DOCUMETATION FOR:

ABCIP CONFIGURATION

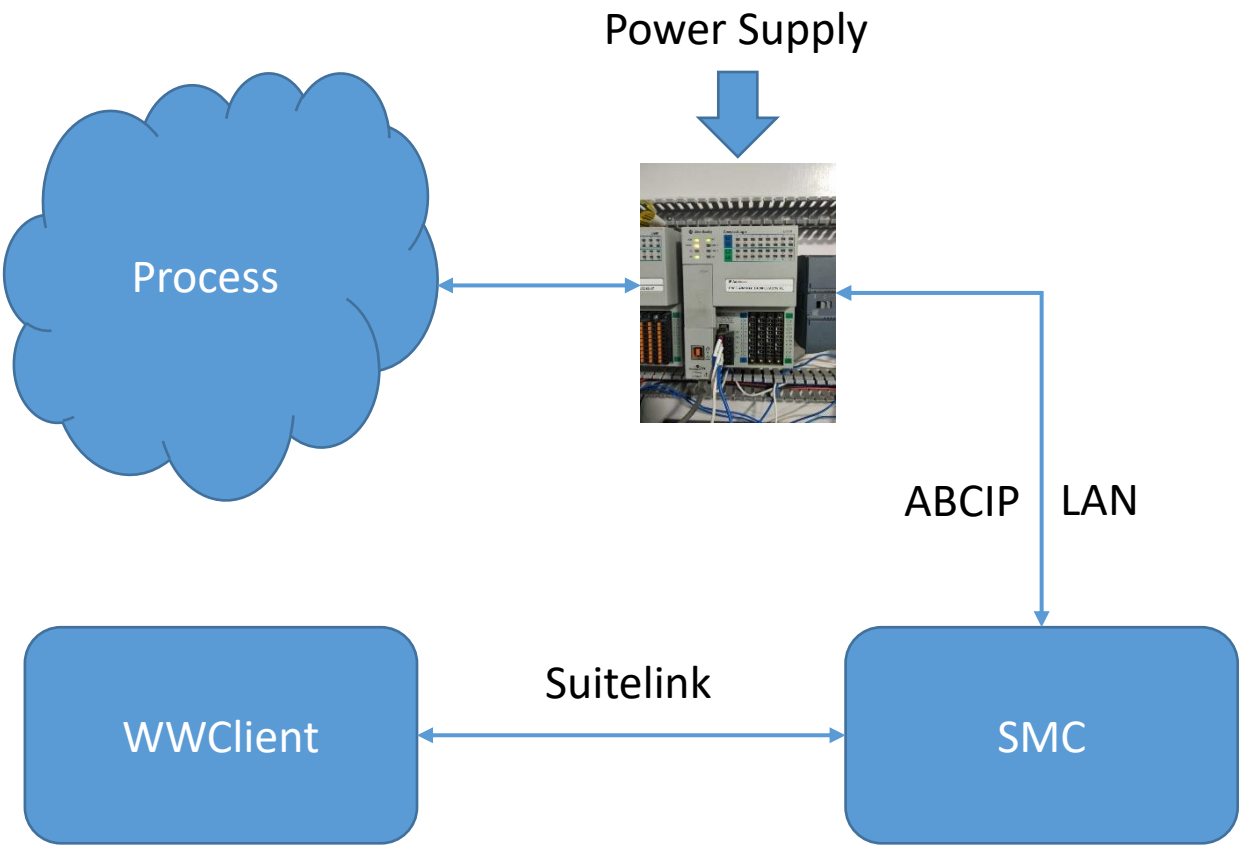
Prepared by

ASHLIN ANTONY

Contents

OI ABCIP CompactLogix Configuration

Allen-Bradley Compact logix Hardware Setup



The Wonderware ABCIP OI (Operations Integration) Server is a Microsoft Windows application that allows client applications direct and indirect access to Allen-Bradley families of ControlLogix, GuardLogix, FlexLogix, CompactLogix, SoftLogix 5800, MicroLogix, PLC-5, and SLC500 controllers.

The OI Server does not require any Rockwell Software RSLinx™ package

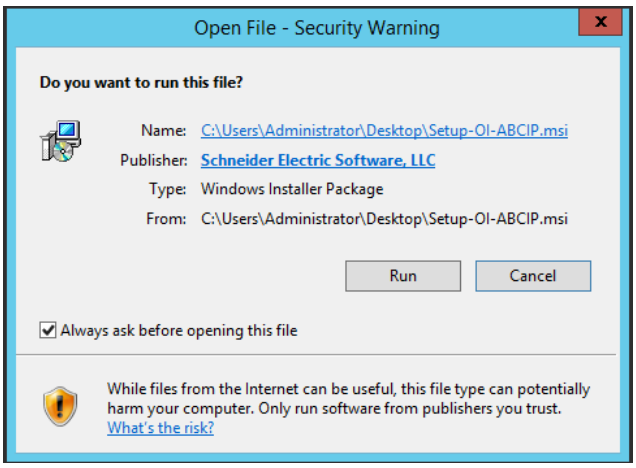
The ABCIP OI Server communicates with supported devices either directly or indirectly across the following device networks:

