

VisIt - Bug # 1313: parallel engine launch fails from CL with host name but works from GUI with localhost

Status:	Pending	Priority:	Normal
Author:	Mark Miller	Category:	
Created:	01/17/2013	Assigned to:	
Updated:	01/29/2013	Due date:	
Likelihood:	3 - Occasional		
Severity:	2 - Minor Irritation		
Found in Version:	2.6.0		
OS:	All		
Support Group:	Any		
Subject:	parallel engine launch fails from CL with host name but works from GUI with localhost		
Description:	<p>On my home linux laptop, if I start VisIt this way...</p> <pre><pre> bin/visit -np 3 -small -debug 5 -nosplash -o ../data/silo_hdf5_test_data/multi_ucd3d.silo </pre></pre> <p>The parallel engine hangs. The launch strings I see are...</p> <pre><pre> Running: gui -small -debug 5 -nosplash -o ../data/silo_hdf5_test_data/multi_ucd3d.silo -dv -engineargs -l;mpirun;-np;3 -launchengine localhost Running: viewer -small -debug 5 -nosplash -engineargs -l;mpirun;-np;3 -geometry 1471x1125+449+42 -borders 24,5,5,5 -shift 5,33 -preshift 0,-9 -defer -dv -host 127.0.0.1 -port 5600 -launchengine localhost Running: mdserver -debug 5 -nosplash -dv -host 127.0.0.1 -port 5601 Running: mpirun -np 3 /home/miller86/visit/visit/trunk/src/exe/engine_par -plugindir /home/miller86/.visit/2.7.0b/linux-x86_64/plugins:/home/miller86/visit/visit/trunk/src/plugins -visithome /home/miller86/visit/visit/trunk/src -visitarchhome /home/miller86/visit/visit/trunk/src/ -debug 5 -nosplash -dv -host floyd.llnl.gov -port 5600 Ctrl-C caught... cleaning up processes </pre></pre> <p>If I start the GUI and open the file and let the engine launch dialog box appear and then select the 'parallel' profile for my machine, it works but the engine launch string uses "localhost" instead of "floyd.llnl.gov"</p> <p>As an aside, as I have played around between CL, CLI and GUI, I notice somewhat random selection of host identification used in various component's launch strings between "127.0.0.1", "localhost" and "floyd.llnl.gov". I think this could be contributing to the problems.</p>		

History

01/29/2013 05:21 pm - Eric Brugger

- Status changed from New to Pending