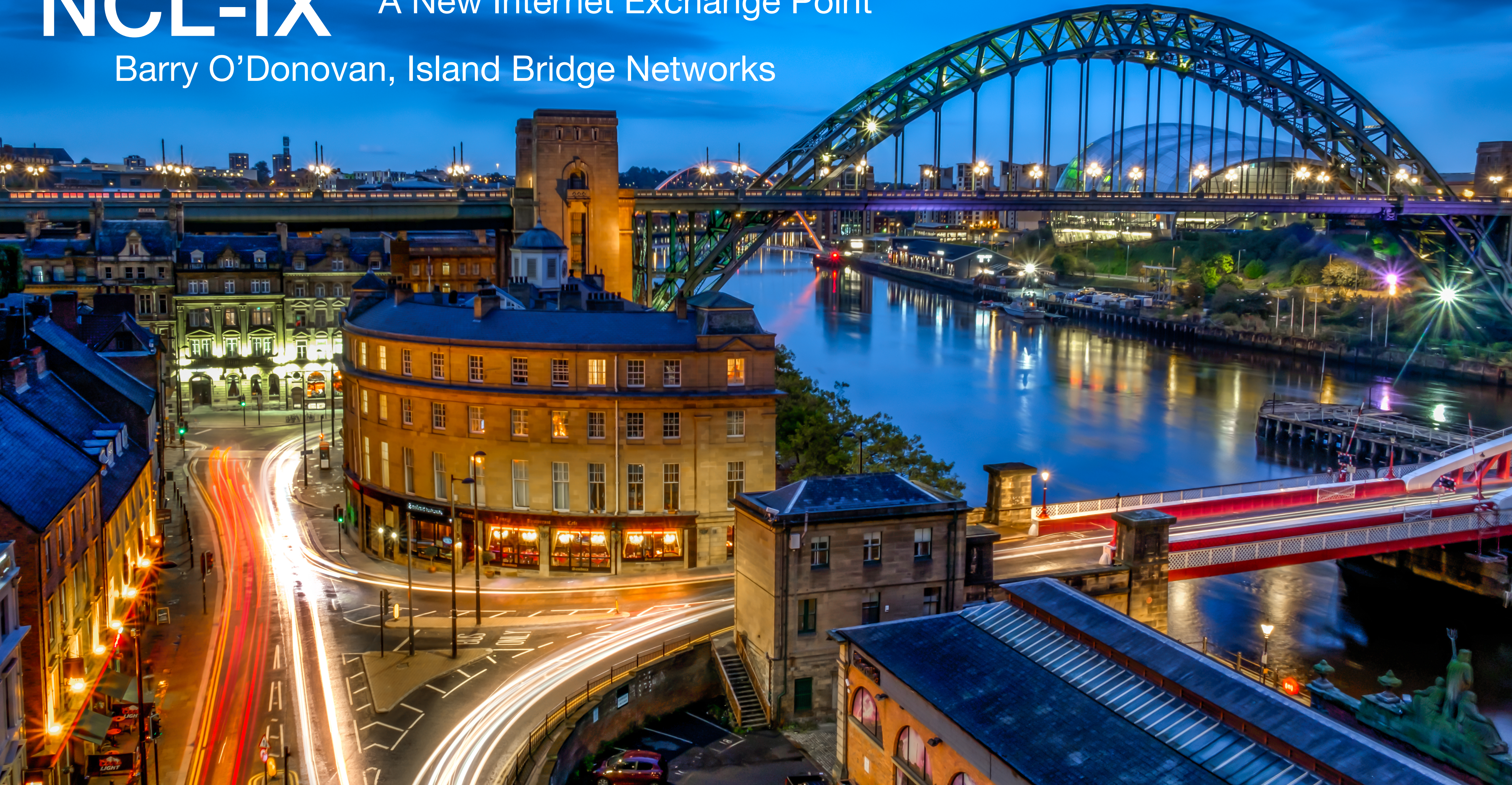


NCL-IX

A New Internet Exchange Point

Barry O'Donovan, Island Bridge Networks

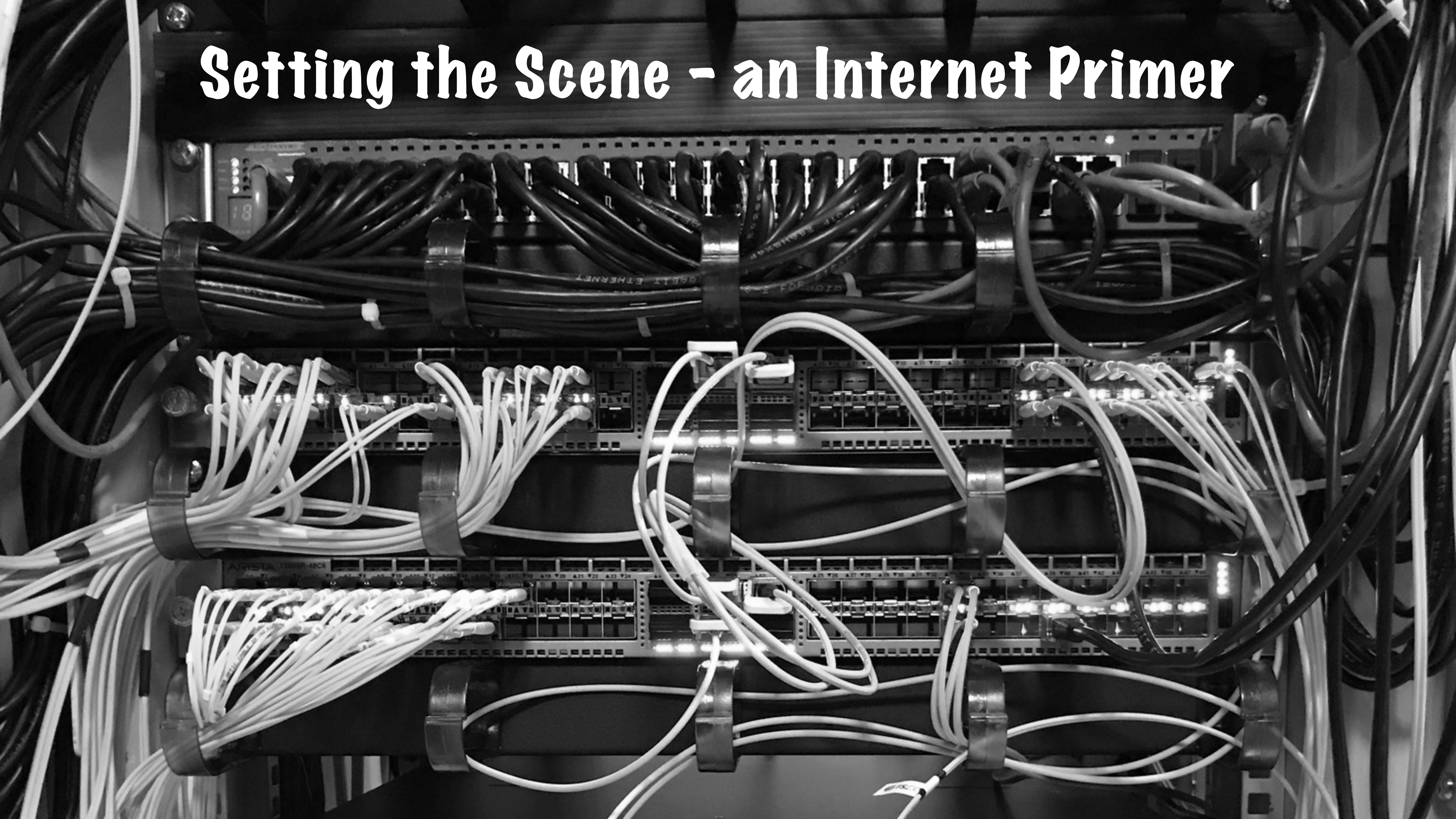


