

Vislt - Bug # 1264: pbspro qsub syntax issue

Status:	Pending	Priority:	Normal
Author:	Cyrus Harrison	Category:	
Created:	12/04/2012	Assigned to:	
Updated:	12/06/2012	Due date:	
Likelihood:	3 - Occasional		
Severity:	4 - Crash / Wrong Results		
Found in Version:	2.5.2		
OS:	All		
Support Group:	Any		
Subject:	pbspro qsub syntax issue		
Description:	<p>Folks at Clemson have a cluster with pbspro. To submit jobs they use qsub + mpiexec</p> <p>Our qsub launcher tries the following:</p> <pre>-l nodes=8:ppn=1</pre> <p>But this yields the error:</p> <pre>qsub: Cannot be used with select or place: nodes</pre> <p>The correct syntax is:</p> <pre>-l select=8:ncpus=1:mpiprocs=1</pre> <p>nodes=XXX:ppn=YYY, should be replaced with select=XXX:ncpus=YYY:mpiprocs=YYY</p> <p>(Thanks to Eddie @ Clemson the details)</p> <p>I want to create a custom launcher for them, but how should we handle this in general? Aren't there several variants of qsub? I expect we need to support the -l nodes syntax for some of them.</p>		

History

12/04/2012 04:02 pm - Cyrus Harrison

Sounds like I need to override SetupPPN() to return:

```
args = ["-l", "select=%s:ncpus=%s:mpiprocs=%s" % (nodes,ppn,ppn)]
```

12/06/2012 05:33 pm - Eric Brugger

- Status changed from New to Pending