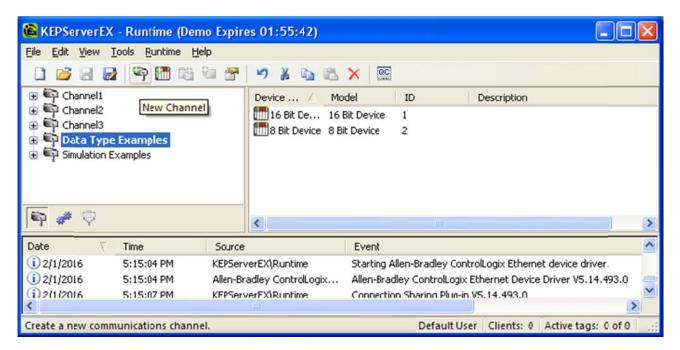
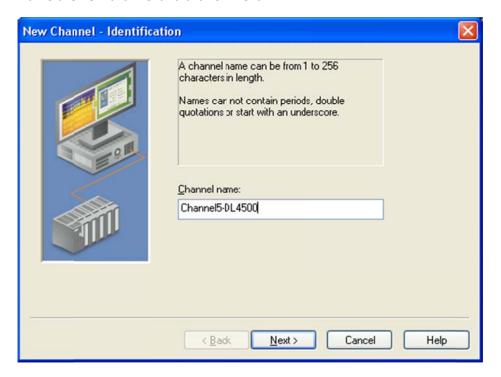
Accessing Allen Bradley DH+ PLC5 & SLC504 with Equustek DL4500EDH+ using Kepware kepserver Encapsulated DF1 Ethernet driver.

In this application note we are using DL4500EDH+ with IP address 192.168.2.52 which means it's DH+ node is 52 decimal or 64 Octal, PLC5-80E node address 21 Octal and SLC504 node address 23 Octal.

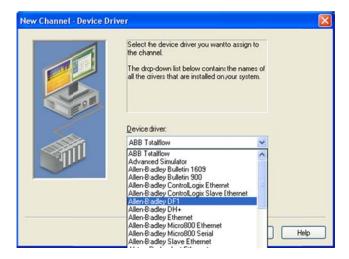
Start the server and click on New Channel Icon to add new channel.



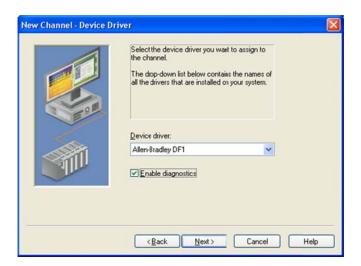
Name the new channel and click on Next.



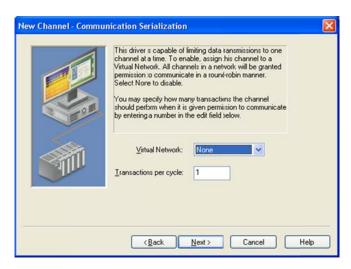
From the drop menu select Device driver as Allen Bradley DF1.



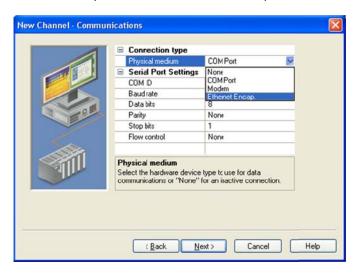
Click on Next.



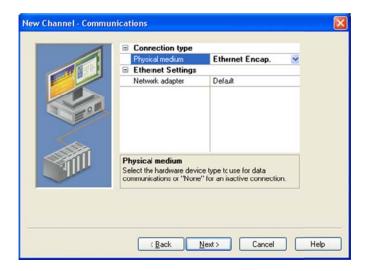
Click on Next



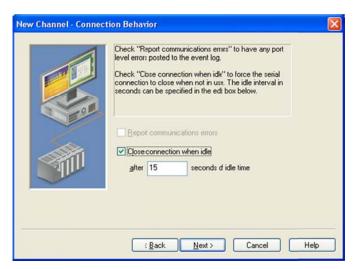
From the Drop menu select Ethernet Encap.



Click On Next.



