

## Kepler - Bug #3073

### Heartbeat function for slaves

01/16/2008 03:00 PM - Chad Berkley

<b>Status:</b>	Resolved	<b>Start date:</b>	01/16/2008
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	jianwu jianwu	<b>% Done:</b>	0%
<b>Category:</b>	distributed execution	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	master-slave-2.0.0	<b>Spent time:</b>	0.00 hour
<b>Bugzilla-Id:</b>	3073		

#### Description

When a slave registers itself with the earthgrid registry, there needs to be a way to tell if that slave still exists and if it doesn't, the registry entry needs to be removed. If we don't do this, we are quickly going to end up with a lot of dead registry entries since a lot of the time, kepler will not terminate normally.

There should also be an indication in the gui as to whether the slave is alive or not when the user chooses it.

#### History

##### #1 - 03/18/2010 01:58 PM - jianwu jianwu

Either EcoGrid registry or Master should check the heartbeats from slaves. But the services at EcoGrid are to respond the outside invocation, not to execute itself periodically to check the heartbeats. In theory, Masters can check heartbeats of slaves. But we'd better remove unavailable slaves when users use 'Distributed Computing Options' menu item from Master side to check available slaves. Otherwise, the registered unavailable slaves are confusing and useless to Masters.

So I modified the code for 'Distributed Computing Options' menu item at version 23397. Now the availability of all registered slaves will be checked, and the slaves will be de-registered and not show up if they are not available.

##### #2 - 03/27/2013 02:22 PM - Redmine Admin

Original Bugzilla ID was 3073