Automating peering@

Streamlining and scaling the handling of Peering Requests

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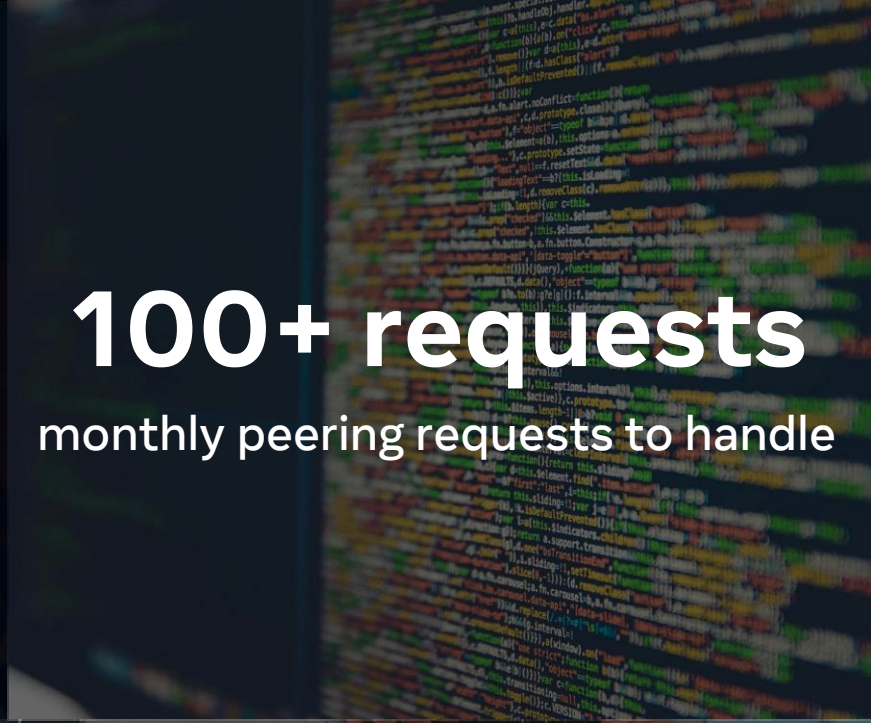
FACEBOOK

