

Using username "ubuntu".

Authenticating with public key "imported-openssh-key"

Passphrase for key "imported-openssh-key":

Welcome to Ubuntu 16.04.6 LTS (GNU/Linux 4.4.0-1087-aws x86_64)

* Documentation: <https://help.ubuntu.com>

* Management: <https://landscape.canonical.com>

* Support: <https://ubuntu.com/advantage>

0 packages can be updated.

0 updates are security updates.

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".

See "man sudo_root" for details.

ubuntu@ip-172-31-22-163:~\$ sudo apt install git

Reading package lists... Done

Building dependency tree

Reading state information... Done

git is already the newest version (1:2.7.4-0ubuntu1.6).

0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.

ubuntu@ip-172-31-22-163:~\$ git clone https://github.com/Boyoung-/3pc-dpforam.git

Cloning into '3pc-dpforam'...

remote: Enumerating objects: 540, done.

remote: Total 540 (delta 0), reused 0 (delta 0), pack-reused 540

Receiving objects: 100% (540/540), 16.61 MiB | 20.70 MiB/s, done.

Resolving deltas: 100% (357/357), done.

Checking connectivity... done.

ubuntu@ip-172-31-22-163:~\$ cd

3pc-dpforam/ .cache/ .ssh/

ubuntu@ip-172-31-22-163:~\$ cd 3pc-dpforam/

ubuntu@ip-172-31-22-163:~/3pc-dpforam\$./setup.sh

Hit:1 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial InRelease

Get:2 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-updates InRelease [109 kB]
Get:3 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-backports InRelease [107 kB]
Get:4 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial/universe amd64 Packages [7,532 kB]
Get:5 <http://security.ubuntu.com/ubuntu> xenial-security InRelease [109 kB]
Get:6 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial/universe Translation-en [4,354 kB]
Get:7 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial/multiverse amd64 Packages [144 kB]
Get:8 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial/multiverse Translation-en [106 kB]
Get:9 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-updates/main amd64 Packages [1,033 kB]
Get:10 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-updates/main Translation-en [402 kB]
Get:11 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-updates/universe amd64 Packages [764 kB]
Get:12 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-updates/universe Translation-en [320 kB]
Get:13 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-updates/multiverse amd64 Packages [16.7 kB]
Get:14 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-updates/multiverse Translation-en [8,440 B]
Get:15 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-backports/main amd64 Packages [7,280 B]
Get:16 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-backports/main Translation-en [4,456 B]
Get:17 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-backports/universe amd64 Packages [8,064 B]
Get:18 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-backports/universe Translation-en [4,328 B]
Get:19 <http://security.ubuntu.com/ubuntu> xenial-security/main amd64 Packages [748 kB]
Get:20 <http://security.ubuntu.com/ubuntu> xenial-security/main Translation-en [291 kB]
Get:21 <http://security.ubuntu.com/ubuntu> xenial-security/universe amd64 Packages [458 kB]
Get:22 <http://security.ubuntu.com/ubuntu> xenial-security/universe Translation-en [187 kB]
Get:23 <http://security.ubuntu.com/ubuntu> xenial-security/multiverse amd64 Packages [5,596 B]

Get:24 <http://security.ubuntu.com/ubuntu> xenial-security/multiverse Translation-en [2,676 B]

Fetches 16.7 MB in 3s (4,951 kB/s)

Reading package lists... Done

Building dependency tree

Reading state information... Done

64 packages can be upgraded. Run 'apt list --upgradable' to see them.

Reading package lists... Done

Building dependency tree

Reading state information... Done

The following additional packages will be installed:

binutils cmake-data cpp cpp-5 g++-5 gcc gcc-5 libarchive13 libasan2 libatomic1 libc-dev-bin libc6-dev libcc1-0 libcilkrts5 libcurl3 libgcc-5-dev libgomp1

libisl15 libitm1 libjsoncpp1 liblsan0 libmpc3 libmpx0 libquadmath0 libssl-doc libstdc++-5-dev libtsan0 libubsan0 linux-libc-dev make manpages-dev zlib1g-dev

Suggested packages:

binutils-doc codeblocks eclipse ninja-build cpp-doc gcc-5-locales g++-multilib g++-5-multilib gcc-5-doc libstdc++6-5-dbg gcc-multilib autoconf automake

libtool flex bison gdb gcc-doc gcc-5-multilib libgcc1-dbg libgomp1-dbg libitm1-dbg

libatomic1-dbg libasan2-dbg liblsan0-dbg libtsan0-dbg libubsan0-dbg

libcilkrts5-dbg libmpx0-dbg libquadmath0-dbg lrzip glibc-doc libstdc++-5-doc make-doc

The following NEW packages will be installed:

binutils cmake cmake-data cpp cpp-5 g++ g++-5 gcc gcc-5 libarchive13 libasan2 libatomic1 libc-dev-bin libc6-dev libcc1-0 libcilkrts5 libcurl3 libgcc-5-dev

libgomp1 libisl15 libitm1 libjsoncpp1 liblsan0 libmpc3 libmpx0 libquadmath0 libssl-dev

libssl-doc libstdc++-5-dev libtsan0 libubsan0 linux-libc-dev make

manpages-dev zlib1g-dev

0 upgraded, 35 newly installed, 0 to remove and 64 not upgraded.

