

ds50daq - Feature #4897

Allow FHiCL configuration of DB port in DBInterface.

11/04/2013 10:28 AM - Christopher Green

Status:	New	Start date:	11/04/2013
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	NeededEnhancements		
Description			
The DBInterface service does not currently allow the configuration of the port number of the DB, meaning that it is difficult to configure SSH tunnel access on multi-user machines on local networks. Please allow a port configuration parameter to the service configuration to allow easier tunneling.			

History

#1 - 11/04/2013 11:35 AM - Christopher Green

The following patch allows :port on the end of the host name:

```
diff --git a/ds50daq/online/ArtServices/ds50db_interface.cc b/ds50daq/online/ArtServices/ds50db_interface.cc
index 460628e..397d606 100644
--- a/ds50daq/online/ArtServices/ds50db_interface.cc
+++ b/ds50daq/online/ArtServices/ds50db_interface.cc
@@ -1,8 +1,17 @@
 #include "cetlib/exception.h"
+#include "cetlib/split.h"
 #include "ds50daq/online/ArtServices/ds50db_interface.hh"

+#include <string>
+#include <vector>
+
 ds50::db::interface::interface (const std::string& host, const std::string& db, const std::string& user, const
 t std::string& pwd): current_run_(-1) {
- std::string connection_info = "host = " + host + " user = " + user + " password = " + pwd + " dbname = " +
 db;
+ std::vector<std::string> splitHost;
+ cet::split(host, ':', std::back_inserter(splitHost));
+ std::string connection_info = "host = " + splitHost[0] + " user = " + user + " password = " + pwd + " dbnam
e = " + db;
+ if (splitHost.size() == 2) {
+ connection_info += " port = " + splitHost[1];
+ }
+ try {
+ c_ = std::unique_ptr<connection>(new connection (connection_info));
+ } catch (const std::runtime_error& e) {
```

With this, the connection now works, but there seems to be a problem accessing the means table. I will have to take this up with Alden.

Thanks,
Chris.

#2 - 04/23/2014 01:13 PM - Kurt Biery

- Target version set to NeededEnhancements