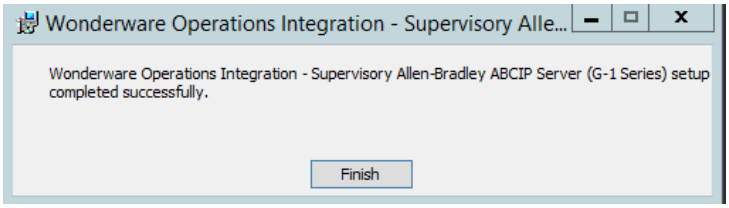
- ControlNet
- Data Highway 485 (DH485)
- Data Highway Plus (DH+)
- DeviceNet
- Ethernet

The ABCIP OI Server will provide direct and indirect connectivity to the following Allen-Bradley controllers:

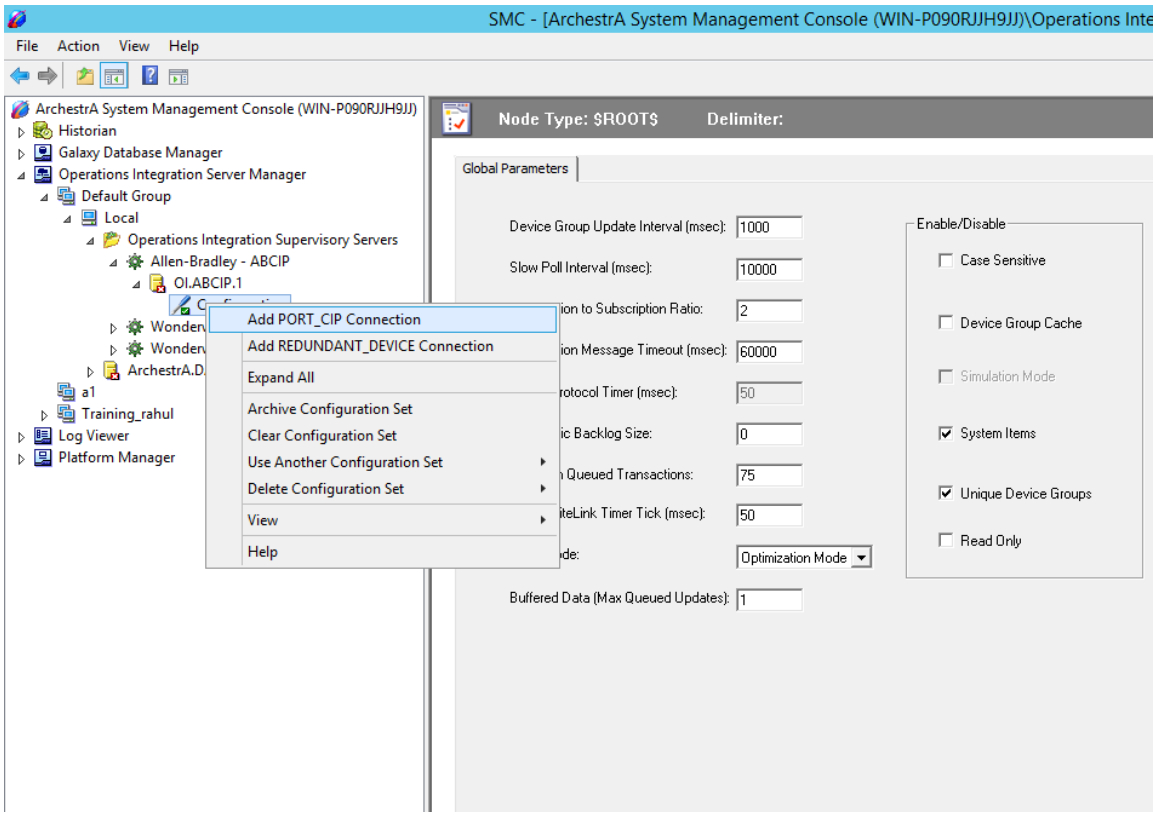
- ControlLogix Controllers
- GuardLogix Controllers
- SoftLogix 5800 Controllers
- CompactLogix Controllers
- FlexLogix Controllers
- MicroLogix Controllers
- PLC-5 Controllers
- SLC500 Controllers

