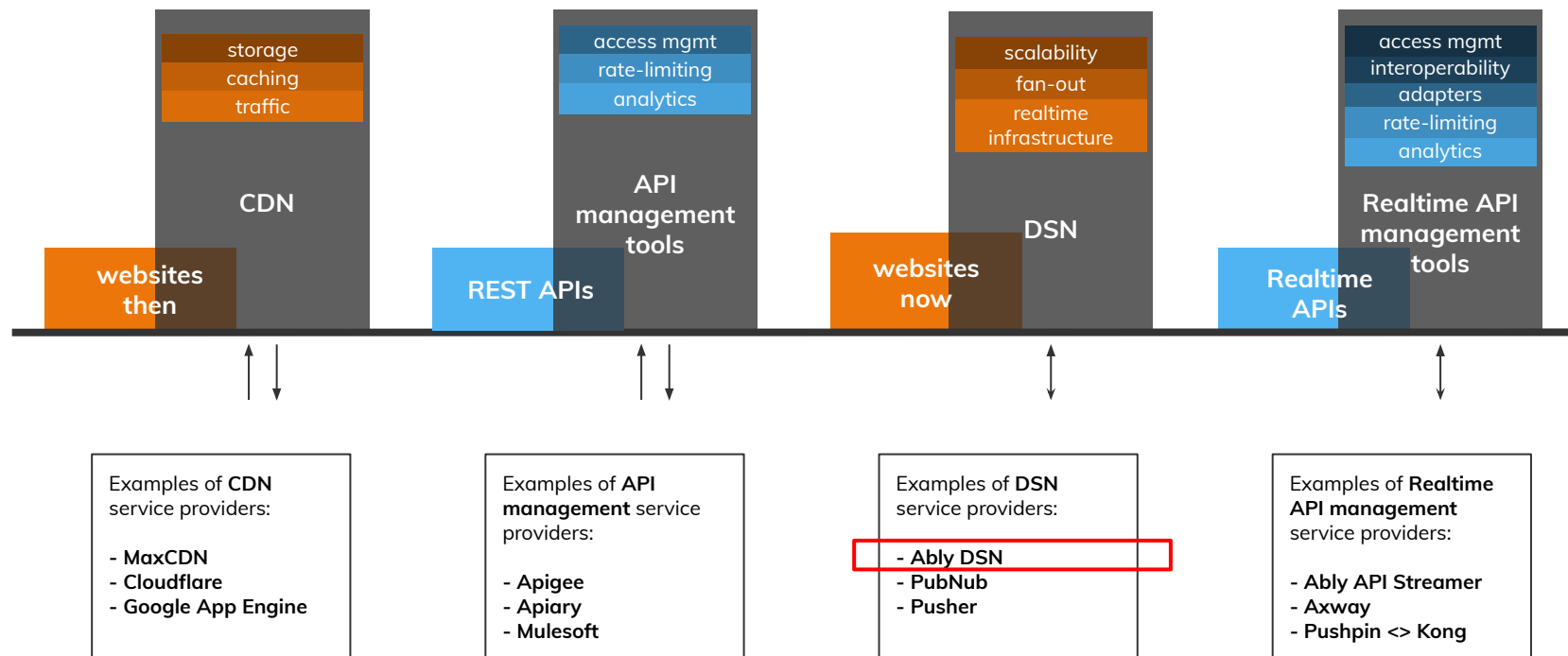
Evolution of the online data sharing economy