Need to get 44.0 MB of archives.

After this operation, 172 MB of additional disk space will be used.

Get:1 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-updates/main amd64 cmake-data all 3.5.1-1ubuntu3 [1,121 kB]

Get:2 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-updates/main amd64 libarchive13 amd64 3.1.2-1ubuntu0.16.04.6 [262 kB]

Get:3 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-updates/main amd64 libcurl3 amd64 7.47.0-1ubuntu2.14 [186 kB]

Get:4 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial/main amd64 libjsoncpp1 amd64 1.7.2-1 [73.0 kB]

Get:5 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-updates/main amd64 cmake amd64 3.5.1-1ubuntu3 [2,623 kB]

Get:6 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial/main amd64 libmpc3 amd64 1.0.3-1 [39.7 kB]

Get:7 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-updates/main amd64 binutils
amd64 2.26.1-1ubuntu1~16.04.8 [2,312 kB]
Get:8 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial/main amd64 libisl15 amd64
0.16.1-1 [524 kB]
Get:9 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-updates/main amd64 cpp-5 amd64
5.4.0-6ubuntu1~16.04.11 [7,660 kB]
Get:10 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial/main amd64 cpp amd64
4:5.3.1-1ubuntu1 [27.7 kB]
Get:11 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-updates/main amd64 libcc1-0
amd64 5.4.0-6ubuntu1~16.04.11 [38.8 kB]
Get:12 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-updates/main amd64 libgomp1
amd64 5.4.0-6ubuntu1~16.04.11 [55.0 kB]
Get:13 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-updates/main amd64 libitm1
amd64 5.4.0-6ubuntu1~16.04.11 [27.4 kB]
Get:14 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-updates/main amd64 libatomic1
amd64 5.4.0-6ubuntu1~16.04.11 [8,896 B]
Get:15 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-updates/main amd64 libasan2
amd64 5.4.0-6ubuntu1~16.04.11 [264 kB]
Get:16 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-updates/main amd64 liblsan0
amd64 5.4.0-6ubuntu1~16.04.11 [105 kB]
Get:17 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-updates/main amd64 libtsan0
amd64 5.4.0-6ubuntu1~16.04.11 [244 kB]
Get:18 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-updates/main amd64 libubsan0
amd64 5.4.0-6ubuntu1~16.04.11 [95.4 kB]
Get:19 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-updates/main amd64 libcilkrts5
amd64 5.4.0-6ubuntu1~16.04.11 [40.1 kB]
Get:20 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-updates/main amd64 libmpx0
amd64 5.4.0-6ubuntu1~16.04.11 [9,748 B]
Get:21 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-updates/main amd64
libquadmath0 amd64 5.4.0-6ubuntu1~16.04.11 [131 kB]
Get:22 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-updates/main amd64
libgcc-5-dev amd64 5.4.0-6ubuntu1~16.04.11 [2,229 kB]
Get:23 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-updates/main amd64 gcc-5
amd64 5.4.0-6ubuntu1~16.04.11 [8,417 kB]
Get:24 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial/main amd64 gcc amd64
4:5.3.1-1ubuntu1 [5,244 B]
Get:25 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-updates/main amd64 libc-dev-bin
amd64 2.23-0ubuntu11 [68.5 kB]
Get:26 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-updates/main amd64
linux-libc-dev amd64 4.4.0-164.192 [833 kB]
Get:27 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-updates/main amd64 libc6-dev
amd64 2.23-0ubuntu11 [2,086 kB]

Get:28 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-updates/main amd64
libstdc++-5-dev amd64 5.4.0-6ubuntu1~16.04.11 [1,426 kB]
Get:29 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-updates/main amd64 g++-5
amd64 5.4.0-6ubuntu1~16.04.11 [8,310 kB]
Get:30 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial/main amd64 g++ amd64
4:5.3.1-1ubuntu1 [1,504 B]
Get:31 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-updates/main amd64 zlib1g-dev
amd64 1:1.2.8.dfsg-2ubuntu4.1 [168 kB]
Get:32 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-updates/main amd64 libssl-dev
amd64 1.0.2g-1ubuntu4.15 [1,344 kB]
Get:33 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial-updates/main amd64 libssl-doc
all 1.0.2g-1ubuntu4.15 [1,077 kB]
Get:34 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial/main amd64 make amd64 4.1-6
[151 kB]
Get:35 <http://us-west-2.ec2.archive.ubuntu.com/ubuntu> xenial/main amd64 manpages-dev all
4.04-2 [2,048 kB]
Fetched 44.0 MB in 0s (50.6 MB/s)
Extracting templates from packages: 100%
Selecting previously unselected package cmake-data.
(Reading database ... 51363 files and directories currently installed.)
Preparing to unpack .../cmake-data_3.5.1-1ubuntu3_all.deb ...
Unpacking cmake-data (3.5.1-1ubuntu3) ...
Selecting previously unselected package libarchive13:amd64.
Preparing to unpack .../libarchive13_3.1.2-11ubuntu0.16.04.6_amd64.deb ...
Unpacking libarchive13:amd64 (3.1.2-11ubuntu0.16.04.6) ...
Selecting previously unselected package libcurl3:amd64.
Preparing to unpack .../libcurl3_7.47.0-1ubuntu2.14_amd64.deb ...
Unpacking libcurl3:amd64 (7.47.0-1ubuntu2.14) ...
Selecting previously unselected package libjsoncpp1:amd64.
Preparing to unpack .../libjsoncpp1_1.7.2-1_amd64.deb ...
Unpacking libjsoncpp1:amd64 (1.7.2-1) ...
Selecting previously unselected package cmake.
Preparing to unpack .../cmake_3.5.1-1ubuntu3_amd64.deb ...
Unpacking cmake (3.5.1-1ubuntu3) ...
Selecting previously unselected package libmpc3:amd64.
Preparing to unpack .../libmpc3_1.0.3-1_amd64.deb ...
Unpacking libmpc3:amd64 (1.0.3-1) ...
Selecting previously unselected package binutils.
Preparing to unpack .../binutils_2.26.1-1ubuntu1~16.04.8_amd64.deb ...
Unpacking binutils (2.26.1-1ubuntu1~16.04.8) ...
Selecting previously unselected package libisl15:amd64.
Preparing to unpack .../libisl15_0.16.1-1_amd64.deb ...
Unpacking libisl15:amd64 (0.16.1-1) ...