500+ emails

a month are sent to peering@fb.com



100+ requests

monthly peering requests to handle

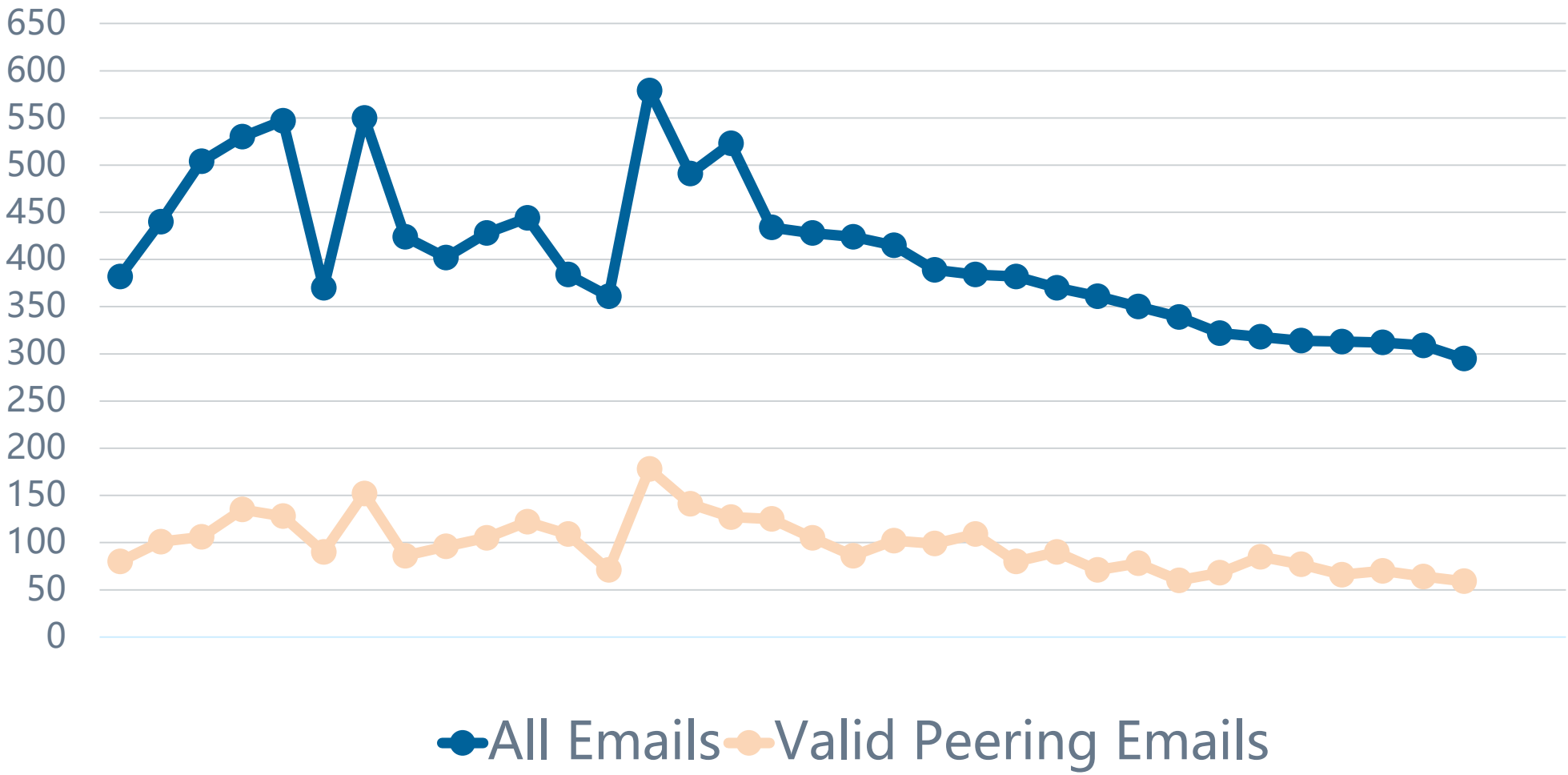
210+ IXPs

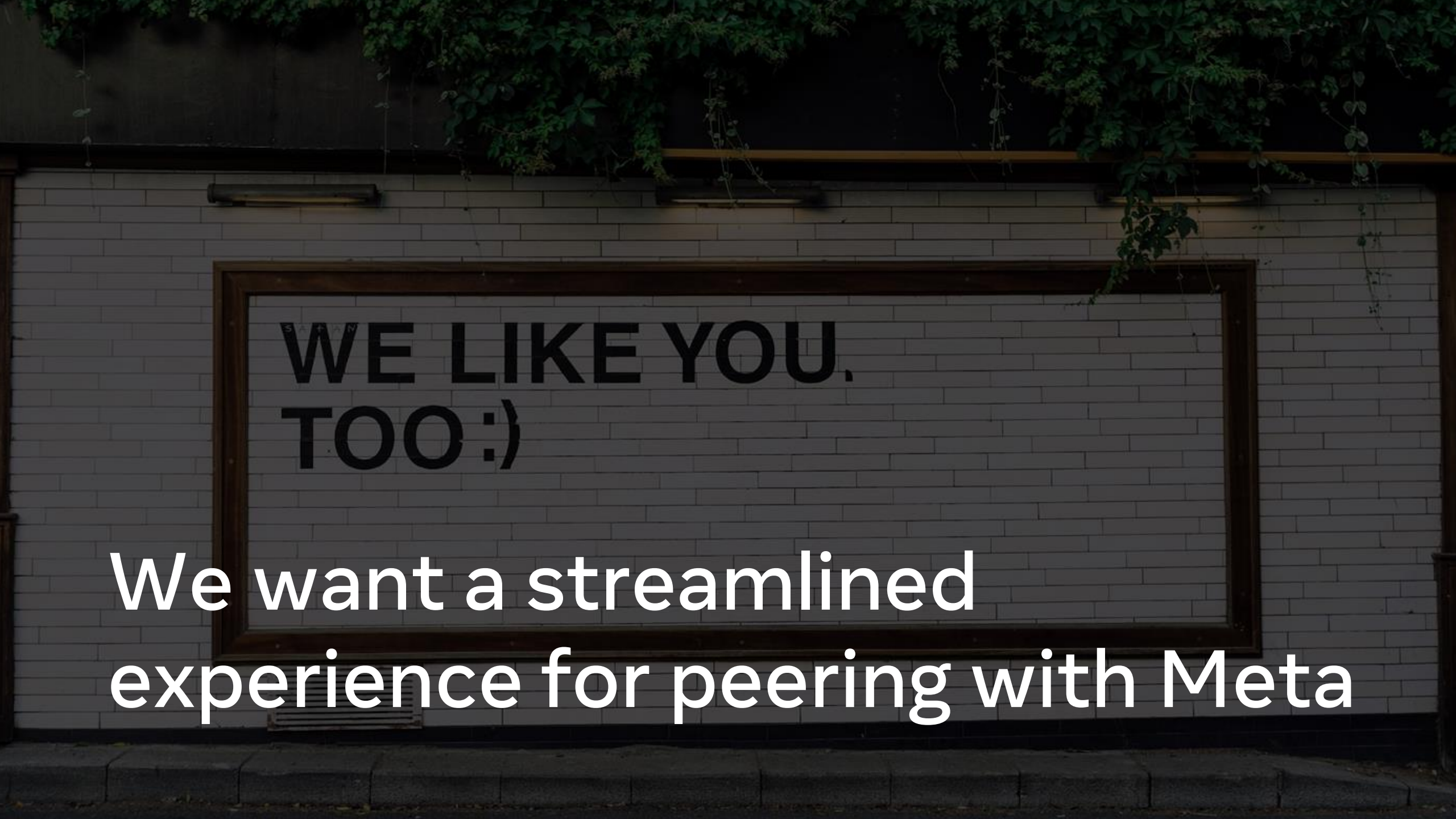
Internet Exchanges, globally

44,000+

Public Peering Sessions

Peering@ Emails





We want a streamlined experience for peering with Meta

What did you think about it?

