Installation:

1. Compiling QEMU

The qemu code included in the webpage comes as a part of the MARSS simulator
(http://marss86.org/~marss86/index.php/Getting_Started). Compiling this source therefore
requires the following steps.

i) Setup Scons

For compilation, the Scons compilation tool (version 1.2 or higher ) is required. Scons can be easily
set up using standard software installation tools such as apt-get or yum.

ii) Compilation

Once Scons is set up go to the directory containing the source code of MARSS and issue the
compilation command. For example

$ cd $MARSS

$ scons -Q

2. Clean Binaries

For cleaning up the compiled binaries, use

$ scons -Q -c

3. Applying the patch

To apply the patch, then first go to the qemu directory containing the source code of MARSS and
then issue the patch command.

$ cd $MARSS/qemu

$ patch -p1 < deterministic.patch

Running QEMU:

The deterministic Qemu can be run with the following options:

$ $MARSS/qemu/qemu-system-x86_64 -hda diskimage -net none -rtc clock=vm -nographic