1. Install ABCIP OI After installation it will show in the SMC.

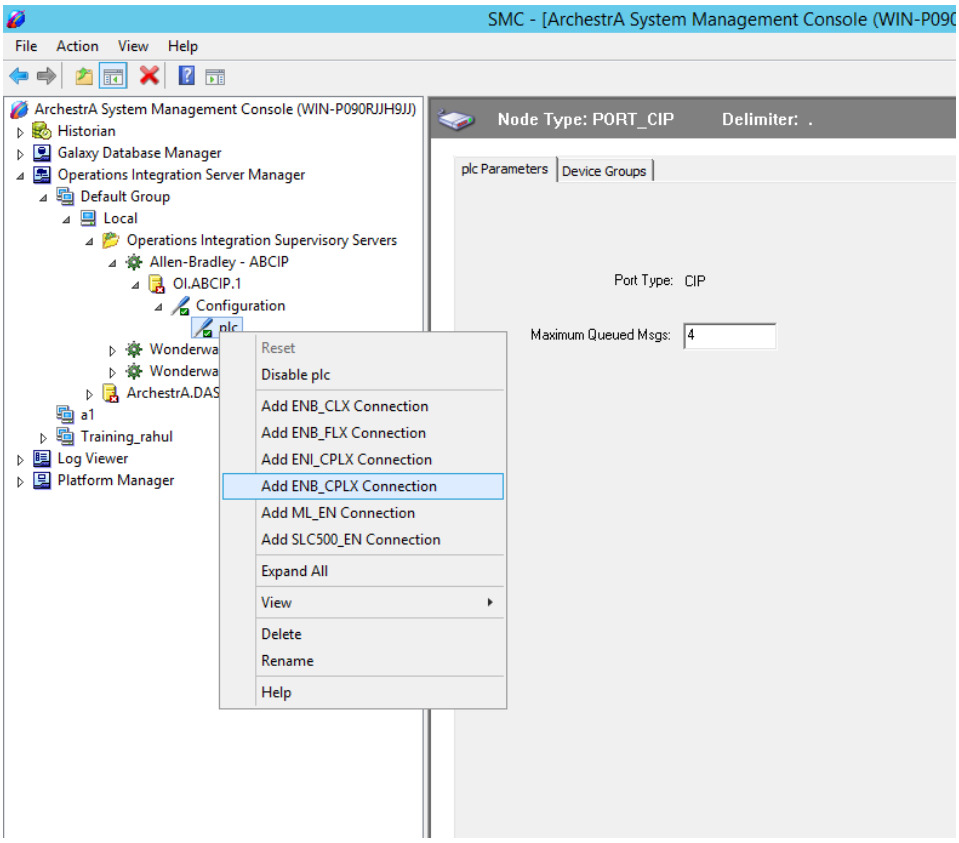




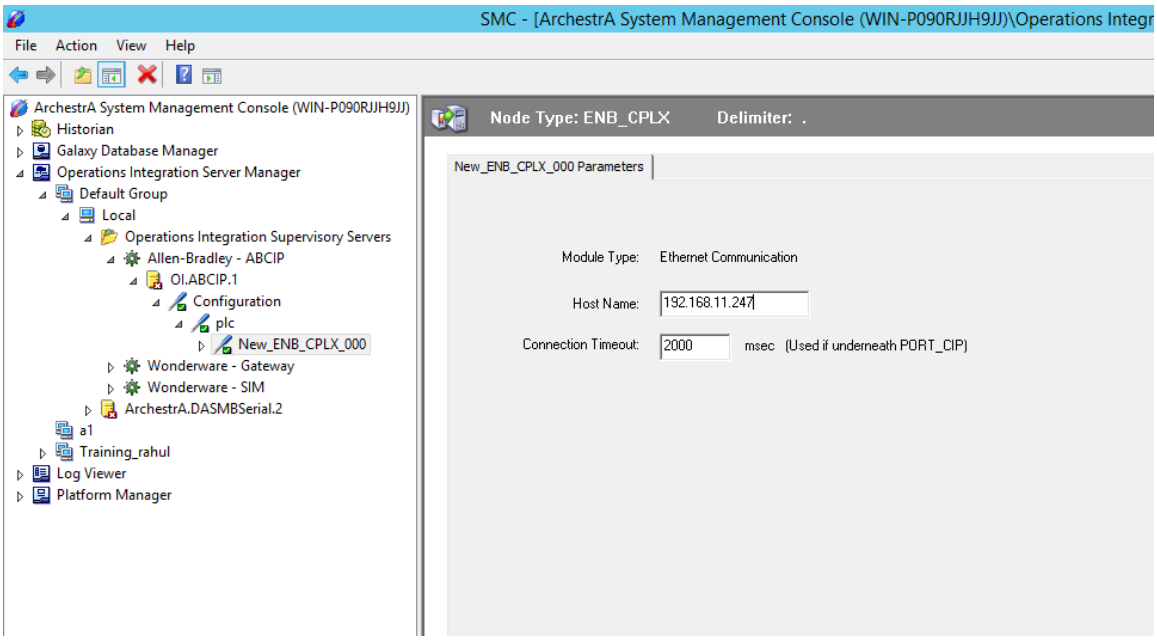
2. Navigate to the Operations Integration Supervisory Sensors – Allen- Bradley ABCIP and right click on the configuration and add PORT_CIP Connection.