What does it look like?

Request Public Peering

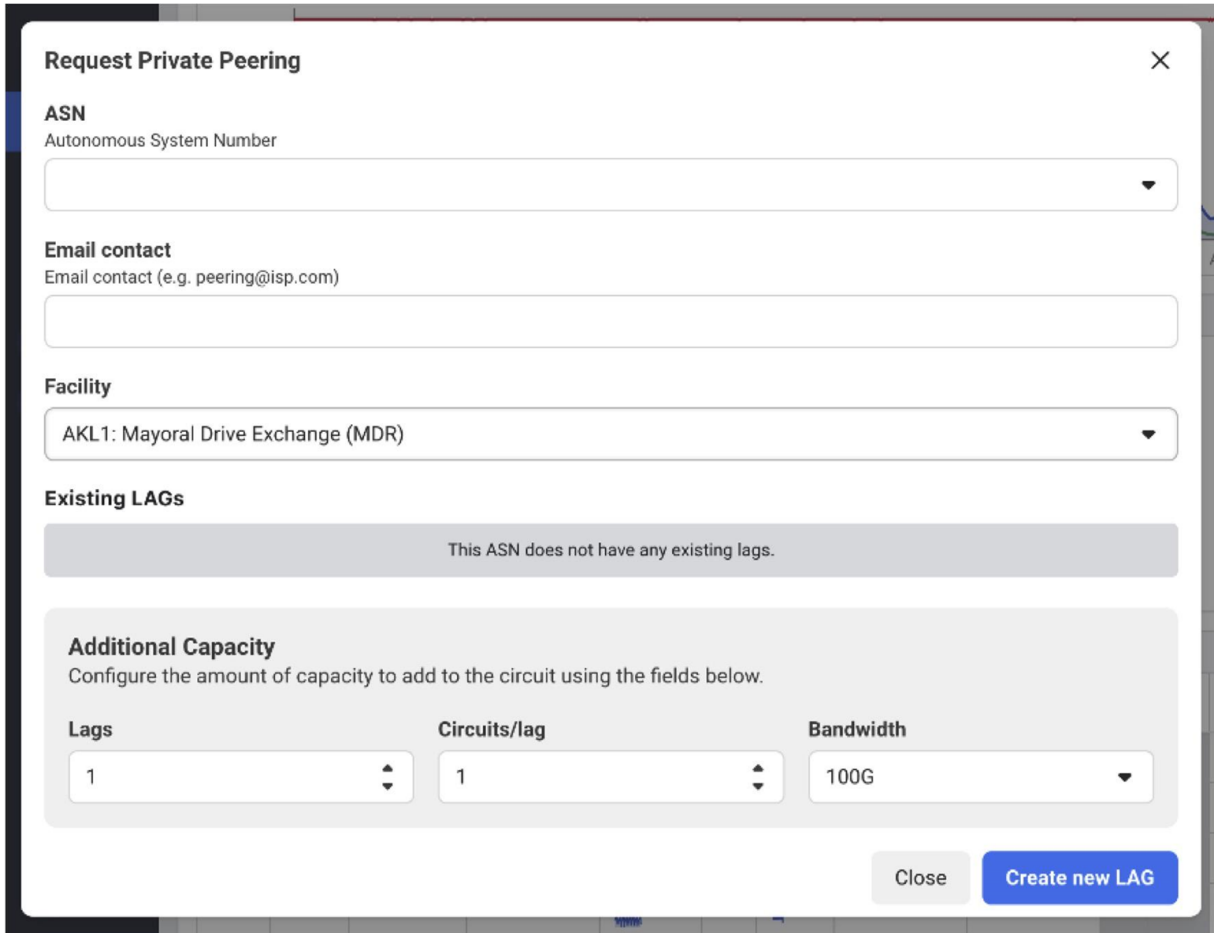
Public Peering Sessions

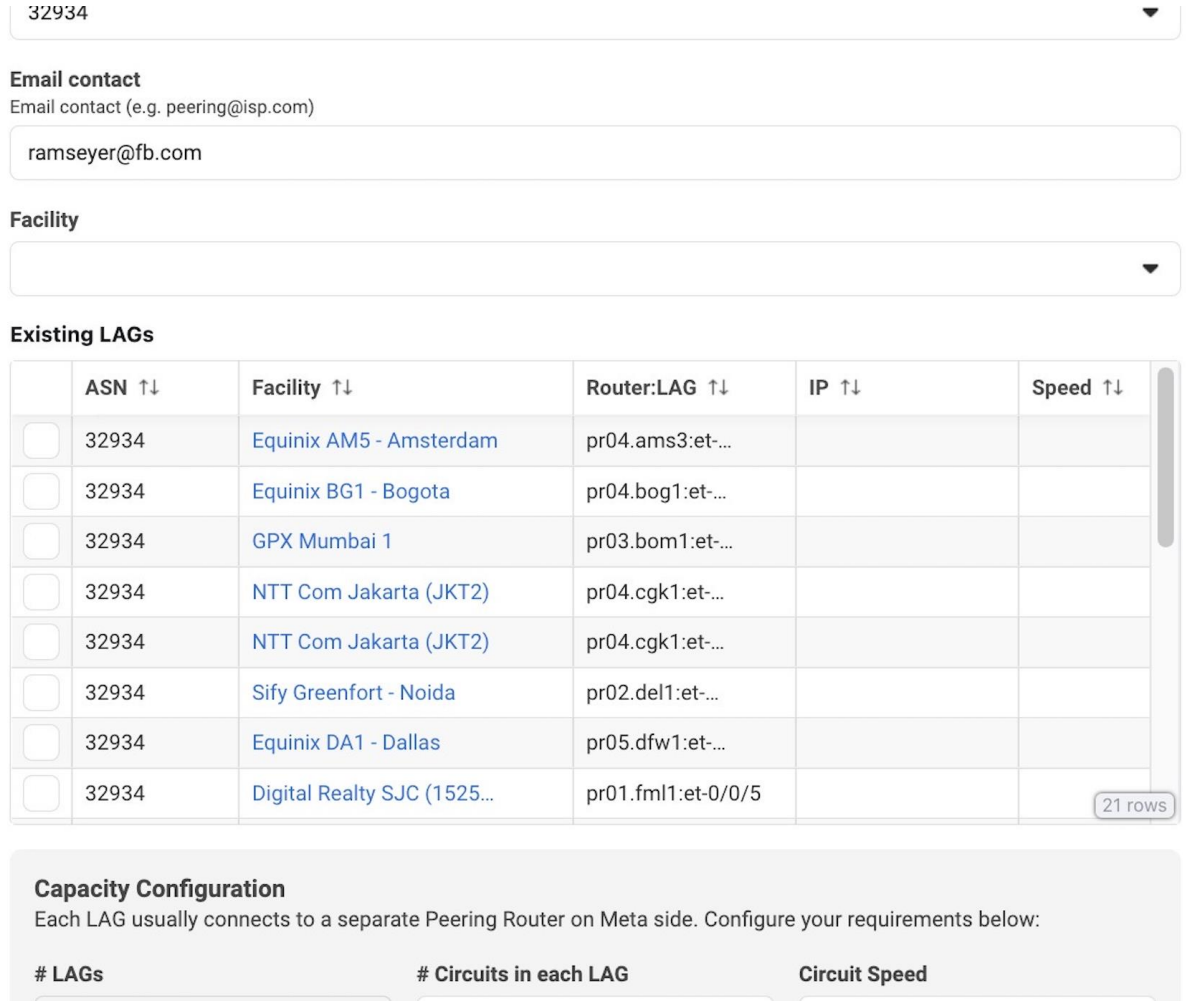
Select all the exchanges you wish to peer at

		Exchange	Traffic 30d	FB IP	Peer IP	BGP Session Status
›	☐	SOX Serbia	0 bps			Not Established
⌄	☑	Boston Internet…	0 bps			Not Established
	☑	Boston Internet…	0 bps	2001:504:24:1::80a6:1	2001:504:24:1::80a6:1	Not Configured
	☑	Boston Internet…	0 bps	2001:504:24:1::80a6:1	2001:504:24:1::80a6:2	Not Configured
	☑	Boston Internet…	0 bps	206.108.236.53	206.108.236.53	Not Configured
	☑	Boston Internet…	0 bps	206.108.236.53	206.108.236.88	Not Configured
	☑	Boston Internet…	0 bps	2001:504:24:1::80a6:2	2001:504:24:1::80a6:1	Not Configured
	☑	Boston Internet…	0 bps	2001:504:24:1::80a6:2	2001:504:24:1::80a6:2	Not Configured
›	☑	DE-CIX…	0 bps			Not Established
›	☑	BCIX: BCIX…	0 bps			Not Established

Close | Request Public Peering

Private Peering





What happens if I email peering@ now?

Thanks for your interest in peering with Meta.

Please send us any peering requests via our dedicated page at https://www.facebook.com/peering/

We rely on PeeringDB data for configuration generation, so please make sure your PeeringDB record is up to date before requesting peering.

Our complete peering information can be found at: http://as32934.peeringdb.com and http://as63293.peeringdb.com

