Charm++ - Bug #1661

Building charm with papi support is successful even when papi is not found (-lpapi)

08/22/2017 09:34 AM - Nitin Bhat

<table>
<thead>
<tr>
<th>Status:</th>
<th>New</th>
<th>Start date:</th>
<th>08/22/2017</th>
</tr>
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<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
<td>Due date:</td>
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<tr>
<td>Assignee:</td>
<td>Ronak Buch</td>
<td>% Done:</td>
<td>0%</td>
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<tr>
<td>Category:</td>
<td>Tracing</td>
<td>Estimated time:</td>
<td>0.00 hour</td>
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<tr>
<td>Target version:</td>
<td>6.8.1</td>
<td>Spent time:</td>
<td>0.00 hour</td>
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Description

When I try to build charm with papi support like

```
./build charm++ mpi=linux-x86_64 papi --with-production -j16
```

the compilation is successful, even when -lpapi is not found. (and papi is not found in the environment). I see the message - checking "whether PAPI exists"... "no" shown by configure, but configure goes through without complaining.

We should have configure abort the process with an appropriate error message about not finding papi.

History

#1 - 08/22/2017 11:00 AM - Sam White
- Target version set to 6.8.1
- Category set to Tracing

Also add an abort when building papi without --enable-tracing, and update the PAPI Projections documentation.

#2 - 09/01/2017 02:01 PM - Sam White
- Assignee set to Ronak Buch

Assigning to Ronak b/c tracing...