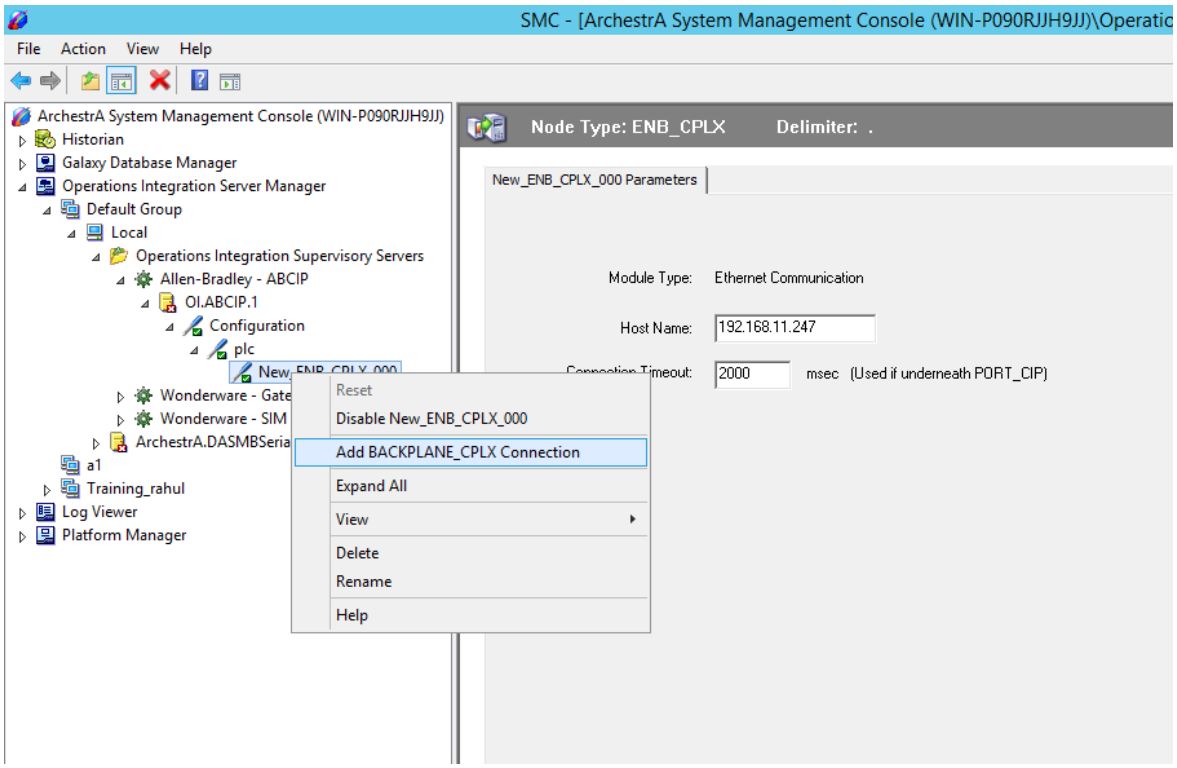
3. Add ENB_CPLX Connection (For CompactLogix)