Best regards,

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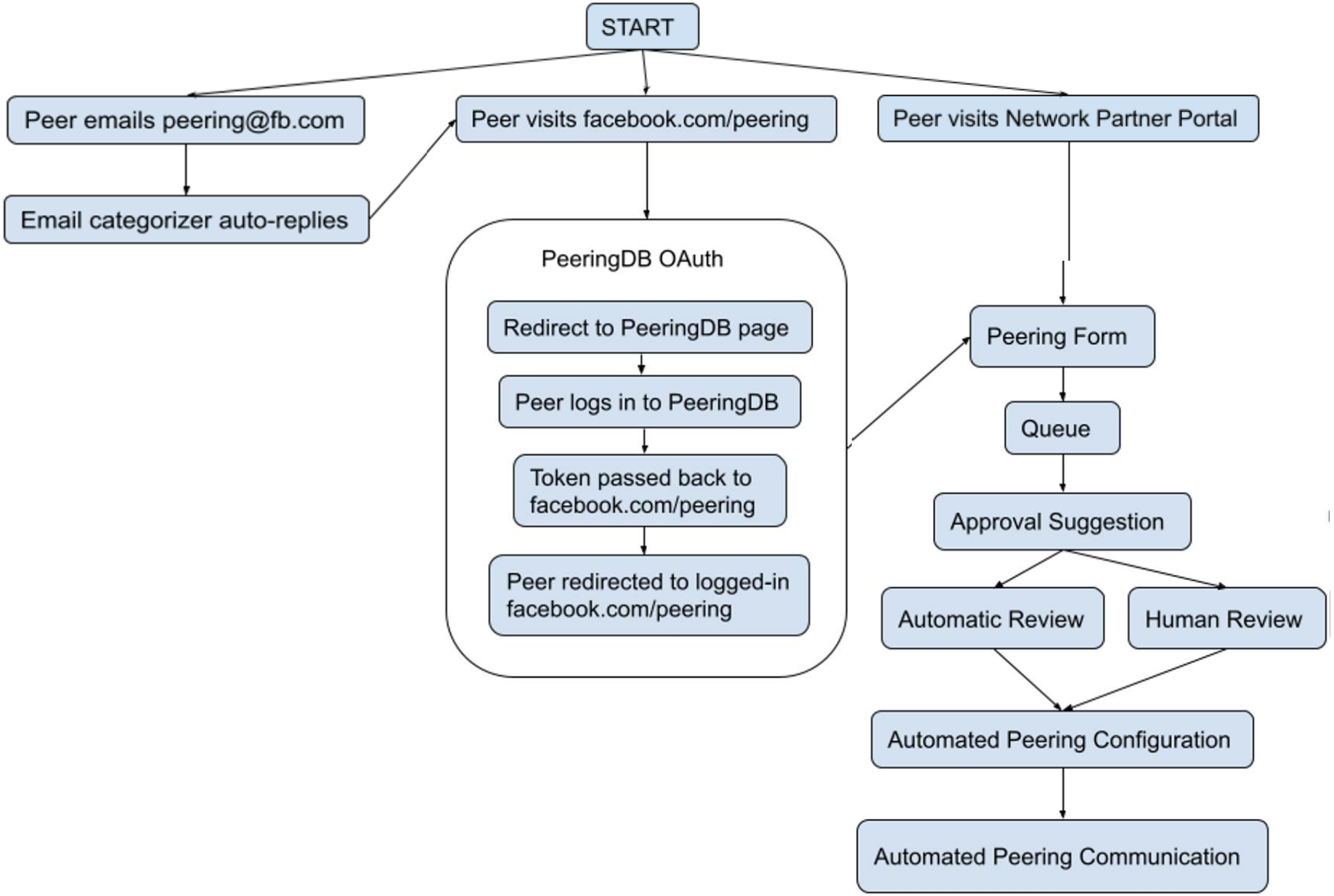
Meta Peering

What happens to my peering request?



Automation Impact...Since April 2021

5958 emails

2118 automated requests

1986 approved

20039 sessions auto configured

Considerations...

01

Queuing System

Initially have all peering requests human reviewed, gradually moving to automated approvals

02

Relying on PeeringDB

We already rely on PeeringDB data already for tools feeding our session automation