Selecting previously unselected package cpp-5.
Preparing to unpack .../cpp-5_5.4.0-6ubuntu1~16.04.11_amd64.deb ...
Unpacking cpp-5 (5.4.0-6ubuntu1~16.04.11) ...
Selecting previously unselected package cpp.
Preparing to unpack .../cpp_4%3a5.3.1-1ubuntu1_amd64.deb ...
Unpacking cpp (4:5.3.1-1ubuntu1) ...
Selecting previously unselected package libcc1-0:amd64.
Preparing to unpack .../libcc1-0_5.4.0-6ubuntu1~16.04.11_amd64.deb ...
Unpacking libcc1-0:amd64 (5.4.0-6ubuntu1~16.04.11) ...
Selecting previously unselected package libgomp1:amd64.
Preparing to unpack .../libgomp1_5.4.0-6ubuntu1~16.04.11_amd64.deb ...
Unpacking libgomp1:amd64 (5.4.0-6ubuntu1~16.04.11) ...
Selecting previously unselected package libitm1:amd64.
Preparing to unpack .../libitm1_5.4.0-6ubuntu1~16.04.11_amd64.deb ...
Unpacking libitm1:amd64 (5.4.0-6ubuntu1~16.04.11) ...
Selecting previously unselected package libatomic1:amd64.
Preparing to unpack .../libatomic1_5.4.0-6ubuntu1~16.04.11_amd64.deb ...
Unpacking libatomic1:amd64 (5.4.0-6ubuntu1~16.04.11) ...
Selecting previously unselected package libasan2:amd64.
Preparing to unpack .../libasan2_5.4.0-6ubuntu1~16.04.11_amd64.deb ...
Unpacking libasan2:amd64 (5.4.0-6ubuntu1~16.04.11) ...
Selecting previously unselected package liblsan0:amd64.
Preparing to unpack .../liblsan0_5.4.0-6ubuntu1~16.04.11_amd64.deb ...
Unpacking liblsan0:amd64 (5.4.0-6ubuntu1~16.04.11) ...
Selecting previously unselected package libtsan0:amd64.
Preparing to unpack .../libtsan0_5.4.0-6ubuntu1~16.04.11_amd64.deb ...
Unpacking libtsan0:amd64 (5.4.0-6ubuntu1~16.04.11) ...
Selecting previously unselected package libubsan0:amd64.
Preparing to unpack .../libubsan0_5.4.0-6ubuntu1~16.04.11_amd64.deb ...
Unpacking libubsan0:amd64 (5.4.0-6ubuntu1~16.04.11) ...
Selecting previously unselected package libcilkrts5:amd64.
Preparing to unpack .../libcilkrts5_5.4.0-6ubuntu1~16.04.11_amd64.deb ...
Unpacking libcilkrts5:amd64 (5.4.0-6ubuntu1~16.04.11) ...
Selecting previously unselected package libmpx0:amd64.
Preparing to unpack .../libmpx0_5.4.0-6ubuntu1~16.04.11_amd64.deb ...
Unpacking libmpx0:amd64 (5.4.0-6ubuntu1~16.04.11) ...
Selecting previously unselected package libquadmath0:amd64.
Preparing to unpack .../libquadmath0_5.4.0-6ubuntu1~16.04.11_amd64.deb ...
Unpacking libquadmath0:amd64 (5.4.0-6ubuntu1~16.04.11) ...
Selecting previously unselected package libgcc-5-dev:amd64.
Preparing to unpack .../libgcc-5-dev_5.4.0-6ubuntu1~16.04.11_amd64.deb ...
Unpacking libgcc-5-dev:amd64 (5.4.0-6ubuntu1~16.04.11) ...
Selecting previously unselected package gcc-5.

