

draft-tsou-behave-ftp46-00

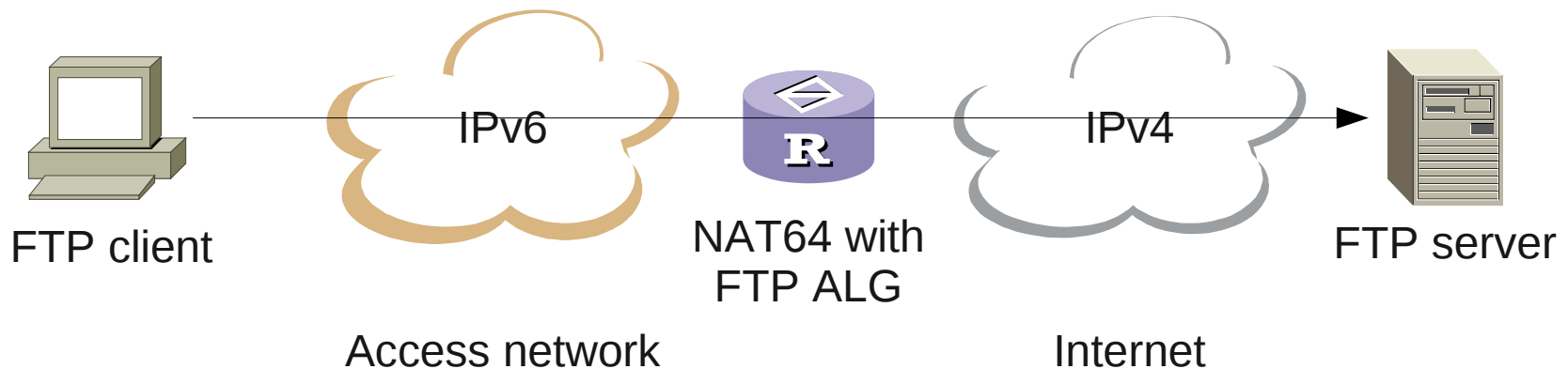
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BEHAVE meeting

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Introduction

- BEHAVE made RFC 6384
“An FTP Application Layer Gateway (ALG) for IPv6-to-IPv4 Translation”
- Use case considered:

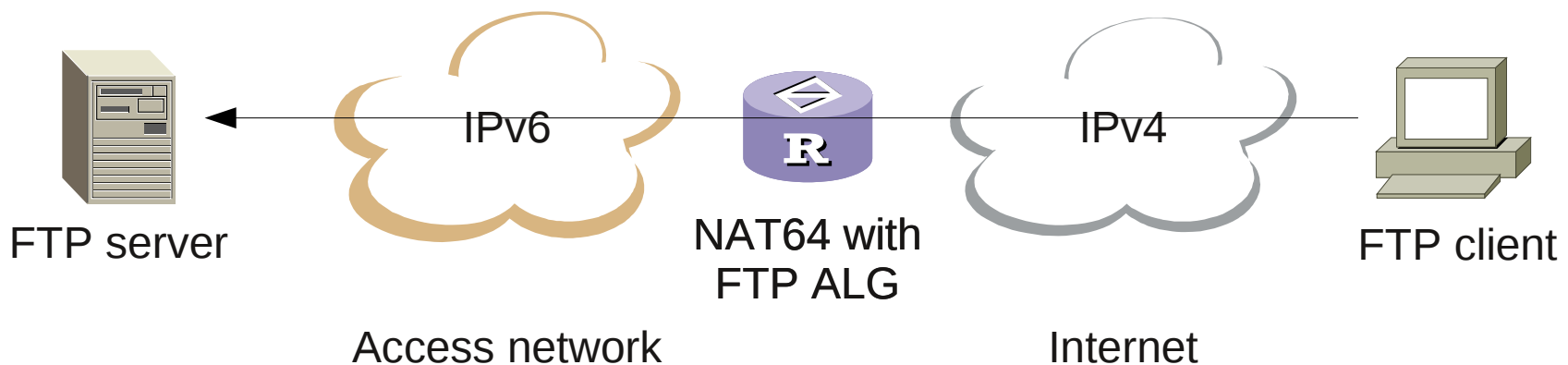


Problem

- Current situation:
 - IPv4-only ISP
 - Subscribers run IPv4-only FTP servers
- With NAT64:
 - Subscribers' FTP servers will become IPv6-only
 - Port redirection on NAT64 allows incoming connections to FTP servers (out of scope)
- Problem:
 - NAT64 FTP ALG does not work in this direction

Problem

- Existing NAT64 FTP ALG needs to be extended to handle IPv4-to-IPv6 connection establishment.
- Problem is encountered as part of the regular “IPv6 network to IPv4 Internet” deployment scenario.



When to activate the ALG?

- When external port is 21.
- Or when internal port is 21.
- Or when PCP requested external port is 21.
(even if PCP assigned a different port)
- Or as indicated by an out of band mechanism.
(web interface, proprietary signaling, etc.)

Our draft

- draft-tsou-behave-ftp46-00
- Specifies ALG behavior for the IPv4-to-IPv6 direction.
- Updates RFC 6384.
- Seems straightforward (to us, at least).

Next steps

- Please read and give us feedback!
- WG draft? AD sponsored? Individual?