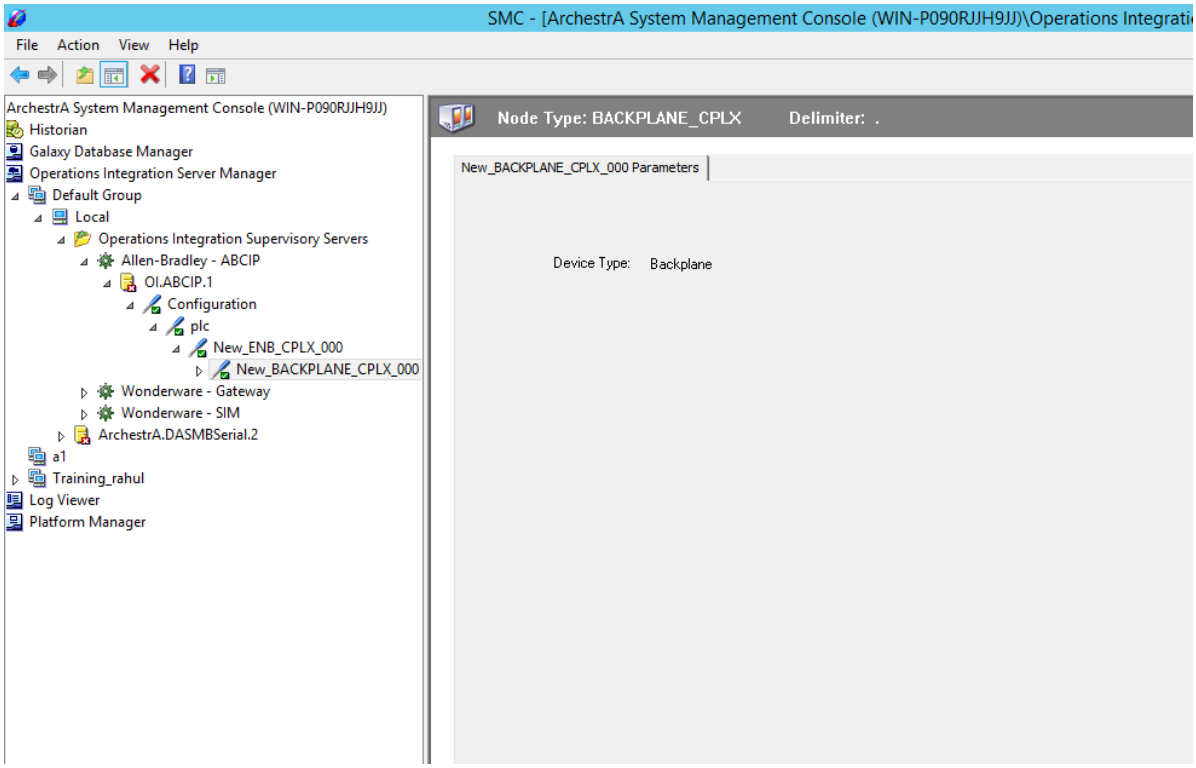


4. Enter IP Address of PLC and Save it.

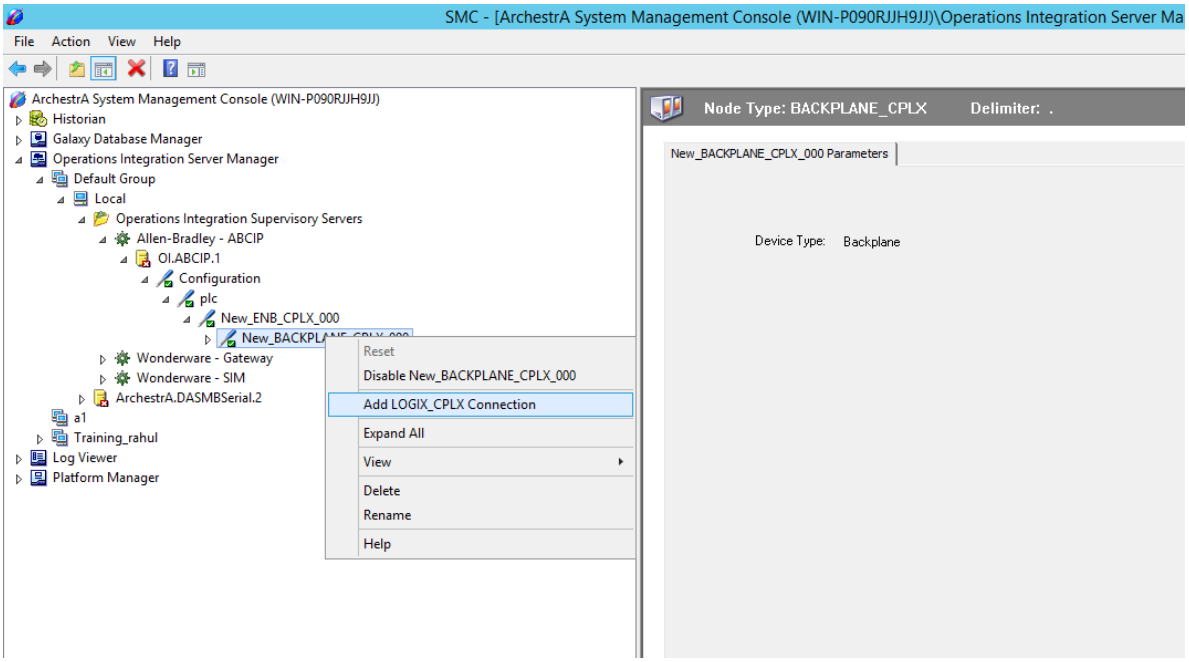


5. Add BACKPLANE_CPLX connection.

