

ndn-tools - Feature #2670

wscript: build a subset of tools

03/23/2015 11:29 AM - Junxiao Shi

Status: Closed	Start date: 05/23/2015
Priority: Normal	Due date:
Assignee: Shock Jiang	% Done: 100%
Category:	Estimated time: 2.00 hours
Target version:	
Description During ./waf configure, allow selecting a subset of tools. For every tool, wscript should automatically define --enable-X option and --disable-X option, where X is the directory name for the tool. The semantics of those options is: <ul style="list-style-type: none">• If any --enable-* option is used, only those tools specified by --enable-* options are selected.• If no --enable-* option is used, all tools excepted those specified by --disable-* options are selected.• It's an error to specify both --enable-X and --disable-X for tool X. Dependency detection for deselected tools should be skipped. Unit testing for deselected tools should not be built.	
Related issues: Related to ndn-tools - Task #2692: Import ndndump Closed Blocked by ndn-tools - Task #2795: Introduce unit testing Closed	

History

#1 - 05/10/2015 02:43 PM - Junxiao Shi

- Assignee changed from Junxiao Shi to Shock Jiang

#2 - 05/19/2015 03:17 PM - Junxiao Shi

- Related to Task #2692: Import ndndump added

#3 - 05/25/2015 09:45 AM - Shock Jiang

- Status changed from New to In Progress

- Start date set to 05/23/2015

#4 - 06/27/2015 01:43 PM - Junxiao Shi

- Blocked by Task #2795: Introduce unit testing added

#5 - 06/27/2015 01:43 PM - Junxiao Shi

I feel the --enable-X and --disable-X combination is too complex, and the help messages associated with those configuration options cannot clearly convey the select/deselect logic.

What about the alternate design:

- Declare a single command line option: --enable-tools=X,Y,Z.
- The argument to this command line option is a comma-separated list where each token is the directory name of a tool.
- The help message should display the full list.
- When this option is specified, only those tools appearing in the list are selected, and all other tools are deselected.
- When this option is omitted, all tools are selected.

Also, when a tool is deselected, its unit testing should not be built. Therefore, this Feature is blocked by [#2795](#).

#6 - 06/27/2015 04:34 PM - Shock Jiang

this is not big difference as I can see. I prefer to stick on the commonly used way, enable-X, disable-X, which seems more explicit.

#7 - 06/27/2015 05:08 PM - Junxiao Shi

- *Description updated*

#8 - 07/06/2015 12:12 PM - Junxiao Shi

commit:4e99475245535b63b569e89e786c5a2e7b3e00a2 correctly implements the selection of programs and test suites.

However, all manpages are built regardless of the selections.

Since we placed all manpages in the same directory, I can't think of a feasible solution to select which manpages to build.

#9 - 07/07/2015 10:21 AM - Junxiao Shi

I have tested commit:331784dd439c5526c72373f2dd610167de7d0659 with below configure lines.
All configure lines are working correctly.

`./waf configure --enable-ping --disable-ping`

Expected: error

`./waf configure --disable-ping --enable-ping`

Expected: error

`./waf configure --enable-ping`

Expected: no libpcap detection; build ping

`./waf configure --disable-dump`

Expected: no libpcap detection; do not build dump

`./waf configure --with-tests --enable-ping`

Expected: build unit testing for ping

`./waf configure --with-tests --disable-ping`

Expected: do not build unit testing for ping

`./waf configure --with-tests --enable-dump`

Expected: do not build unit testing for ping

`./waf configure --with-tests`

Expected: build all tools; build unit testing for ping

#10 - 07/11/2015 04:17 PM - Junxiao Shi

- *Status changed from In Progress to Closed*

- *% Done changed from 0 to 100*