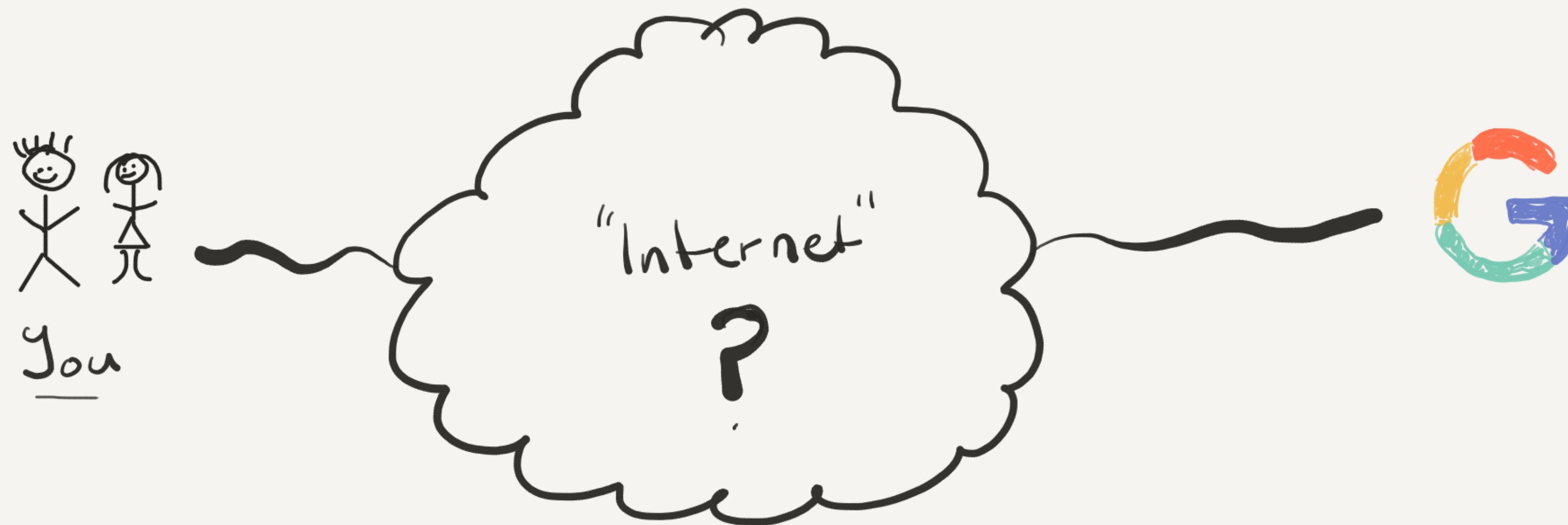
About Me



- Island Bridge Networks since 2014
 - Long relationship with Stellium and their management team
- ISP / IXP Consultancy for ~15 years
- INEX - the internet peering point for the island of Ireland
 - IXP Manager - now powering 150 exchanges worldwide, including NCL-IX
- Passionate about IXPs, enabling connectivity, internet security