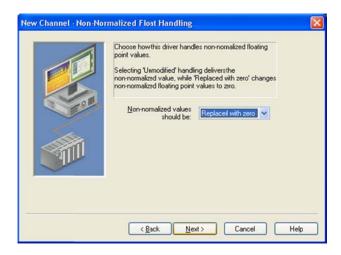
Click on Next.



Click On Next

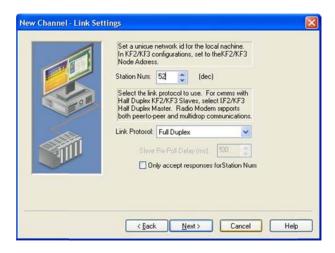


Click On Next

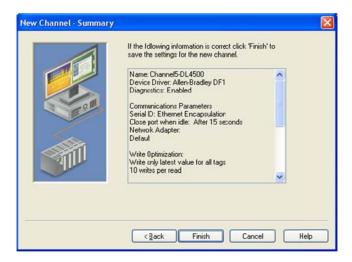


Enter node address number of the DL4500 as a station number (last octet of the IP address).

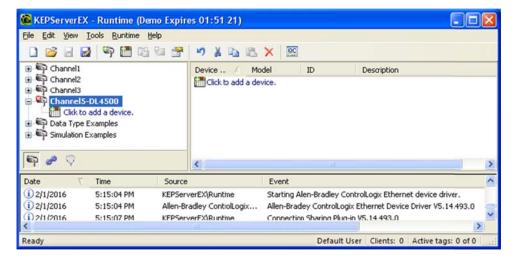
Note if the last Octet is greater than 63 then keep subtracting 64 from it until you get a number between 0-63.



Click on Finish



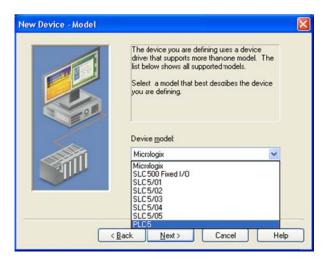
Click to add a device



Type a name for your device in our example we have the PLC5.



From the drop menu select PLC-5



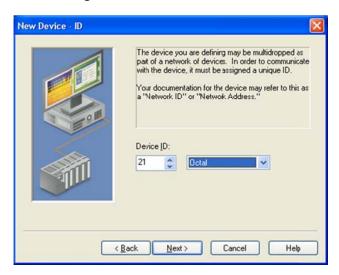
Click on Next.



Enter the PLC node address number and double check that the decimal is the equivalent of the DH+ octal address.



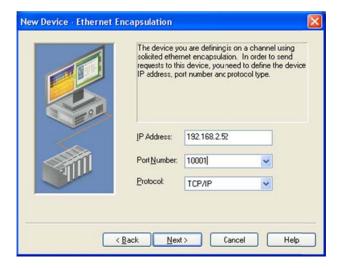
After making sure that the DH+ octal node address of the PLC-5 is right in octal as well click on next.



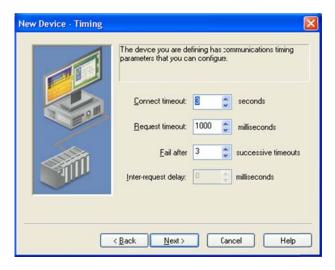
Click on Next



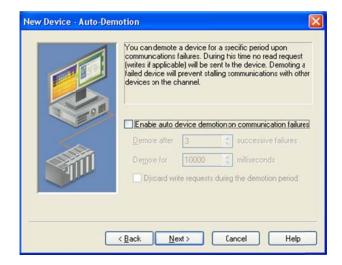
Enter the IP address of the DL4500 and the port 10001 and protocol as TCP/IP and click on Next.



Set the timing parameters and click on Next.



Click on Next



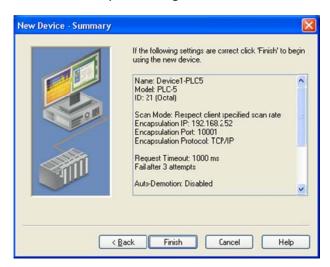
Make sure Error checking is on BCC and click on Next.



