

repo-ng - Bug #1574

WriteHandle doesn't send interest for single insert

05/02/2014 11:15 AM - Alex Afanasyev

Status:	Closed	Start date:	05/02/2014
Priority:	Normal	Due date:	
Assignee:	Shuo Chen	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	sqlite3		

Description

When running ndnputfile with -s option, no Interests arrive and app stops with error that insert command check failed with 404. NFD, ndnputfile and repo are all run on the same machine.

ndnputfile -s is used to put data into repo. The command line may like: ndnputfile -s /example/repo/1 /example/data/1/testfile testfile

On the ndnputfile side, ndnputfile will first express command and then setInterestFilter of /example/data/1/testfile.

On the repo side, repo will first response the command and then send interest of /example/data/1/testfile

The NFD log shows that, nfd first receives interest of /example/data/1/testfile and then add nexthop of /example/data/1/testfile.

If some delay of sending interest is put, the ndnputfile works well.

So I think that the nfd cannot control these things in right order and the client cannot get information from nfd to arrange this sequence.

History

#1 - 05/20/2014 08:02 PM - Shuo Chen

- Status changed from New to In Progress

NFD, ndnputfile and repo are all run on the same machine.

ndnputfile -s is used to put data into repo. The command line may like:
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On the ndnputfile side, ndnputfile will first express command and then setInterestFilter of /example/data/1/testfile.

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If some delay of sending interest is put, the ndnputfile works well.

So I think that the nfd cannot control these things in right order and the client cannot get information from nfd to arrange this sequence.

#2 - 05/20/2014 08:29 PM - Junxiao Shi

ndnputfile should ensure that prefix registration is completed before repo can start retrieving the Data.

As I can see in repo-ng commit 91fb4f2e5067d2fd6a591d885353a449bc65b399, ndnputfile sends the insert command after prefix registration is successful.

At this point, FIB entry should be installed in NFD already.

If it's not, it's likely a problem in either NFD or RIB daemon.

#3 - 05/20/2014 08:43 PM - Shuo Chen

- Description updated

#4 - 05/20/2014 10:47 PM - Shuo Chen

Is necessary to add interest retransmission for single insertion to resolve this bug? Besides, interest retransmission is a necessary feature for repo.

Junxiao Shi wrote:

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#5 - 05/21/2014 06:09 PM - Junxiao Shi

We need to find the root cause of why FIB add-nexthop arrives after repo-ng sends the data-retrieving Interest.

#6 - 05/21/2014 08:31 PM - Shuo Chen

Single insertion works after updating new ndn-cxx and nfd... I don't know why.

Junxiao Shi wrote:

We need to find the root cause of why FIB add-nexthop arrives after repo-ng sends the data-retrieving Interest.

#7 - 05/21/2014 10:13 PM - Alex Afanasyev

Can you nail down the specific version of NFD and ndn-cxx which has the problem?

#8 - 06/19/2014 08:10 PM - Shuo Chen

- *Status changed from In Progress to Resolved*

- *% Done changed from 0 to 90*

Long time has passed. I have forgotten the cause of this problem... But, anyway, it is resolved.

#9 - 06/08/2017 09:50 AM - Junxiao Shi

- *Tracker changed from Task to Bug*

- *Status changed from Resolved to Closed*

- *% Done changed from 90 to 100*