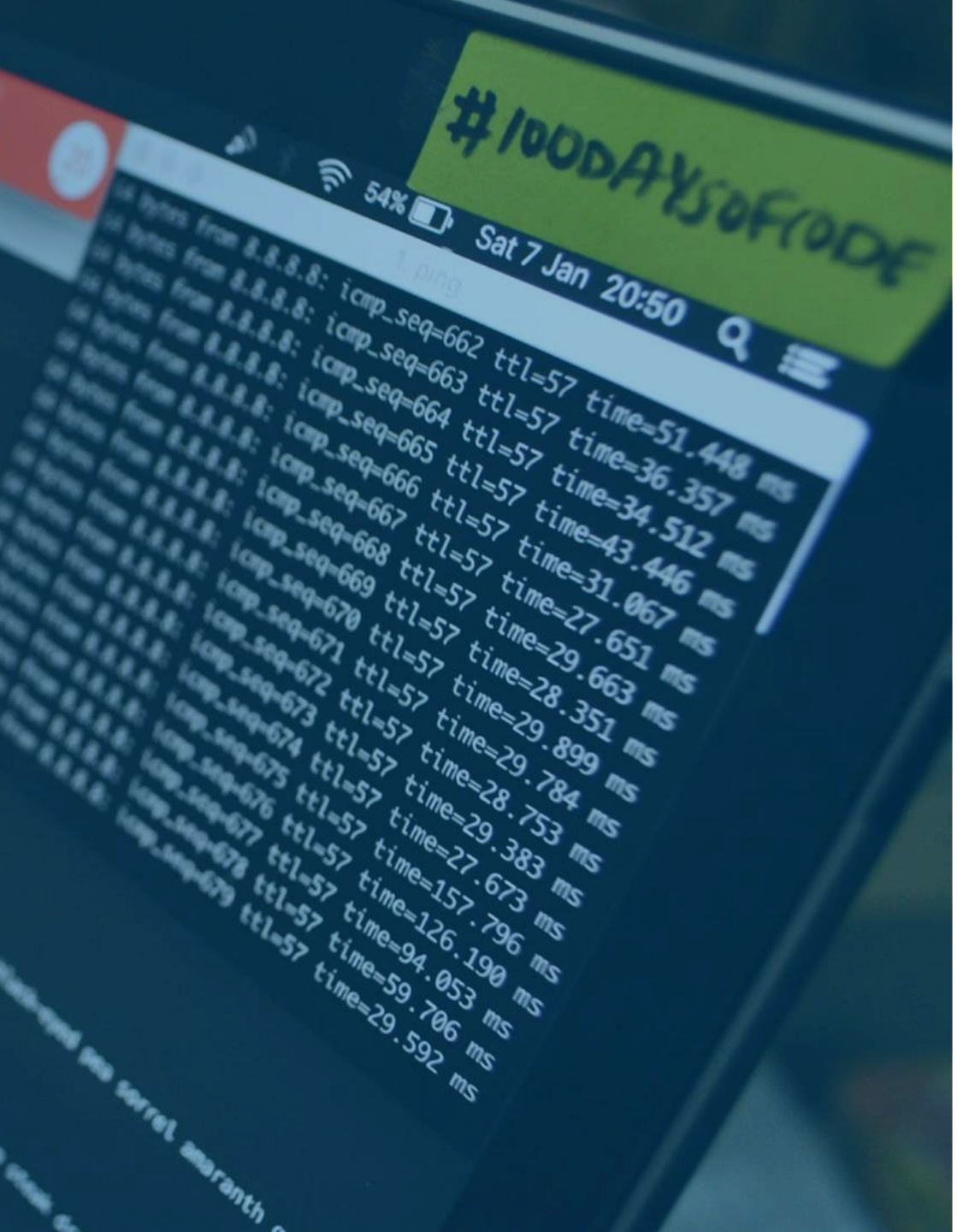
03

No Facebook account

Wanted to ensure that having a Facebook account was not a requirement

You should do this too!

- See all your BGP sessions in **one place**
- **Configure** new BGP sessions
- Everyone has a **PeeringDB** account, right?
- **PeeringDB OAuth** is easy to implement - it took us about a day
- **Others are using** PeeringDB Oauth too, such as IXP Manager and Peering Manager
- Automation **saves time!**



Components to do this

- Tool to **generate configs** per-peer
- **Automation** to push config
- System to **monitor** BGP session status
- Workflow engine to **coordinate** all steps
- **Landing page** for peers to request sessions

