

NFD - Feature #4903

ASF strategy should try an alternative path/s (if available) if a NACK is received

04/01/2019 09:08 PM - Saurab Dulal

Status:	New	Start date:	04/01/2019
Priority:	Normal	Due date:	
Assignee:	Saurab Dulal	% Done:	0%
Category:	Forwarding	Estimated time:	0.00 hour
Target version:			
Description			
Currently, ASF considers NACK as a timeout. It should instead try an alternative path if NACK is received.			

History

#1 - 04/01/2019 09:09 PM - Saurab Dulal

- Subject changed from ASF strategy should try alternative paths (if available) if a NACK is received. to ASF strategy should try an alternative path/s (if available) if a NACK is received.

#2 - 04/01/2019 09:09 PM - Saurab Dulal

- Assignee set to Saurab Dulal

#3 - 04/01/2019 11:11 PM - Davide Pesavento

- Tracker changed from Task to Feature

- Subject changed from ASF strategy should try an alternative path/s (if available) if a NACK is received. to ASF strategy should try an alternative path/s (if available) if a NACK is received

- Category set to Forwarding

#4 - 05/06/2019 02:52 PM - Ernest McCracken

I have implemented this though untested.

Some things to note:

- You don't want to retransmit indefinitely. There needs to a max retries.
- Don't retransmit NACK'd probes.

#5 - 05/10/2019 11:05 AM - Saurab Dulal

Ernest McCracken wrote:

I have implemented this though untested.

Some things to note:

- You don't want to retransmit indefinitely. There needs to a max retries.
- Don't retransmit NACK'd probes.

Do you have your code somewhere?

Also, I have some question regarding max retries and NACK'd probes. I will ask you over the meeting and will post it here afterward.

#6 - 07/29/2019 10:34 AM - Ernest McCracken

Strange I did not get notified of your response.

We do have code but I will have to make sure it can be shown.

Also we modified our design of this. We removed the hop by hop retry on NACK because more thought needs to be had on consequences of intermediate hops doing retransmission.

Instead for now when the client retransmits an interest we ignore NACK's faces.