## Charm++ - Bug #2030

**tests/ampi/megampi sometimes fails on mpi-win-x86_64-smp**

11/19/2018 04:28 PM - Evan Ramos

<table>
<thead>
<tr>
<th>Status:</th>
<th>New</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td>Evan Ramos</td>
</tr>
<tr>
<td>Start date:</td>
<td>11/19/2018</td>
</tr>
<tr>
<td>Category:</td>
<td></td>
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<tr>
<td>Due date:</td>
<td></td>
</tr>
<tr>
<td>% Done:</td>
<td>0%</td>
</tr>
<tr>
<td>Estimated time</td>
<td>0.00 hour</td>
</tr>
<tr>
<td>Spend time:</td>
<td>0.00 hour</td>
</tr>
</tbody>
</table>

### Description
This failure shows up in autobuild every few days.

```plaintext
..//../bin/testrun ./pgm +p2 +vp4
Running on 2 processors: ./pgm +vp4
charmrun> /cygdrive/c/Program Files/Microsoft MPI/Bin/mpiexec -n 2 ./pgm +vp4
Charm++> Running on MPI version: 2.0
Charm++> level of thread support used: MPI_THREAD_FUNNELED (desired: MPI_THREAD_FUNNELED)
Charm++> Running in SMP mode: 2 processes, 1 worker threads (PEs) + 1 comm threads per process, 2 PEs total
Charm++> The comm. thread both sends and receives messages
Charm++ warning> fences and atomic operations not available in native assembly
Converse/Charm++ Commit ID: v6.9.0-0-gc3d50ef
Charm++> Disabling isomalloc because mmap() does not work.
CharmLB> Load balancer assumes all CPUs are same.
Charm++> Running on 1 hosts (1 sockets x 4 cores x 2 PUs = 8-way SMP)
Charm++> cpu topology info is gathered in 0.016 seconds.
CharmLB> RandCentLB created.

job aborted:
[ranks] message
[0] terminated
[1] process exited without calling finalize

---- error analysis ------
[1] on CS-DEXTERTY
./pgm ended prematurely and may have crashed. exit code 0xc0000005

---- error analysis ------
make[1]: *** [Makefile:37: test-ampi] Error 2
make[3]: Leaving directory '/home/nikhil/autobuild/mpi-win-x86_64-smp/charm/mpi-win-x86_64-smp/tests/ampi/megampi'
```

http://charm.cs.illinois.edu/autobuild/old.2018_11_06__01_01/mpi-win-x86_64-smp.txt
http://charm.cs.illinois.edu/autobuild/old.2018_11_10__01_01/mpi-win-x86_64-smp.txt
http://charm.cs.illinois.edu/autobuild/old.2018_11_14__01_01/mpi-win-x86_64-smp.txt

### History

#### #1 - 11/29/2018 12:57 PM - Eric Bohm
- Assignee set to Evan Ramos
#2 - 01/11/2019 12:17 PM - Evan Ramos
- Target version deleted (6.9.1)

#3 - 01/11/2019 02:11 PM - Evan Ramos
I think this showed up in a multicore-win-x86_64 build today, in addition to mpi-win-x86_64-smp:

http://charm.cs.illinois.edu/autobuild/old.2019_01_11__01_07/multicore-win-x86_64.txt
http://charm.cs.illinois.edu/autobuild/old.2019_01_11__01_07/mpi-win-x86_64-smp.txt

#4 - 02/07/2019 02:08 PM - Sam White
It happened on mpi-win-smp today, and generally seems to happen somewhat frequently though not everytime.