Industry Standard

01

PeeringDB Login

PeeringDB OAuth as the standard authentication service for peering

02

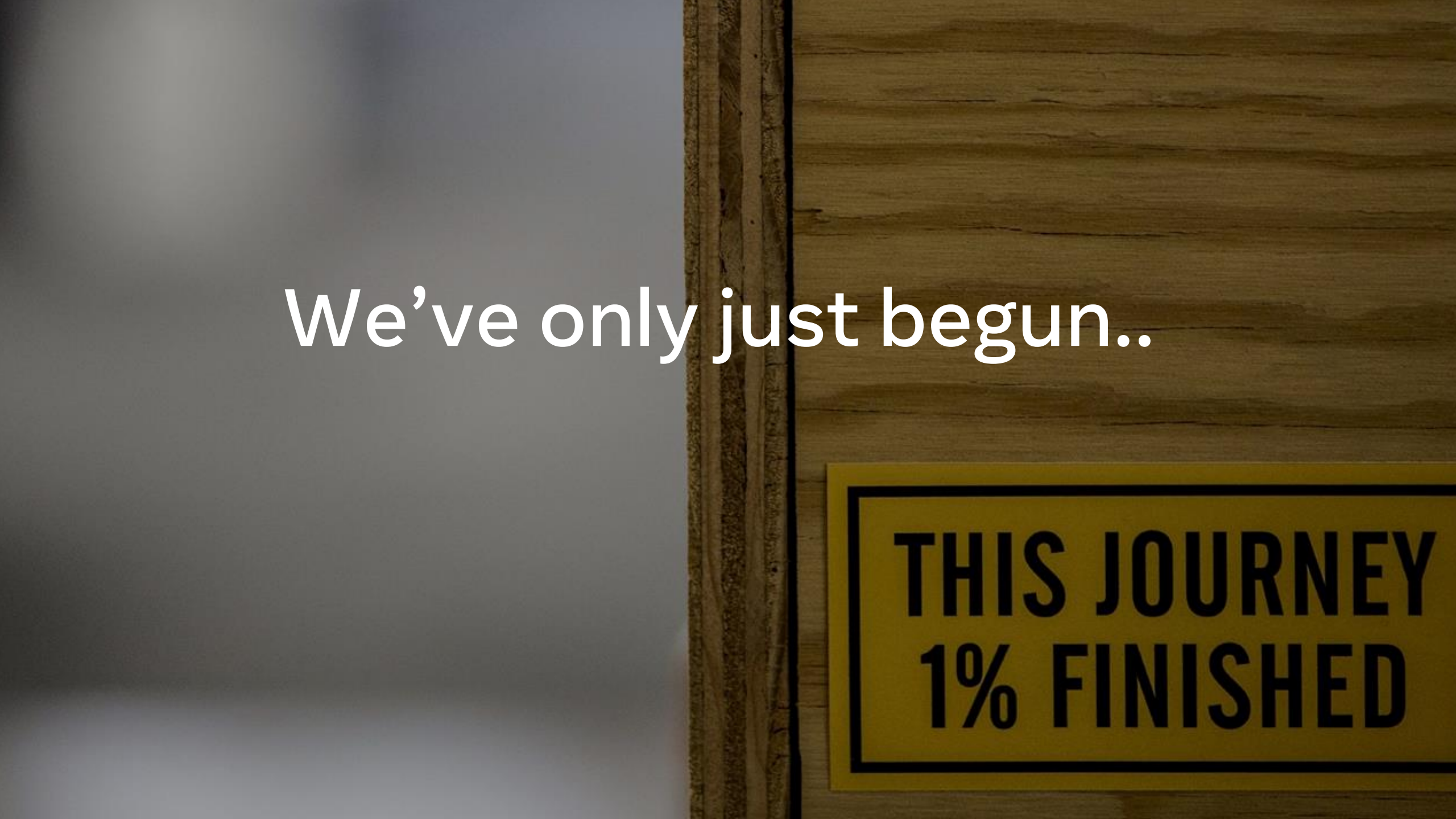
Open-Source Tools

Peering Manager, PeeringDB OAuth, PeeringDB Tools

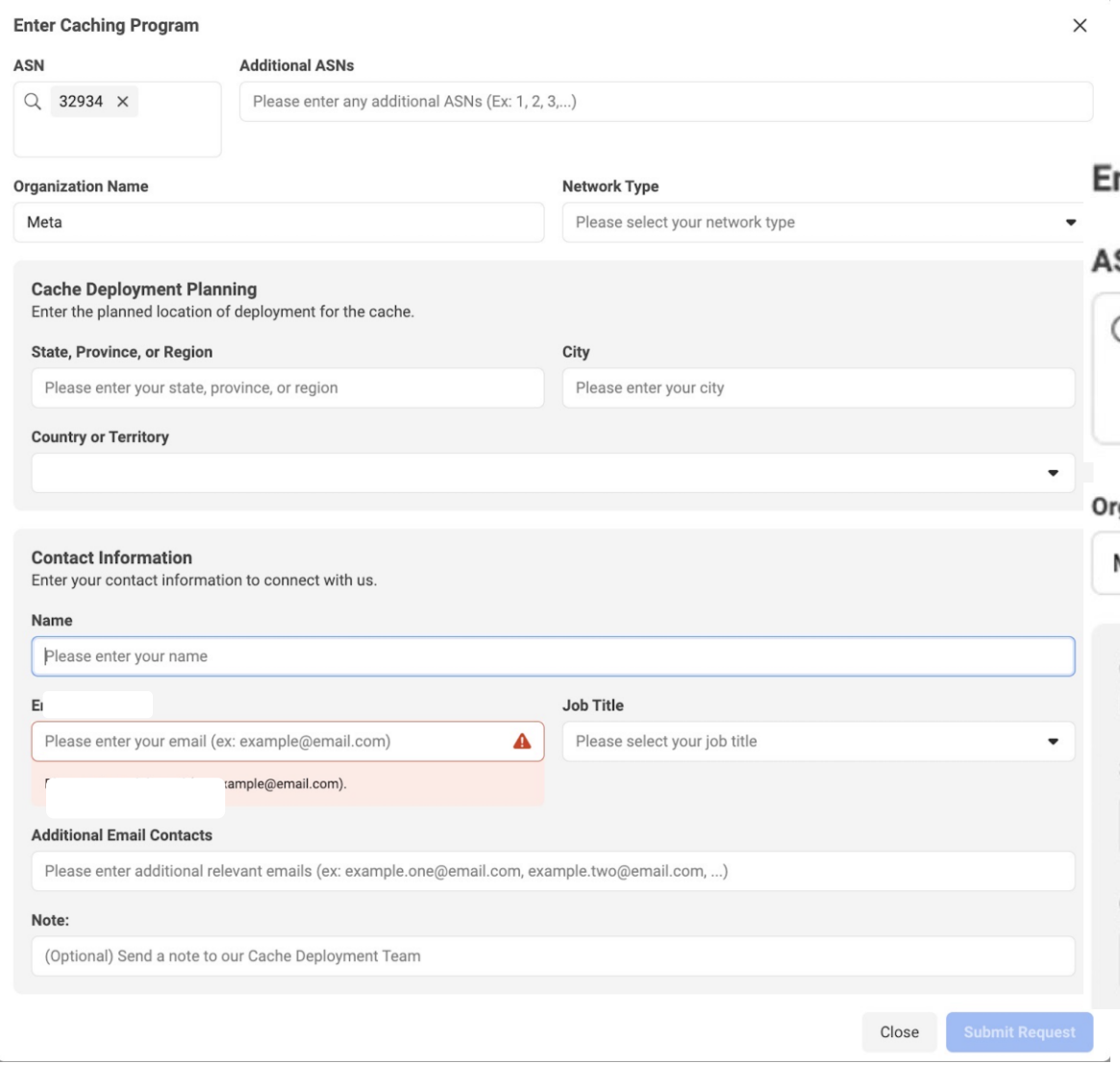
