

NFD - Task #2456

Simplify nfd-status using SegmentFetcher

01/31/2015 02:47 PM - Alex Afanasyev

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:	Yukai Tu	% Done:	100%
Category:	Tools	Estimated time:	6.00 hours
Target version:	v0.4		
Description			
The code of nfd-status can be simplified by using SegmentFetcher from the library.			

History

#1 - 02/02/2015 01:03 AM - Teng Liang

- Assignee set to Teng Liang

#2 - 02/16/2015 02:32 PM - Junxiao Shi

- Estimated time set to 6.00 h

#3 - 05/24/2015 08:25 AM - Yukai Tu

- Status changed from New to In Progress

- Assignee changed from Teng Liang to Yukai Tu

In SegmentFetcher, if data without finalBlockId, it will emit next Interest. In NfdStatus::fetchVersionInformation(), NfdStatus emit "/localhost/nfd/status", but statusServer doesn't have publisher, which means it can't set finalBlockId in Data, and it doesn't have second data. So it will fail to fetch "/localhost/nfd/status". Add setFinalBlockId in statusServer can solve the problem. Other fetch can be rewritten using SegmentFetcher successfully.

#4 - 05/25/2015 12:40 PM - Junxiao Shi

[ForwarderStatus](#) is not [StatusDataset](#), so fetching it is a simple Interest, not SegmentFetcher.

#5 - 05/25/2015 06:47 PM - Yukai Tu

So we don't rewrite NfdStatus::fetchVersionInformation() using SegmentFetcher, just express one Interest?

#6 - 05/25/2015 07:06 PM - Junxiao Shi

note-5 is correct. SegmentFetcher is only applicable to [StatusDataset](#).

#7 - 05/25/2015 08:37 PM - Yukai Tu

- File nfd-status.cpp added

- Status changed from In Progress to Code review

- % Done changed from 0 to 80

I have tested and it works, for you to review.

#8 - 05/25/2015 08:39 PM - Junxiao Shi

Please submit a patchset to Gerrit for review.

#9 - 06/27/2015 09:36 AM - Junxiao Shi

- File 20150627154553.tgz added

- Subject changed from Rewrite/simplify nfd-status using SegmentFetcher to Simplify nfd-status using SegmentFetcher

#10 - 06/29/2015 12:36 PM - Junxiao Shi

- File 20150629175143.tgz added

- Status changed from Code review to Closed

- % Done changed from 80 to 100

#11 - 07/01/2015 09:43 AM - Alex Afanasyev

- Description updated

#12 - 08/04/2015 12:11 PM - Lan Wang

Why isn't validation done in the code?

#13 - 08/05/2015 09:56 AM - Junxiao Shi

Why isn't validation done in the code?

SegmentFetcher validation API is incomplete, see [#2734](#).

There isn't a solution for how to obtain NFD's public key.

It should be an out-of-band method, such as reading from a file (owned by root, 0644 permission).

Files

nfd-status.cpp	27.8 KB	05/26/2015	Yukai Tu
20150627154553.tgz	131 KB	06/27/2015	Junxiao Shi
20150629175143.tgz	135 KB	06/29/2015	Junxiao Shi