

ndnSIM - Bug #2783

ndn-link-control-helper does not seem to control the desired link

05/04/2015 06:59 AM - ☐☐ ☐

Status:	Closed	Start date:	05/04/2015
Priority:	Normal	Due date:	
Assignee:	Spyros Mastorakis	% Done:	100%
Category:	helpers	Estimated time:	0.00 hour
Target version:	2.0		
Description			
When I use this helper in my experiment to simulate link failure, like "Simulator::Schedule(Seconds(10.0), ndn::LinkControlHelper::FailLinkByName, "R4", "R2");" I find this would fail all the link connected to R4, not just the link between R2 and R4. ☐The topo and result are shown in the attachment, I use broadcast strategy☐			

History

#1 - 05/04/2015 10:06 AM - Spyros Mastorakis

- Subject changed from *ndn-link-control-helper can't work well* to *ndn-link-control-helper does not seem to control the desired link*

Hello,

may I have the code for your simulation scenario, so that I can reproduce the issue?

#2 - 05/04/2015 06:03 PM - ☐☐ ☐

- File *ndn-simple-test.cc* added

The test code is in the attachment. I modified *ndn-simple.cpp*. At line 68-76 are the link control code. When I run it, failure the link between 2-4 and 4-2 shows different result. And the topo don't have link 2-3, but when i fail the link between 2-3 and 3-2, I got different result too.

So i guess the link control function may failure all the link connected to the first node.

#3 - 05/04/2015 06:22 PM - Spyros Mastorakis

- Status changed from *New* to *In Progress*

- Assignee set to *Spyros Mastorakis*

Thanks for the scenario. I will take a look at it and report back.

#4 - 05/28/2015 10:51 PM - Spyros Mastorakis

- Status changed from *In Progress* to *Code review*

- % Done changed from 0 to 90

I am sorry for the delay. There was indeed a bug in link control helper that was fixed.

Here is the commit fixing the bug:

<http://gerrit.named-data.net/#/c/2070/>

Thank you for reporting it!

#5 - 05/29/2015 10:29 AM - Alex Afanasyev

- Status changed from *Code review* to *Resolved*

Before closing, this issue requires a test case...

#6 - 07/27/2015 07:36 PM - Spyros Mastorakis

- Status changed from *Resolved* to *Closed*

- % Done changed from 90 to 100

Files

Link_Failure.png	16.2 KB	05/04/2015	📄 📄
ndn-simple-test.cc	3.2 KB	05/05/2015	📄 📄