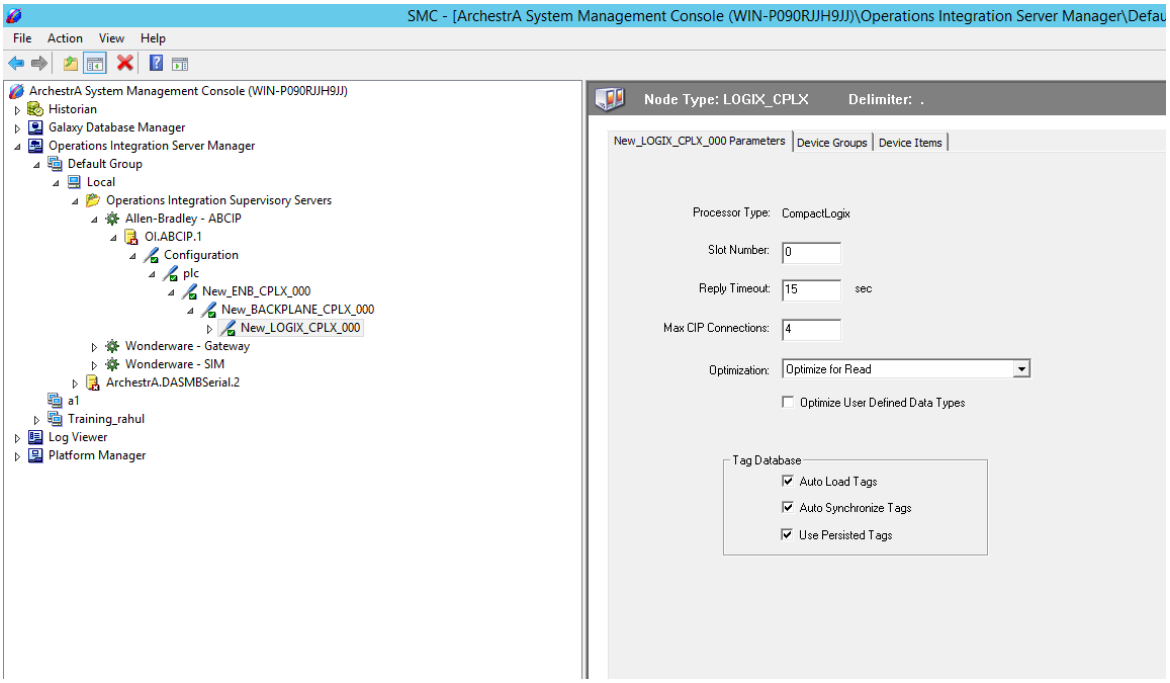


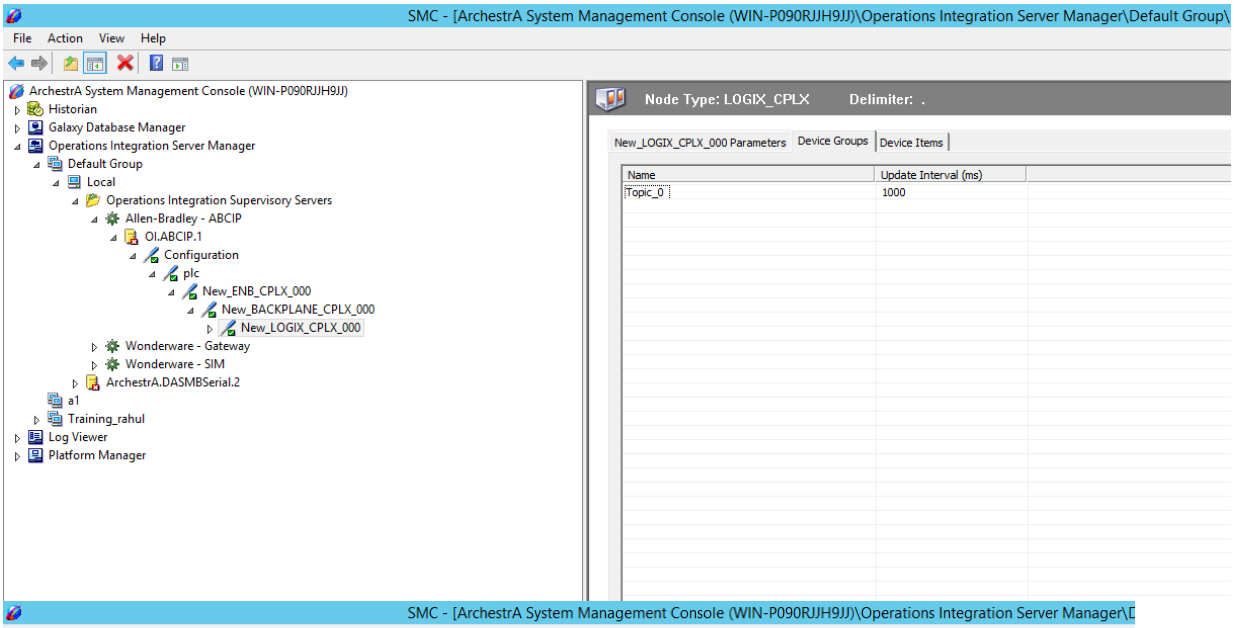


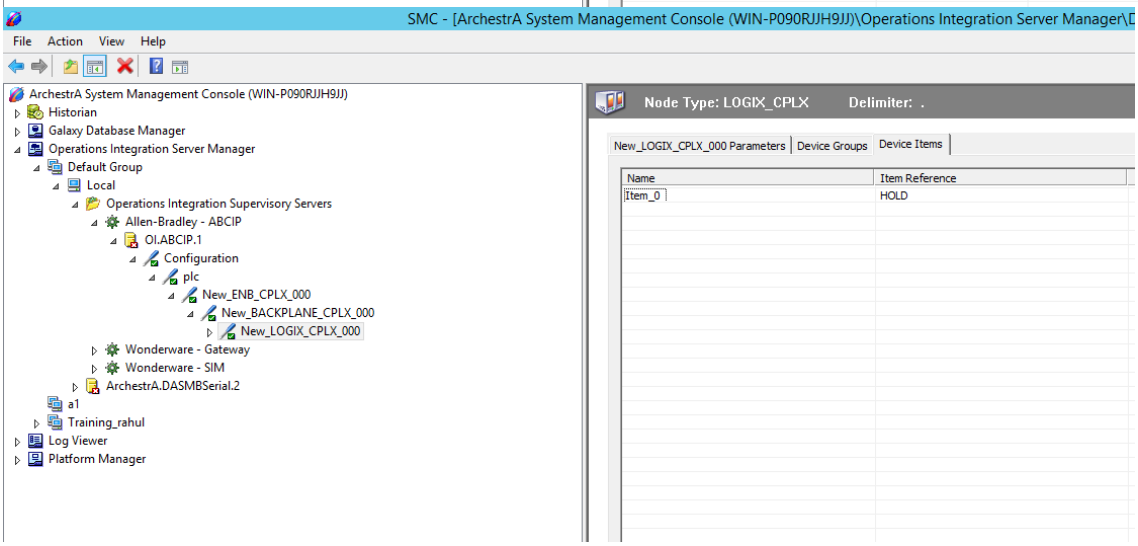
6. Add Logix_CPLX Connection.