Preparing to unpack .../gcc-5_5.4.0-6ubuntu1~16.04.11_amd64.deb ...
Unpacking gcc-5 (5.4.0-6ubuntu1~16.04.11) ...
Selecting previously unselected package gcc.
Preparing to unpack .../gcc_4%3a5.3.1-1ubuntu1_amd64.deb ...
Unpacking gcc (4:5.3.1-1ubuntu1) ...
Selecting previously unselected package libc-dev-bin.
Preparing to unpack .../libc-dev-bin_2.23-0ubuntu11_amd64.deb ...
Unpacking libc-dev-bin (2.23-0ubuntu11) ...
Selecting previously unselected package linux-libc-dev:amd64.
Preparing to unpack .../linux-libc-dev_4.4.0-164.192_amd64.deb ...
Unpacking linux-libc-dev:amd64 (4.4.0-164.192) ...
Selecting previously unselected package libc6-dev:amd64.
Preparing to unpack .../libc6-dev_2.23-0ubuntu11_amd64.deb ...
Unpacking libc6-dev:amd64 (2.23-0ubuntu11) ...
Selecting previously unselected package libstdc++-5-dev:amd64.
Preparing to unpack .../libstdc++-5-dev_5.4.0-6ubuntu1~16.04.11_amd64.deb ...
Unpacking libstdc++-5-dev:amd64 (5.4.0-6ubuntu1~16.04.11) ...
Selecting previously unselected package g++-5.
Preparing to unpack .../g++-5_5.4.0-6ubuntu1~16.04.11_amd64.deb ...
Unpacking g++-5 (5.4.0-6ubuntu1~16.04.11) ...
Selecting previously unselected package g++.
Preparing to unpack .../g++_4%3a5.3.1-1ubuntu1_amd64.deb ...
Unpacking g++ (4:5.3.1-1ubuntu1) ...
Selecting previously unselected package zlib1g-dev:amd64.
Preparing to unpack .../zlib1g-dev_1%3a1.2.8.dfsg-2ubuntu4.1_amd64.deb ...
Unpacking zlib1g-dev:amd64 (1:1.2.8.dfsg-2ubuntu4.1) ...
Selecting previously unselected package libssl-dev:amd64.
Preparing to unpack .../libssl-dev_1.0.2g-1ubuntu4.15_amd64.deb ...
Unpacking libssl-dev:amd64 (1.0.2g-1ubuntu4.15) ...
Selecting previously unselected package libssl-doc.
Preparing to unpack .../libssl-doc_1.0.2g-1ubuntu4.15_all.deb ...
Unpacking libssl-doc (1.0.2g-1ubuntu4.15) ...
Selecting previously unselected package make.
Preparing to unpack .../archives/make_4.1-6_amd64.deb ...
Unpacking make (4.1-6) ...
Selecting previously unselected package manpages-dev.
Preparing to unpack .../manpages-dev_4.04-2_all.deb ...
Unpacking manpages-dev (4.04-2) ...
Processing triggers for man-db (2.7.5-1) ...
Processing triggers for libc-bin (2.23-0ubuntu11) ...
Setting up cmake-data (3.5.1-1ubuntu3) ...
Setting up libarchive13:amd64 (3.1.2-11ubuntu0.16.04.6) ...
Setting up libcurl3:amd64 (7.47.0-1ubuntu2.14) ...

Setting up libjsoncpp1:amd64 (1.7.2-1) ...
Setting up cmake (3.5.1-1ubuntu3) ...
Setting up libmpc3:amd64 (1.0.3-1) ...
Setting up binutils (2.26.1-1ubuntu1~16.04.8) ...
Setting up libisl15:amd64 (0.16.1-1) ...
Setting up cpp-5 (5.4.0-6ubuntu1~16.04.11) ...
Setting up cpp (4:5.3.1-1ubuntu1) ...
Setting up libcc1-0:amd64 (5.4.0-6ubuntu1~16.04.11) ...
Setting up libgomp1:amd64 (5.4.0-6ubuntu1~16.04.11) ...
Setting up libitm1:amd64 (5.4.0-6ubuntu1~16.04.11) ...
Setting up libatomic1:amd64 (5.4.0-6ubuntu1~16.04.11) ...
Setting up libasan2:amd64 (5.4.0-6ubuntu1~16.04.11) ...
Setting up liblsan0:amd64 (5.4.0-6ubuntu1~16.04.11) ...
Setting up libtsan0:amd64 (5.4.0-6ubuntu1~16.04.11) ...
Setting up libubsan0:amd64 (5.4.0-6ubuntu1~16.04.11) ...
Setting up libcilkrts5:amd64 (5.4.0-6ubuntu1~16.04.11) ...
Setting up libmpx0:amd64 (5.4.0-6ubuntu1~16.04.11) ...
Setting up libquadmath0:amd64 (5.4.0-6ubuntu1~16.04.11) ...
Setting up libgcc-5-dev:amd64 (5.4.0-6ubuntu1~16.04.11) ...
Setting up gcc-5 (5.4.0-6ubuntu1~16.04.11) ...
Setting up gcc (4:5.3.1-1ubuntu1) ...
Setting up libc-dev-bin (2.23-0ubuntu11) ...
Setting up linux-libc-dev:amd64 (4.4.0-164.192) ...
Setting up libc6-dev:amd64 (2.23-0ubuntu11) ...
Setting up libstdc++-5-dev:amd64 (5.4.0-6ubuntu1~16.04.11) ...
Setting up g++-5 (5.4.0-6ubuntu1~16.04.11) ...
Setting up g++ (4:5.3.1-1ubuntu1) ...
update-alternatives: using /usr/bin/g++ to provide /usr/bin/c++ (c++) in auto mode
Setting up zlib1g-dev:amd64 (1:1.2.8.dfsg-2ubuntu4.1) ...
Setting up libssl-dev:amd64 (1.0.2g-1ubuntu4.15) ...
Setting up libssl-doc (1.0.2g-1ubuntu4.15) ...
Setting up make (4.1-6) ...
Setting up manpages-dev (4.04-2) ...
Processing triggers for libc-bin (2.23-0ubuntu11) ...
Cloning into 'cryptopp'...
remote: Enumerating objects: 37, done.
remote: Counting objects: 100% (37/37), done.
remote: Compressing objects: 100% (30/30), done.
remote: Total 23111 (delta 15), reused 21 (delta 7), pack-reused 23074
Receiving objects: 100% (23111/23111), 23.30 MiB | 17.22 MiB/s, done.
Resolving deltas: 100% (16827/16827), done.
Checking connectivity... done.
g++ -DNDEBUG -g3 -O3 -fPIC -pthread -pipe -c cryptlib.cpp