03

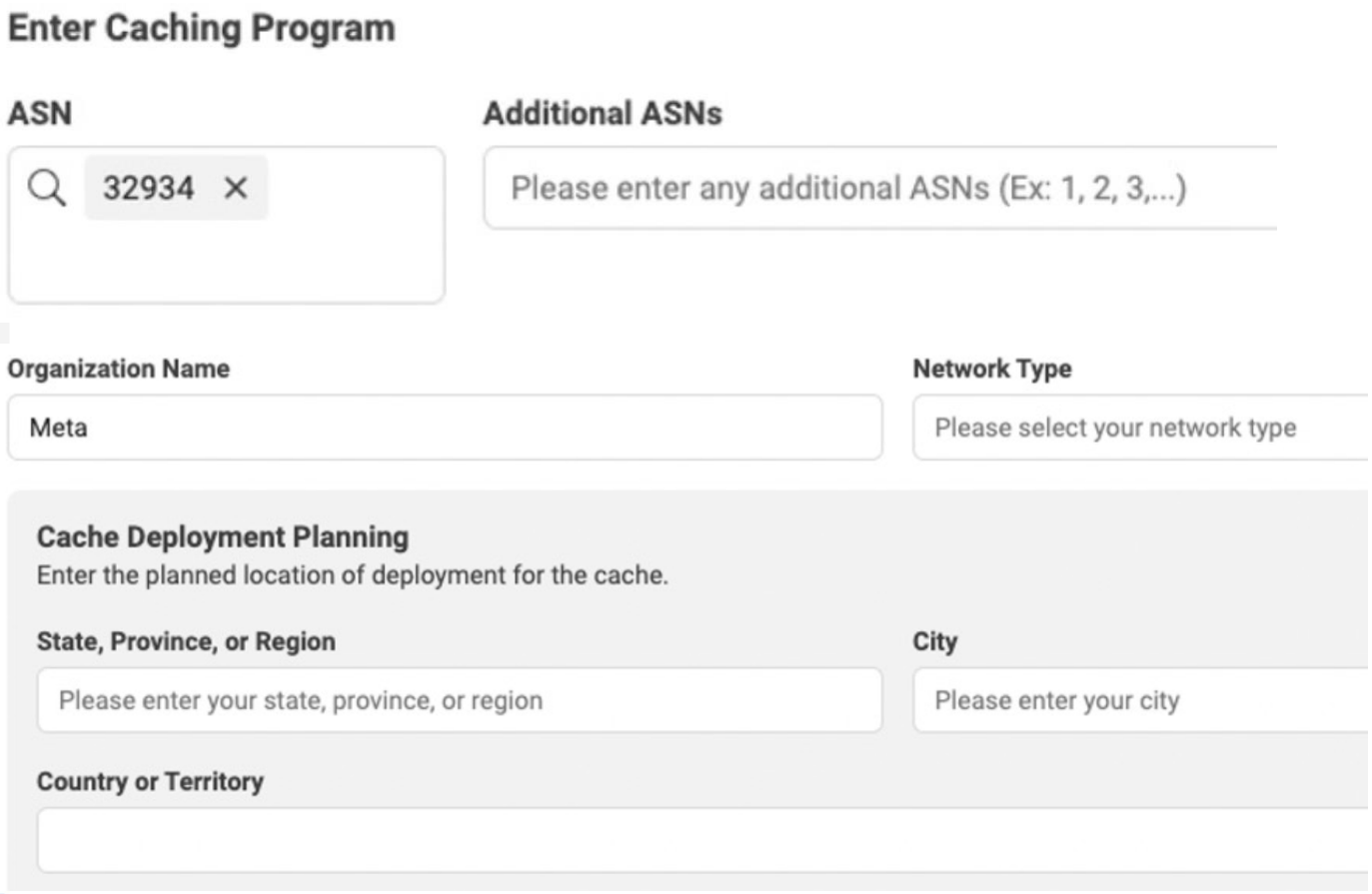
Programmatic API

Remove human element from routine peering requests.


We’ve only just begun..
THIS JOURNEY
1% FINISHED

Coming soon… FNA Requests!





facebook.com/peering

Questions?