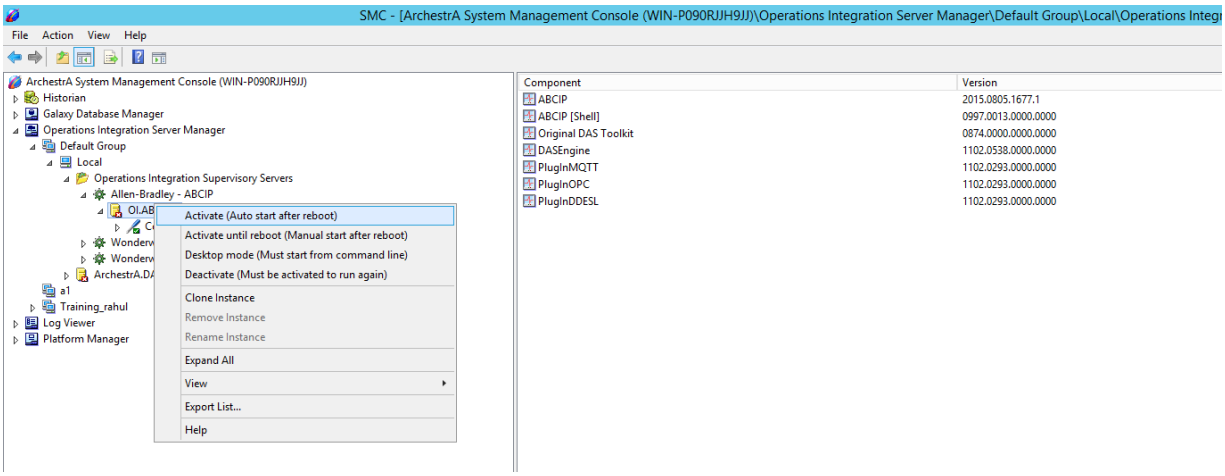
7. Add Device Group and device items



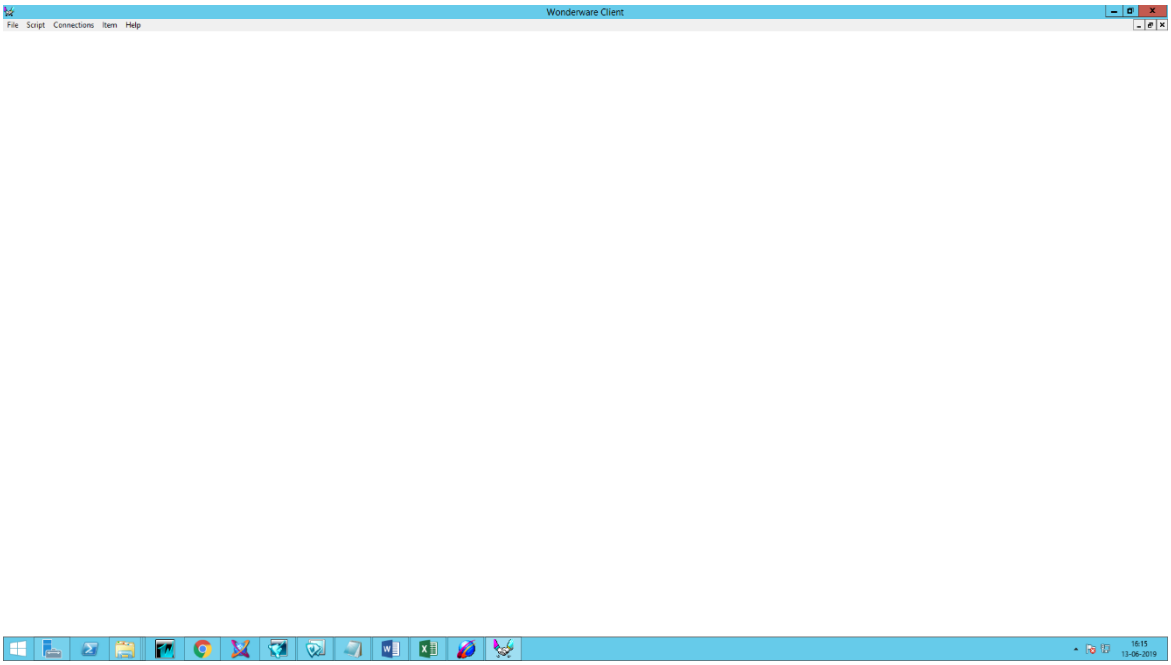




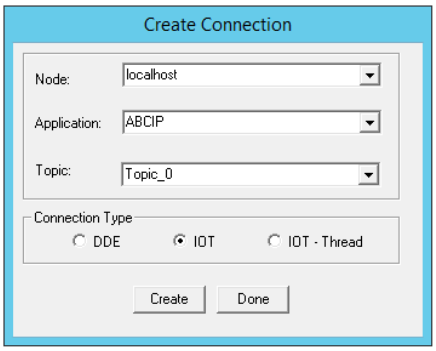
8. Activate OI ABCIP Server



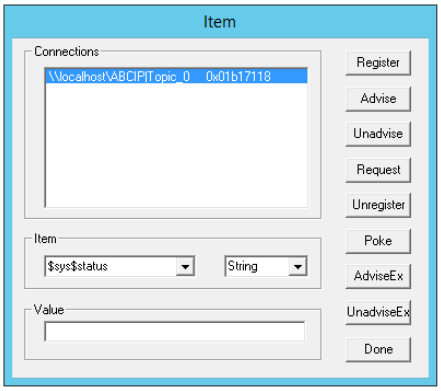