g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c cpu.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c integer.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c 3way.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c adler32.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c algebra.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c algparam.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c allocate.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c arc4.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c aria.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -mssse3 -c aria_simd.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c ariatab.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c asn.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c authenc.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c base32.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c base64.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c basecode.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c bfininit.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c blake2.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -msse4.1 -c blake2b_simd.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -msse4.1 -c blake2s_simd.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c blowfish.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c blumshub.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c camellia.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c cast.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c casts.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c cbcmac.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c ccm.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c chacha.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -mavx2 -c chacha_avx.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -msse2 -c chacha_simd.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c chachapoly.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c cham.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -mssse3 -c cham_simd.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c channels.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c cmac.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c crc.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -msse4.2 -c crc_simd.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c darn.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c default.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c des.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c dessp.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c dh.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c dh2.cpp

g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c dll.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c donna_32.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c donna_64.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -msse2 -c donna_sse.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c dsa.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c eax.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c ec2n.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c eccrypto.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c ecp.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c elgamal.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c emsa2.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c eprecomp.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c esign.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c files.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c filters.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c fips140.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c fipstest.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c gcm.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -mssse3 -mpclmul -c gcm_simd.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c gf256.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c gf2_32.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c gf2n.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -mpclmul -c gf2n_simd.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c gfpcrypt.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c gost.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c gzip.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c hc128.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c hc256.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c hex.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c hight.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c hmac.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c hrtimer.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c ida.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c idea.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c iterhash.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c kalyna.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c kalynatab.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c keccak.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c keccak_core.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -mssse3 -c keccak_simd.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c lea.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -mssse3 -c lea_simd.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c luc.cpp

```
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c mars.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c marss.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c md2.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c md4.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c md5.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c misc.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c modes.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c mqueue.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c mqv.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c nbtheory.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c neon_simd.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c oaep.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c osrng.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c padlkrng.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c panama.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c pkcspad.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c poly1305.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c polynomi.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c ppc_power7.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c ppc_power8.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c ppc_power9.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c ppc_simd.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c pssr.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c pubkey.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c queue.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c rabbit.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c rabin.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c randpool.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c rc2.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c rc5.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c rc6.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c rdrand.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c rdtables.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c rijndael.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -msse4.1 -maes -c rijndael_simd.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c ripemd.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c rng.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c rsa.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c rw.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c safer.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c salsa.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c scrypt.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c seal.cpp
```