Setting the Scene - an Internet Primer

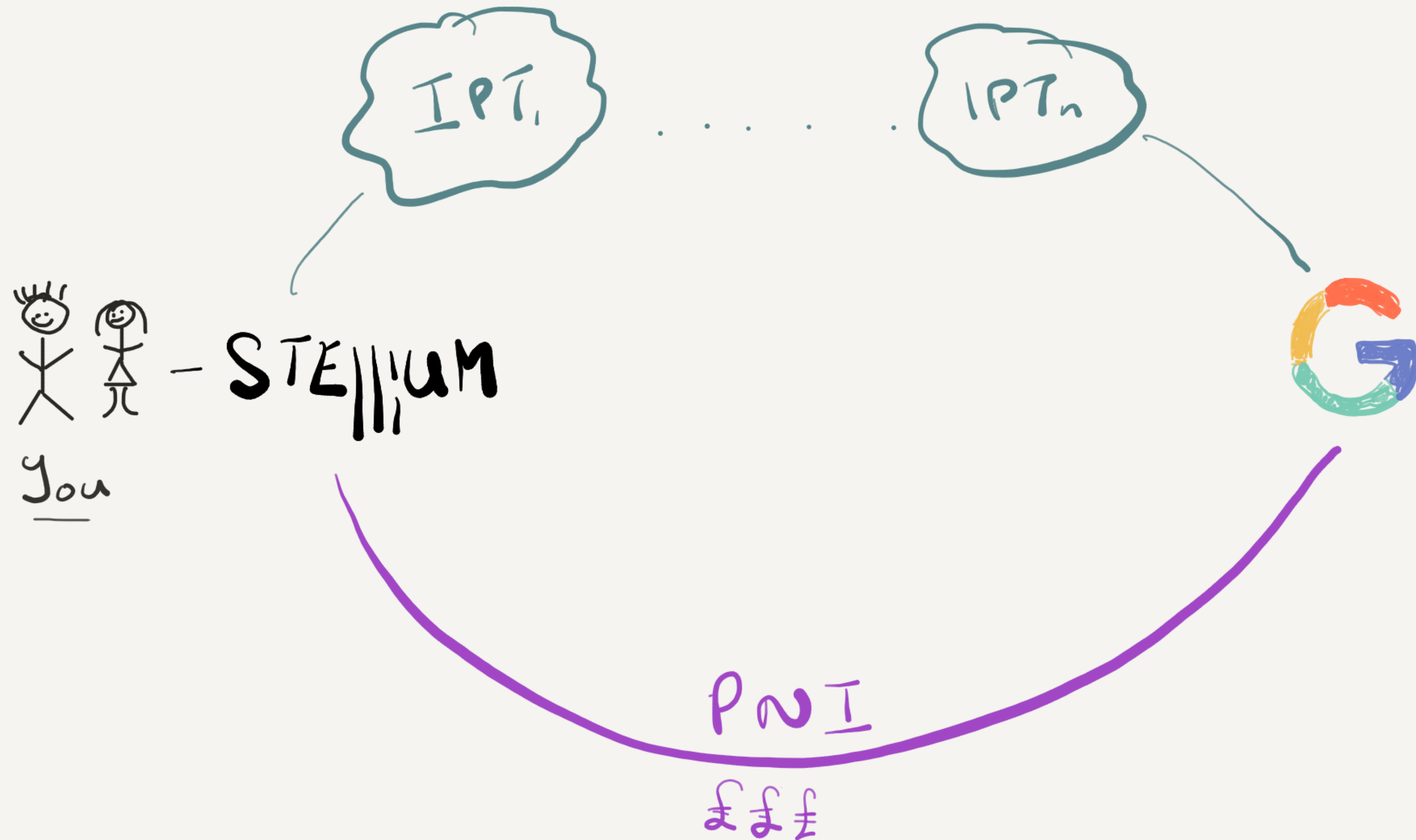


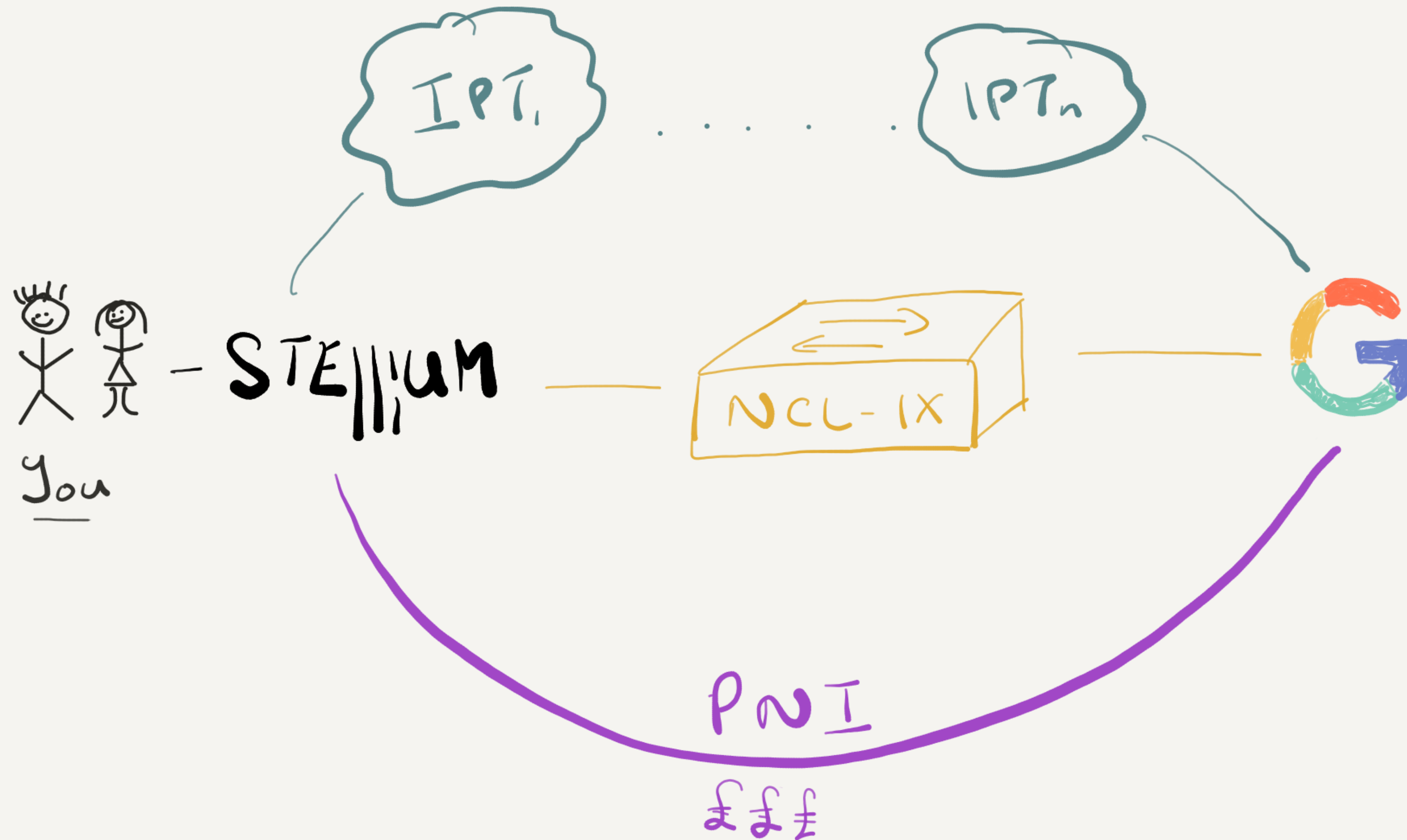


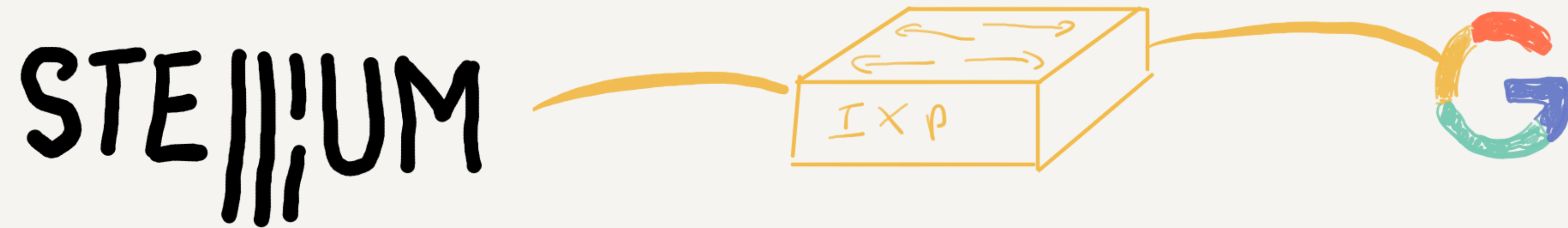
 - STELLIUM
You

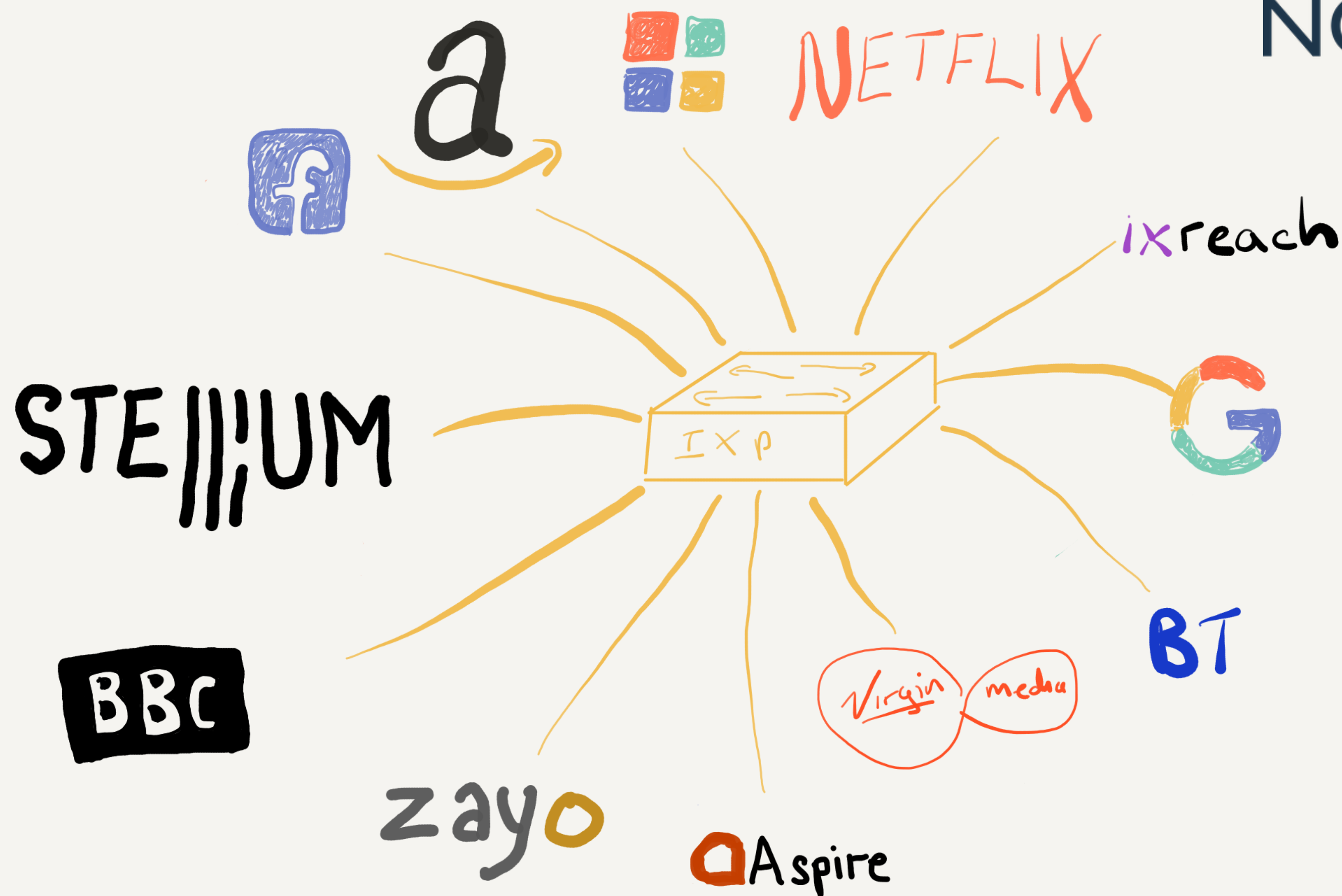












NCL-IX TRN PoP



swi1-trn-1



Route Server #1



Route Collector



100Gb

100Gb

swi1-trs-1



Route Server #2



NCL-IX TRS PoP



- The most trusted IXP platform worldwide - 150 IXPs
- Secure by default, implements best practice
- Crafted at INEX, supported by patrons and IXPs who share a mission

A FREE-TO-USE, OPEN SOURCE PROJECT WITH A MISSION TO ENABLE THE CREATION OF IXPs WHEREVER THEY ARE REQUIRED. THE EXISTENCE OF THESE IXPs WILL, IN TURN, CREATE A STRONGER, OPEN, MORE ROBUST AND BETTER CONNECTED INTERNET

NCL-IX - Key Features



- Committed to building a neutral exchange for the betterment of the north of England
- Supporting 1Gb, 10Gb and 100Gb links (inc. LAGs) over SMF
 - Phase 1: Arista DCS-7280SR-48C6
 - Phase 2: Arista DCS-7060CX2-32S
- IPv4 and IPv6 allocation from RIPE's dedicated IXP pool (ripe-733)
- Secure by default, implements best practice (IXP Manager, MANRS)
 - Route servers with IRRDB and RPKI
- Pro-bono *good of the internet* services planned, AS112 live

Ready for connections now!



info@ncl-ix.uk

Title Image - *Blue Hour in the City*, CC BY 2.0, unmodified except for title text.

Barry O'Donovan - Island Bridge Networks (UK) Ltd - February 11th 2021