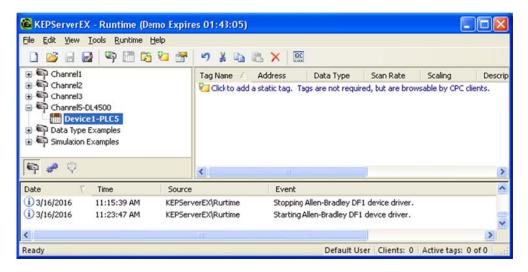
Click on Next



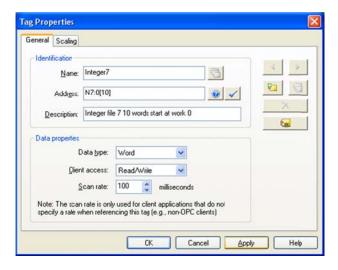
Make sure that your settings are correct then click on Finish.



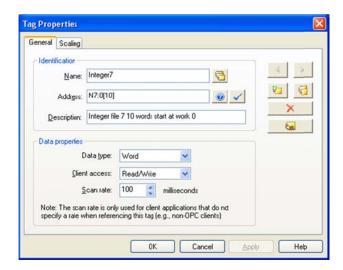
Click on add a static tag.



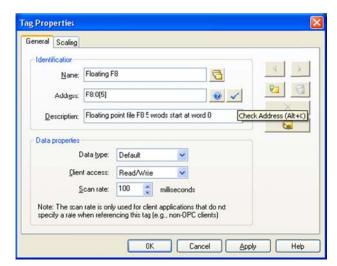
Enter tag name and address (here we entered, integer file N7) then click Apply



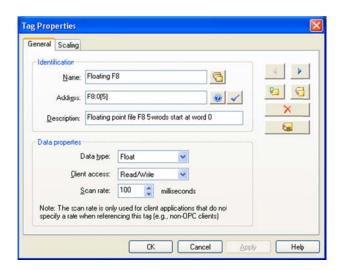
Click on Ok

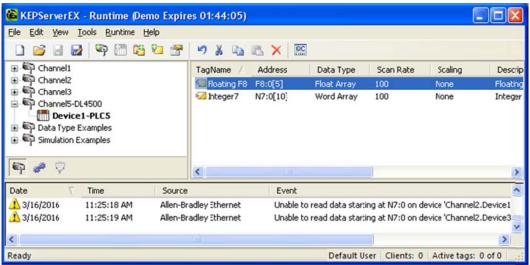


Add another tag here we added Floating point file8 click on Apply.

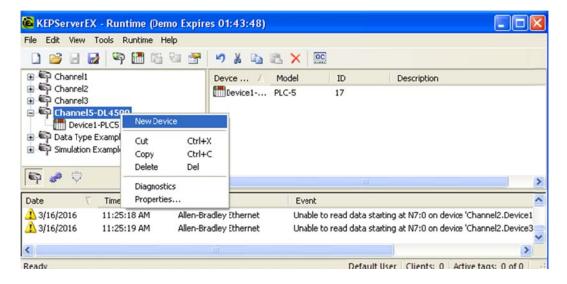


Click on OK.





Now to add another device click on New Device, in our case we added a SLC504.



Name the device



Under Device Model select SLC5/04



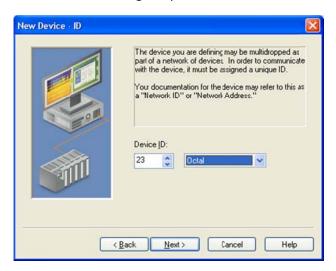
Click on Next



Select the Device ID



Make sure it is the right equivalent of the Octal value.



Click on Next.



Enter the IP address of the DL4500 and the port 10001 and protocol as TCP/IP and click on Next.



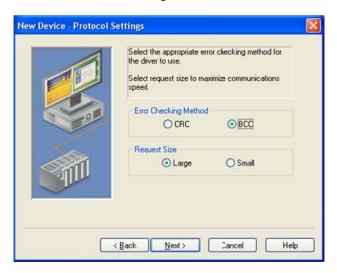
Enter timing parameters.



Click on Next.



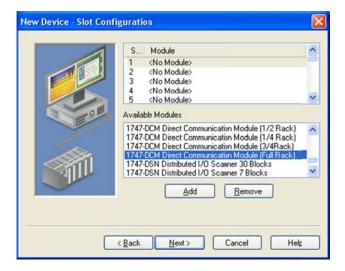
Make sure Error Checking Method is BCC.