g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c seed.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c serpent.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c sha.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c sha3.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -msse4.2 -msha -c sha_simd.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c shacal2.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -msse4.2 -msha -c shacal2_simd.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c shake.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c shark.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c sharkbox.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c simeck.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -mssse3 -c simeck_simd.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c simon.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -mssse3 -c simon128_simd.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -msse4.1 -c simon64_simd.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c skipjack.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c sm3.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c sm4.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -mssse3 -maes -c sm4_simd.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c sosemanuk.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c speck.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -mssse3 -c speck128_simd.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -msse4.1 -c speck64_simd.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c square.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c squaretb.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -msse2 -c sse_simd.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c strciphr.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c tea.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c tftables.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c threefish.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c tiger.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c tigertab.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c ttmac.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c tweetnacl.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c twofish.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c vmac.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c wake.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c whirlpool.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c xed25519.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c xtr.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c xtrcrypt.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c zdeflate.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c inflate.cpp

```
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c zlib.cpp
ar r libcryptopp.a cryptlib.o cpu.o integer.o 3way.o adler32.o algebra.o algparam.o allocate.o
arc4.o aria.o aria_simd.o ariatab.o asn.o authenc.o base32.o base64.o basecode.o bfininit.o
blake2.o blake2b_simd.o blake2s_simd.o blowfish.o blumshub.o camellia.o cast.o casts.o
cbcmac.o ccm.o chacha.o chacha_avx.o chacha_simd.o chachapoly.o cham.o cham_simd.o
channels.o cmac.o crc.o crc_simd.o darn.o default.o des.o dessp.o dh.o dh2.o dll.o donna_32.o
donna_64.o donna_sse.o dsa.o eax.o ec2n.o eccrypto.o ecp.o elgamal.o emsa2.o eprecomp.o
esign.o files.o filters.o fips140.o fipstest.o gcm.o gcm_simd.o gf256.o gf2_32.o gf2n.o
gf2n_simd.o gfpcrypt.o gost.o gzip.o hc128.o hc256.o hex.o hight.o hmac.o hrtimer.o ida.o
idea.o iterhash.o kalyna.o kalynatab.o keccak.o keccak_core.o keccak_simd.o lea.o lea_simd.o
luc.o mars.o marss.o md2.o md4.o md5.o misc.o modes.o mqueue.o mqv.o nbtheory.o
neon_simd.o oaep.o osrng.o padlkrng.o panama.o pkcspad.o poly1305.o polynomi.o
ppc_power7.o ppc_power8.o ppc_power9.o ppc_simd.o pssr.o pubkey.o queue.o rabbit.o
rabin.o randpool.o rc2.o rc5.o rc6.o rdrand.o rdtbls.o rijndael.o rijndael_simd.o ripemd.o rng.o
rsa.o rw.o safer.o salsa.o scrypt.o seal.o seed.o serpent.o sha.o sha3.o sha_simd.o shacal2.o
shacal2_simd.o shake.o shark.o sharkbox.o simeck.o simeck_simd.o simon.o simon128_simd.o
simon64_simd.o skipjack.o sm3.o sm4.o sm4_simd.o sosemanuk.o speck.o speck128_simd.o
speck64_simd.o square.o squaretb.o sse_simd.o strciphr.o tea.o tftables.o threefish.o tiger.o
tigertab.o ttmac.o tweetnacl.o twofish.o vmac.o wake.o whrlpool.o xed25519.o xtr.o xtrcrypt.o
zdeflate.o zinflate.o zlib.o
```

ar: creating libcryptopp.a

ranlib libcryptopp.a

```
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c adhoc.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c test.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c bench1.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c bench2.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c bench3.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c datatest.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c dlltest.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c fipsalgt.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c validat0.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c validat1.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c validat2.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c validat3.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c validat4.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c validat5.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c validat6.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c validat7.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c validat8.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c validat9.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c validat10.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c regtest1.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c regtest2.cpp
```

```

g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c regtest3.cpp
g++ -DNDEBUG -g2 -O3 -fPIC -pthread -pipe -c regtest4.cpp
g++ -o cryptest.exe -DNDEBUG -g2 -O3 -fPIC -pthread -pipe adhoc.o test.o bench1.o bench2.o
bench3.o datatest.o dlltest.o fipsalgt.o validat0.o validat1.o validat2.o validat3.o validat4.o
validat5.o validat6.o validat7.o validat8.o validat9.o validat10.o regtest1.o regtest2.o regtest3.o
regtest4.o ./libcryptopp.a
cp *.h /usr/local/include/cryptopp
chmod 0644 /usr/local/include/cryptopp/*.h
cp libcryptopp.a /usr/local/lib
chmod 0644 /usr/local/lib/libcryptopp.a
cp cryptest.exe /usr/local/bin
chmod 0755 /usr/local/bin/cryptest.exe
cp TestData/*.dat /usr/local/share/cryptopp/TestData
chmod 0644 /usr/local/share/cryptopp/TestData/*.dat
cp TestVectors/*.txt /usr/local/share/cryptopp/TestVectors
chmod 0644 /usr/local/share/cryptopp/TestVectors/*.txt
-- The C compiler identification is GNU 5.4.0
-- The CXX compiler identification is GNU 5.4.0
-- Check for working C compiler: /usr/bin/cc
-- Check for working C compiler: /usr/bin/cc -- works
-- Detecting C compiler ABI info
-- Detecting C compiler ABI info - done
-- Detecting C compile features
-- Detecting C compile features - done
-- Check for working CXX compiler: /usr/bin/c++
-- Check for working CXX compiler: /usr/bin/c++ -- works
-- Detecting CXX compiler ABI info
-- Detecting CXX compiler ABI info - done
-- Detecting CXX compile features
-- Detecting CXX compile features - done
-- Found OpenSSL: /usr/lib/x86_64-linux-gnu/libssl.so;/usr/lib/x86_64-linux-gnu/libcrypto.so
(found version "1.0.2g")
-- Try OpenMP C flag = [-fopenmp]
-- Performing Test OpenMP_FLAG_DETECTED
-- Performing Test OpenMP_FLAG_DETECTED - Success
-- Try OpenMP CXX flag = [-fopenmp]
-- Performing Test OpenMP_FLAG_DETECTED
-- Performing Test OpenMP_FLAG_DETECTED - Success
-- Found OpenMP: -fopenmp
-- Configuring done
-- Generating done
-- Build files have been written to: /home/ubuntu/3pc-dpforam/build
Scanning dependencies of target proto_test