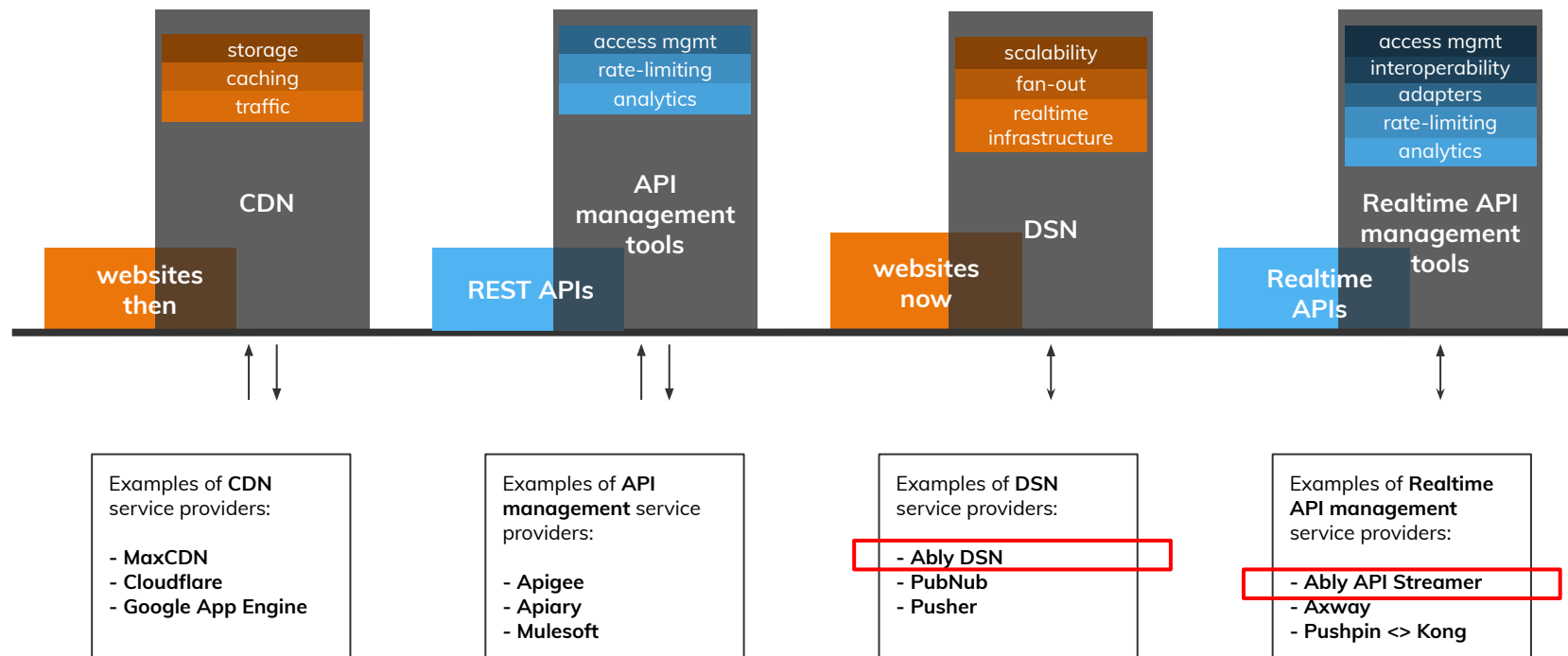
LET'S WRITE CODE



Evolution of the online data sharing economy

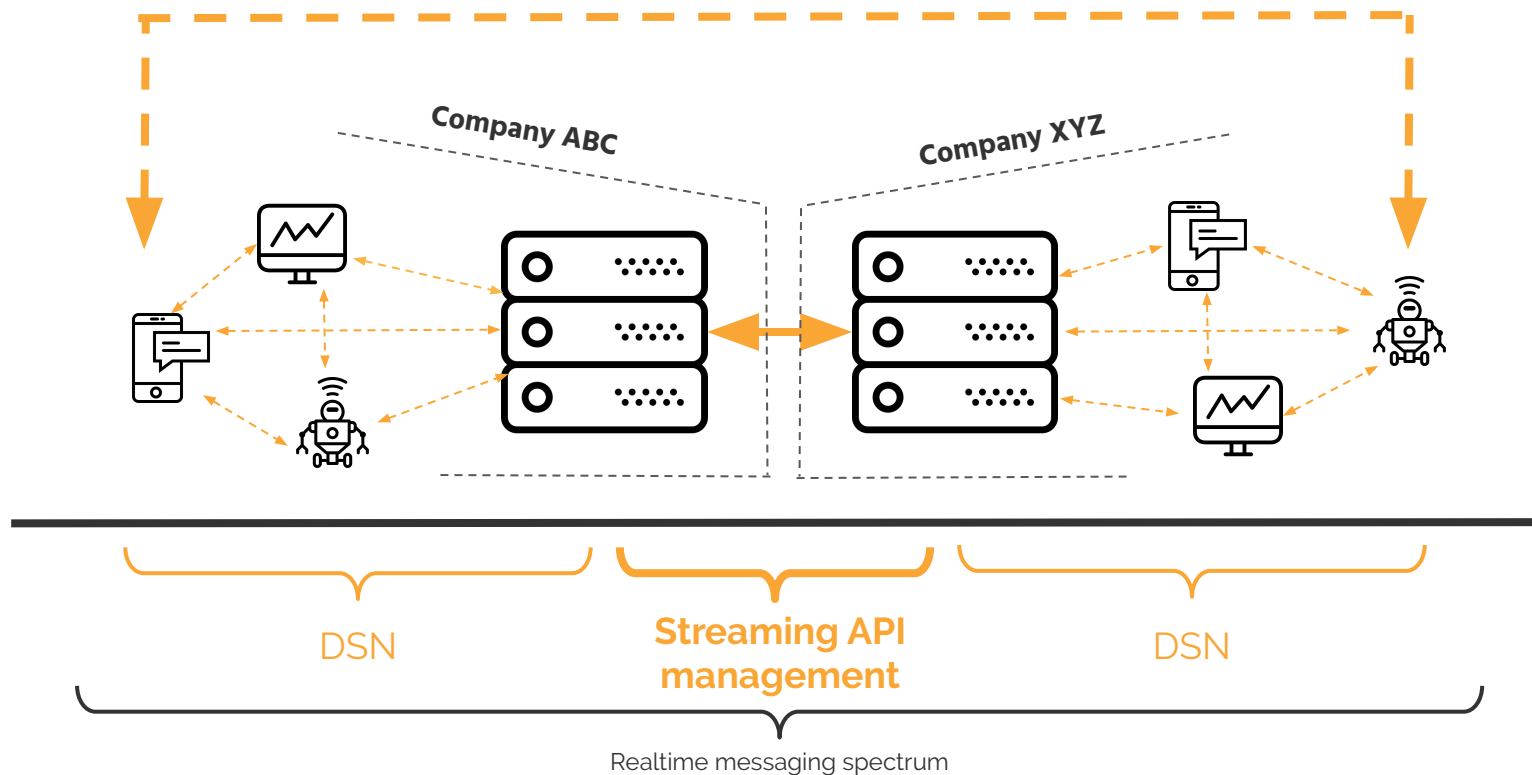


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Streaming API management + Data Stream Network

End-to-End data sharing in realtime



Internet





Thankyou!

You can find me @Srushtika on Twitter and GitHub