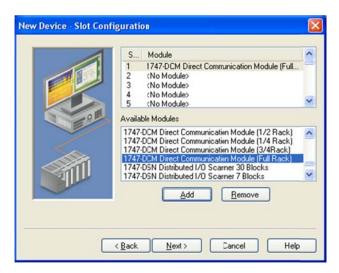
Select Float support yes or No then click on Next.



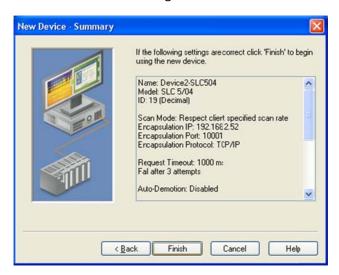
Select the SLC module and click on Add.



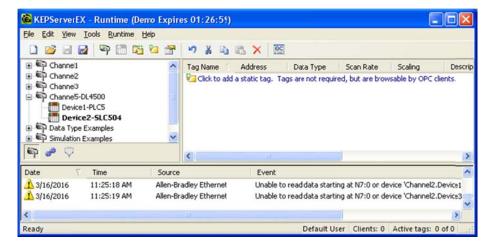
Click on Next



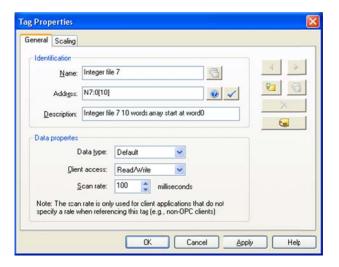
Make sure that the settings are correct and click on Finish.



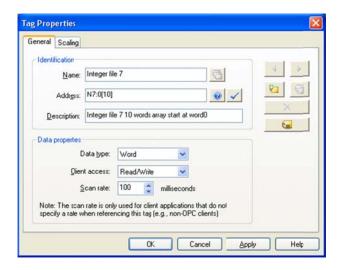
Click on add Static tag.



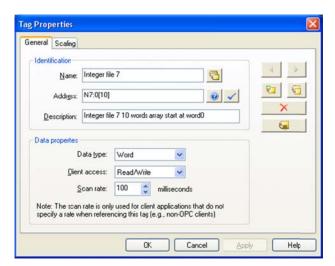
Enter Tag properties here we selected Integer file N7.



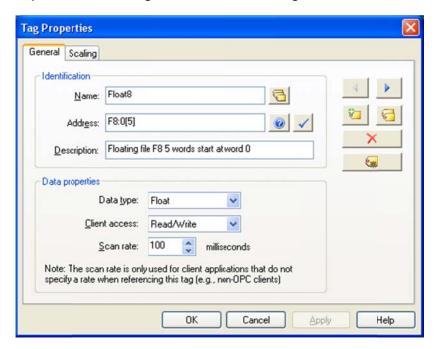
Click on Apply.



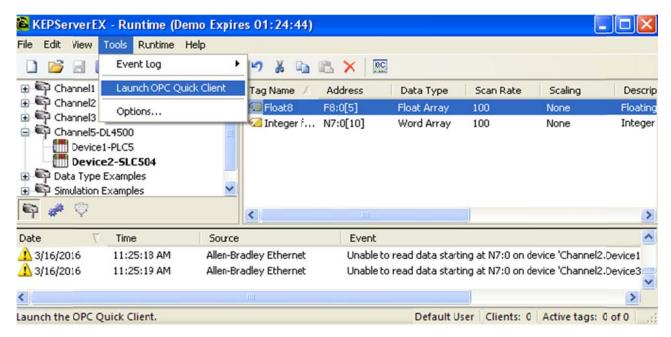
Click On Ok.



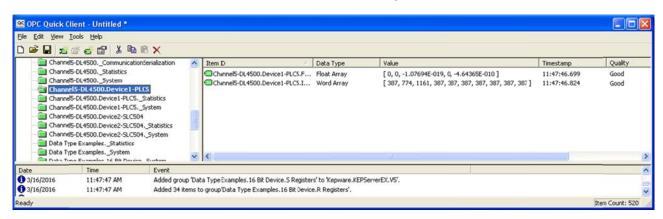
Repeat for another tag, here we added Floating file F8 the click on Ok.



To test, under tool select Launch OPC Quick Client.



Click on the channel Device as shown to see the values of the tags for the PLC5



Repeat for the SLC504

