

MicroTESK - Bug #9437

ru.ispras.microtesk.model.minimips.BufferPreparatorTestCase: QEMU4V crashes with general protection error on this test program

01/18/2019 04:41 PM - Sergey Smolov

Status:	Closed	Start date:	01/18/2019
Priority:	Normal	Due date:	
Assignee:	Sergey Smolov	% Done:	100%
Category:	Samples	Estimated time:	0.00 hour
Target version:	2.4	Spent time:	0.00 hour
Detected in build:	master	Published in build:	2.4.46-beta-191025
Platform:			

Description

When running the ru.ispras.microtesk.model.minimips.BufferPreparatorTestCase test case at Jenkins server, the following error takes place:

```
java.lang.AssertionError: Process has returned '139': "/srv/jenkins/workspace/MicroTESK/build/tools/qemu/bin/qemu-system-mips -M mips -cpu mips32r6-generic -d unimp,nochain,in_asm -nographic -singlestep -D /srv/jenkins/workspace/MicroTESK/build/test/minimips/buffer_preparator/buffer_preparator_0000-qemu.log -bios /srv/jenkins/workspace/MicroTESK/build/test/minimips/buffer_preparator/buffer_preparator_0000.elf"
```

No error log is found, try to run command in terminal.

```
at org.junit.Assert.fail(Assert.java:88)
at ru.ispras.microtesk.model.minimips.MiniMipsTest.runCommand(MiniMipsTest.java:556)
at ru.ispras.microtesk.model.minimips.MiniMipsTest.runCommand(MiniMipsTest.java:477)
at ru.ispras.microtesk.model.minimips.MiniMipsTest.emulate(MiniMipsTest.java:311)
at ru.ispras.microtesk.model.minimips.MiniMipsTest.compileAndEmulate(MiniMipsTest.java:273)
```

At Jenkins this event causes the general protection error as it is described in /var/log/messages (/var/log/kern.log):

```
kernel: [19535.492676] traps: qemu-system-mip[1930] general protection ip:56360bb9966c sp:7f50ad4776b8 error:0 in qemu-system-mips[56360b8eb000+8ff000]
```

To reproduce the error, uncomment ru.ispras.microtesk.model.minimips.BufferPreparatorTestCase class' code.

History

#1 - 01/21/2019 04:30 PM - Sergey Smolov

- % Done changed from 0 to 100
- Target version set to 2.4
- Status changed from New to Resolved
- Category set to Samples

Fixed in [686536a3](#)

#2 - 11/02/2019 06:19 PM - Sergey Smolov

- Published in build set to 2.4.46-beta-191025
- Assignee set to Sergey Smolov

#3 - 11/11/2019 05:27 PM - Alexander Kamkin

- Status changed from Resolved to Closed