Charm++ - Bug #2052
Build script does not support thread sanitizer

02/04/2019 04:24 PM - Venkatasubrahmanian Narayanan

<table>
<thead>
<tr>
<th>Status:</th>
<th>New</th>
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<td>Priority:</td>
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<tr>
<td>Assignee:</td>
<td>Venkatasubrahmanian Narayanan</td>
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<td>Category:</td>
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<td>Target version:</td>
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Description
The build script does not support building Charm++ with the GCC thread sanitizer.

History

#1 - 02/07/2019 12:59 PM - Sam White
Can you update the issue with the failed output?
In general when reporting an issue you should provide how exactly to reproduce the issue (your full charm build command, what type of build/environment if applicable, how to run the test case if applicable) as well as the output from whatever failed.

#2 - 02/12/2019 05:44 PM - Evan Ramos
I was able to run with TSan successfully using these lines:

```bash
./build all-test multicore-linux-x86_64 tsan -j12 -g3 -fsanitize=thread && cd multicore-linux-x86_64-tsan/tests/charm++/simplearrayhello && TSAN_OPTIONS="log_path=log.txt" ./hello +p2

./build all-test netlrts-linux-x86_64-smp tsan -j12 -g3 -fsanitize=thread && cd netlrts-linux-x86_64-smp-tsan/tests/charm++/simplearrayhello && TSAN_OPTIONS="log_path=log.txt" ./hello +p2
```

(The redundant -fsanitize=thread is so that the tests and examples see the flag and not just the RTS.)