```

```
[ 4%] Building CXX object CMakeFiles/proto_test.dir/test/proto_test.cpp.o
[ 8%] Building CXX object CMakeFiles/proto_test.dir/libdpf/block.cpp.o
[ 12%] Building CXX object CMakeFiles/proto_test.dir/libdpf/libdpf.cpp.o
[ 16%] Building CXX object CMakeFiles/proto_test.dir/simple_socket.cpp.o
[ 20%] Building CXX object CMakeFiles/proto_test.dir/inslbl.cpp.o
[ 25%] Building CXX object CMakeFiles/proto_test.dir/ssot.cpp.o
[ 29%] Building CXX object CMakeFiles/proto_test.dir/protocol.cpp.o
[ 33%] Building CXX object CMakeFiles/proto_test.dir/dpforam.cpp.o
[ 37%] Building CXX object CMakeFiles/proto_test.dir/connection.cpp.o
[ 41%] Building CXX object CMakeFiles/proto_test.dir/util.cpp.o
[ 45%] Building CXX object CMakeFiles/proto_test.dir/fss.cpp.o
[ 50%] Linking CXX executable proto_test
[ 50%] Built target proto_test
```

Scanning dependencies of target fss_test

```
[ 54%] Building CXX object CMakeFiles/fss_test.dir/test/fss_test.cpp.o
[ 58%] Building CXX object CMakeFiles/fss_test.dir/libdpf/block.cpp.o
[ 62%] Building CXX object CMakeFiles/fss_test.dir/libdpf/libdpf.cpp.o
[ 66%] Building CXX object CMakeFiles/fss_test.dir/simple_socket.cpp.o
[ 70%] Building CXX object CMakeFiles/fss_test.dir/inslbl.cpp.o
[ 75%] Building CXX object CMakeFiles/fss_test.dir/ssot.cpp.o
[ 79%] Building CXX object CMakeFiles/fss_test.dir/protocol.cpp.o
[ 83%] Building CXX object CMakeFiles/fss_test.dir/dpforam.cpp.o
[ 87%] Building CXX object CMakeFiles/fss_test.dir/connection.cpp.o
[ 91%] Building CXX object CMakeFiles/fss_test.dir/util.cpp.o
[ 95%] Building CXX object CMakeFiles/fss_test.dir/fss.cpp.o
[100%] Linking CXX executable fss_test
[100%] Built target fss_test
```

ubuntu@ip-172-31-22-163:~/3pc-dpforam\$ cd build/

ubuntu@ip-172-31-22-163:~/3pc-dpforam/build\$./proto_test --par eddie &

[1] 9163

ubuntu@ip-172-31-22-163:~/3pc-dpforam/build\$ Establishing connection with debbie...

ubuntu@ip-172-31-22-163:~/3pc-dpforam/build\$./proto_test --par debbie &

[2] 9164

ubuntu@ip-172-31-22-163:~/3pc-dpforam/build\$ Connecting with eddie... done

Establishing connection with charlie... done

Establishing connection with charlie...

ubuntu@ip-172-31-22-163:~/3pc-dpforam/build\$./proto_test --par charlie &

[3] 9165

ubuntu@ip-172-31-22-163:~/3pc-dpforam/build\$ Connecting with eddie... done
done

Connecting with debbie... done

done

Init Wallclock(microsec): 951

Init Wallclock(microsec): 1399

Init Wallclock(microsec): 1322

=====

Party: eddie

Last level: 1

First level: 0

tau: 3

2^{tau} : 8

logN: 9

N: 512

logNBytes: 3

nextLogN: 0

nextLogNBytes: 4

DBytes: 32

Stash counter: 1

ROM: 1

WOM: 1

stash: 1

posMap: 1

=====

=====

Party: eddie

Last level: 0

First level: 0

tau: 3

2^{tau} : 8

logN: 6

N: 64

logNBytes: 2

nextLogN: 9

nextLogNBytes: 3

DBytes: 24

Stash counter: 1

ROM: 1

WOM: 1

stash: 1

posMap: 1

=====

=====

Party: eddie

Last level: 0

First level: 1
tau: 3
 2^{tau} : 8
logN: 3
N: 8
logNBytes: 2
nextLogN: 6
nextLogNBytes: 2
DBytes: 16
Stash counter: 1
ROM: 1
WOM: 0
stash: 1
posMap: 0

=====

=====

Party: debbie
Last level: 1
First level: 0
tau: 3
 2^{tau} : 8
logN: 9
N: 512
logNBytes: 3
nextLogN: 0
nextLogNBytes: 4
DBytes: 32
Stash counter: 1
ROM: 1
WOM: 1
stash: 1
posMap: 1

=====

=====

Party: debbie
Last level: 0
First level: 0
tau: 3
 2^{tau} : 8
logN: 6
N: 64

logNBytes: 2
nextLogN: 9
nextLogNBytes: 3
DBytes: 24
Stash counter: 1
ROM: 1
WOM: 1
stash: 1
posMap: 1
=====

