A well-known BGP community to denote prefixes used for Anycast

draft-wilhelm-grow-anycast-community

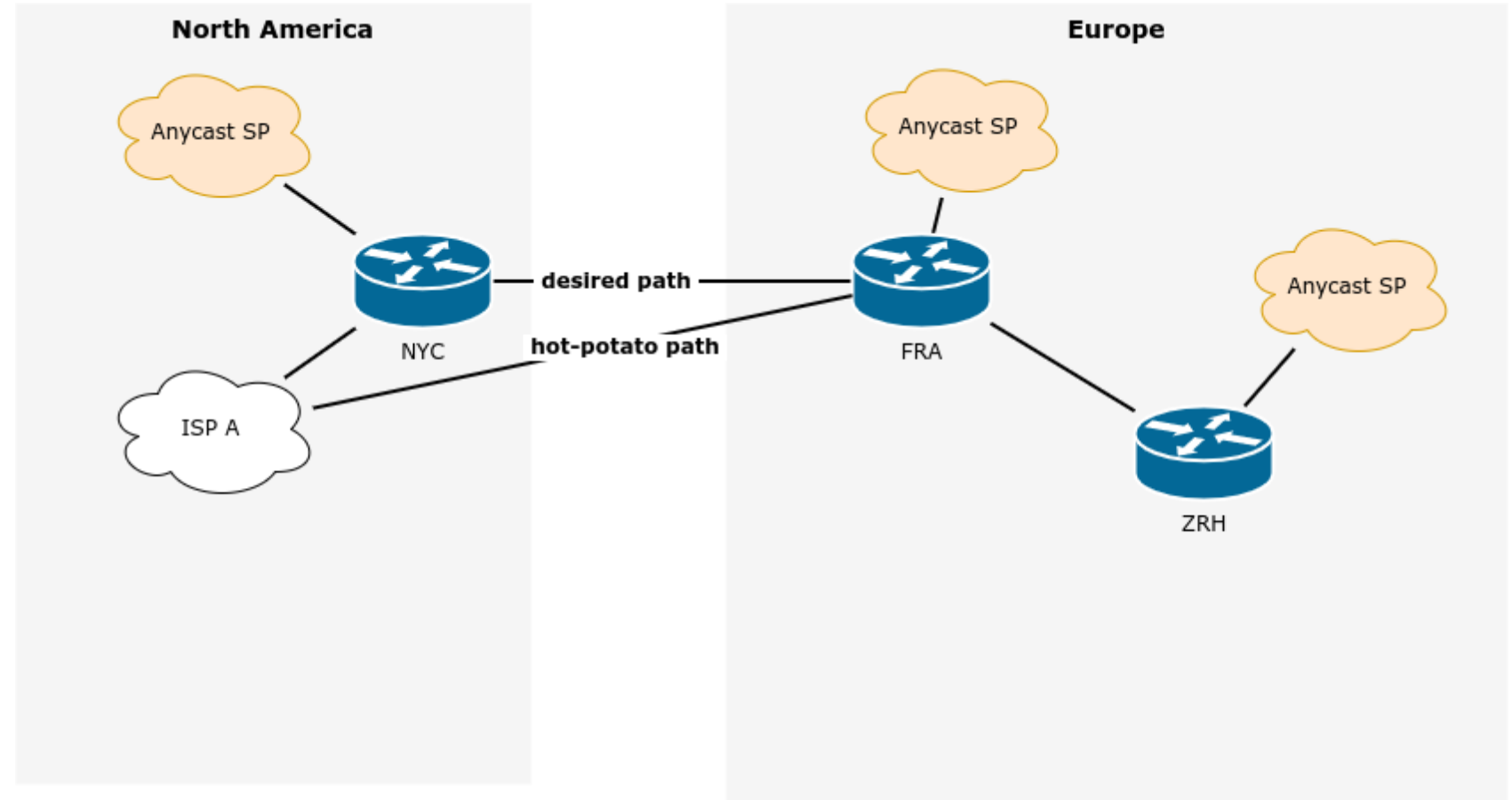DENOG 14

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Agenda

1. Motivation
2. Proposed solution
3. Status Quo
4. Questions

Motivation

Simplified topology

Motivation

Use cases

- Allow NSPs to denote which prefixes are used for anycast
- ISP can make well informed traffic engineering decisions based on that

Motivation

Solution

Proposed solution

Define well-known ANYCAST BGP community

- Denote that a prefix is carrying anycast traffic
- Operators MAY use this to always use hot-potato routing for those prefixes

All or nothing

- SPs SHOULD mark a prefix with ANYCAST in all place or not at all

IXPs

- Route Server operators MAY introduce option to filter for ANYCAST prefixes

iBGP RRs

- It might make sense to use ORR or AddPath to leverage ANYCAST community

Motivation

Solution

Status Quo

Status Quo

Version -02 of the Internet Draft publish

- https://datatracker.ietf.org/doc/draft-wilhelm-grow-anycast-community/

Adoption call open in IETF GROW WG

- Ends November 22th, 2022

Questions?