artdaq - Feature #20137

Additional methods for obtaining IP addresses in TCPConnect

06/08/2018 11:48 AM - Eric Flumerfelt

Status:	Closed		**Start date:**	06/08/2018
Priority:	Normal		**Due date:**	
Assignee:	Eric Flumerfelt		**% Done:**	0%
Category:	Additional Functionality		**Estimated time:**	0.00 hour
Target version:	artdaq v3_02_01			
Experiment:	-		**Co-Assignees:**	

Description

I have added GetIPOfInterface and AutodetectPrivateInterface functions to TCPConnect. GetIPOfInterface takes an interface name (eth0, enp0s3, etc) and returns the IP of that interface, or 0.0.0.0 if no match was found. AutodetectPrivateInterface searches for an interface with an address on a RFC 1918 private network. It will return, by preference, a 192.168.0.0/16 address, 172.16.0.0/12, 10.0.0.0/8, 131.225.0.0/16, 0.0.0.0.