=====

Party: debbie
Last level: 0
First level: 1
tau: 3
 2^{tau} : 8
logN: 3
N: 8
logNBytes: 2
nextLogN: 6
nextLogNBytes: 2
DBytes: 16
Stash counter: 1
ROM: 1
WOM: 0
stash: 1
posMap: 0
=====

=====

Party: charlie
Last level: 1
First level: 0
tau: 3
 2^{tau} : 8
logN: 9
N: 512
logNBytes: 3
nextLogN: 0
nextLogNBytes: 4
DBytes: 32
Stash counter: 1

ROM: 1
WOM: 1
stash: 1
posMap: 1
=====

=====

Party: charlie
Last level: 0
First level: 0
tau: 3
 2^{tau} : 8
logN: 6
N: 64
logNBytes: 2
nextLogN: 9
nextLogNBytes: 3
DBytes: 24
Stash counter: 1
ROM: 1
WOM: 1
stash: 1
posMap: 1
=====

=====

Party: charlie
Last level: 0
First level: 1
tau: 3
 2^{tau} : 8
logN: 3
N: 8
logNBytes: 2
nextLogN: 6
nextLogNBytes: 2
DBytes: 16
Stash counter: 1
ROM: 1
WOM: 0
stash: 1
posMap: 0
=====

addr=1023, t=0: Pass
addr=1023, t=1: Pass
addr=1023, t=2: Pass
addr=1023, t=3: Pass
addr=1023, t=4: Pass
addr=1023, t=5: Pass
addr=1023, t=6: Pass
addr=1023, t=7: Pass
addr=1023, t=8: Pass
addr=1023, t=9: Pass
addr=1023, t=10: Pass
addr=1023, t=11: Pass
addr=1023, t=12: Pass
addr=1023, t=13: Pass
addr=1023, t=14: Pass
addr=1023, t=15: Pass
addr=1023, t=16: Pass
addr=1023, t=17: Pass
addr=1023, t=18: Pass
addr=1023, t=19: Pass
addr=1023, t=20: Pass
addr=1023, t=21: Pass
addr=1023, t=22: Pass
addr=1023, t=23: Pass
addr=1023, t=24: Pass
addr=1023, t=25: Pass
addr=1023, t=26: Pass
addr=1023, t=27: Pass
addr=1023, t=28: Pass
addr=1023, t=29: Pass
addr=1023, t=30: Pass
addr=1023, t=31: Pass
addr=1023, t=32: Pass
addr=1023, t=33: Pass
addr=1023, t=34: Pass
addr=1023, t=35: Pass
addr=1023, t=36: Pass
addr=1023, t=37: Pass
addr=1023, t=38: Pass
addr=1023, t=39: Pass
addr=1023, t=40: Pass
addr=1023, t=41: Pass

addr=1023, t=42: Pass
addr=1023, t=43: Pass
addr=1023, t=44: Pass
addr=1023, t=45: Pass
addr=1023, t=46: Pass
addr=1023, t=47: Pass
addr=1023, t=48: Pass
addr=1023, t=49: Pass
addr=1023, t=50: Pass
addr=1023, t=51: Pass
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addr=1023, t=67: Pass
addr=1023, t=68: Pass
addr=1023, t=69: Pass
addr=1023, t=70: Pass
addr=1023, t=71: Pass
addr=1023, t=72: Pass
addr=1023, t=73: Pass
addr=1023, t=74: Pass
addr=1023, t=75: Pass
addr=1023, t=76: Pass
addr=1023, t=77: Pass
addr=1023, t=78: Pass
addr=1023, t=79: Pass
addr=1023, t=80: Pass
addr=1023, t=81: Pass
addr=1023, t=82: Pass
addr=1023, t=83: Pass
addr=1023, t=84: Pass

addr=1023, t=85: Pass
addr=1023, t=86: Pass
addr=1023, t=87: Pass
addr=1023, t=88: Pass
addr=1023, t=89: Pass
addr=1023, t=90: Pass
addr=1023, t=91: Pass
addr=1023, t=92: Pass
addr=1023, t=93: Pass
addr=1023, t=94: Pass
addr=1023, t=95: Pass
addr=1023, t=96: Pass
addr=1023, t=97: Pass
addr=1023, t=98: Pass
addr=1023, t=99: Pass

Party Bandwidth(byte): 1384
Party Wallclock(microsec): 863
Total Bandwidth(byte): 4049
Max Wallclock(microsec): 863

Party Bandwidth(byte): 1216
Party Wallclock(microsec): 860
Total Bandwidth(byte): 4049
Max Wallclock(microsec): 863

Party Bandwidth(byte): 1448
Party Wallclock(microsec): 831
Total Bandwidth(byte): 4049
Max Wallclock(microsec): 863

Closing connections... Closing connections... Closing connections... done
done
done

[1] Done ./proto_test --par eddie
[2]- Done ./proto_test --par debbie
[3]+ Done ./proto_test --par charlie
ubuntu@ip-172-31-22-163:~/3pc-dpforam/build\$