NLSR - Task #1827

Clarify README and correct the usage message from NLSR

08/06/2014 09:20 AM - A K M Mahmudul Hoque

Status:	Closed		**Start date:**	08/06/2014
Priority:	Normal		**Due date:**	
Assignee:	A K M Mahmudul Hoque		**% Done:**	90%
Category:			**Estimated time:**	0.00 hour
Target version:				
Description				

History

#1 - 08/06/2014 09:38 AM - Syed Amin

Don't forget to add protoc-compiler in the steps of installing protoc.

#2 - 08/06/2014 09:55 AM - A K M Mahmudul Hoque

Obaid,

Can you tell us how did you do in your machine? I mean install protoc

#3 - 08/06/2014 10:05 AM - Syed Amin

On linux, if you are not building protobuf from sources then installing "libprotobuf-dev" doesn't install protoc compiler. Therefore I suggested to change the following line in INSTALL.md:

```
sudo apt-get install libprotobuf-dev
```

to:

```
sudo apt-get install libprotobuf-dev protobuf-compiler
```

#4 - 08/06/2014 10:06 AM - A K M Mahmudul Hoque

Okay thats great

#5 - 08/10/2014 07:01 AM - A K M Mahmudul Hoque

- Status changed from New to Code review

- % Done changed from 0 to 90

Here is the conversation of email to start this issue

> Hi Obaid,
> On Tue, 2014-08-05 at 11:45 -0500, Syed Obaid Amin wrote:
> Hi Salvatore,
>
> Here is a brief history that maybe of interest to you. nlsr for ccnx
> can be controlled by CLI or remotely. It does so by listening on a
> port on which it accepts commands and process them. The '-p ' switch was introduced to change the default port on which it
> listens for this.
>
> thank you a lot for pointing this out, I will keep it in mind if I need
> this functionality.
> nlsr for nfd doesn't support this feature. The consensus was to use
> Interest/Data model for the communication between nfd and routing
> protocols(like nlsr). Plus, this functionality should be provided to
> all routing protocols (not just nlsr).
> That's on track and I'm agree with it.
> As a result, we added two new commands, advertise and withdraw in
> the RibManager, which will allow to specify the routing protocol for
> disseminating the name prefixes. However, these commands are not
> supported yet.
>
> I hope that they will grow out soon. Thank you a lot for the history.

Best,
Salvo

Regards,
Obaid

On Tue, Aug 5, 2014 at 9:43 AM, Salvatore Signorello
unict.signorello@gmail.com wrote:
Thank you both,

> I'm looking at the following documentation to get know the RIB
> management
> http://redmine.named-data.net/projects/nfd/wiki/Management
> , if you want to point me more resources, I would be glad.
>
> If I grep the NFD main directory looking for 'advertise', I
> find no
> trace of this command, where should it be?
>
> Best,
> Salvo
> On Tue, 2014-08-05 at 06:55 -0700, Junxiao Shi wrote:
> > Hi Hoque
> >
> > Instead of opening an "API client port", I suggest NLSR to
> use an
> > Interest-Data based protocol.
> >
> > NFD RIB Management protocol contains "advertise" and
> "unadvertise"
> > commands that are probably related to this purpose.
> >
> > Yours, Junxiao
> >
> > On Aug 5, 2014 6:51 AM, "A K M Mahmudul Hoque (ahoque1)"
> > <ahoque1@memphis.edu> wrote:
> > > - as option for launching the nlsr daemon they provide
> '-p' to
> > specify
> > > > the "port where api client will connect" (nlsr's usage
> output). I
> > looked
> > > > at the code, but I'm not able to find out if they've
> already
> > > > implemented/used this functionality. Could you please
> provide me
> > any
> > > > hint about its aim/meaning?
> > >
> > >
> > > --- It will be implemented in future. The aim of this one
> to tell
> > NLSR to advertise prefix,
> > > --- or even adding neighbors without taking down NLSR. Not
> only that
> > this API can be
> > > --- used to remove old prefixes link that are no longer
> valid. The
> > objective is to do those
> > > --- things without taking shutting down NLSR
> >

> _____
> Ndn-interest mailing list
> Ndn-interest@lists.cs.ucla.edu
> http://www.lists.cs.ucla.edu/mailman/listinfo/ndn-interest

#6 - 08/11/2014 09:45 AM - A K M Mahmudul Hoque

- Status changed from Code review to Closed