9. Open WW Client.



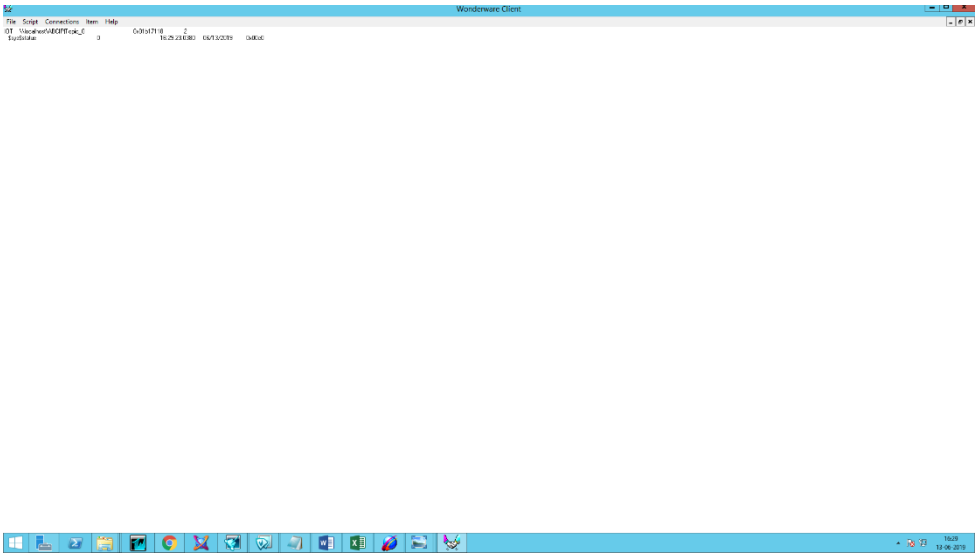
10. Go to connection and create connection.(Topic_0 for example)



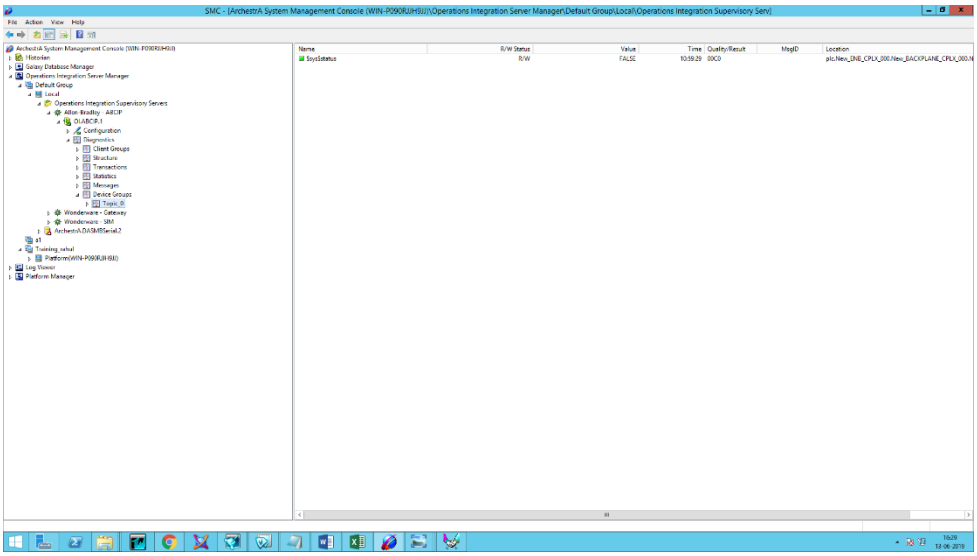
11. Go to item and add item.



12. Now tags will show in the wonderware client.

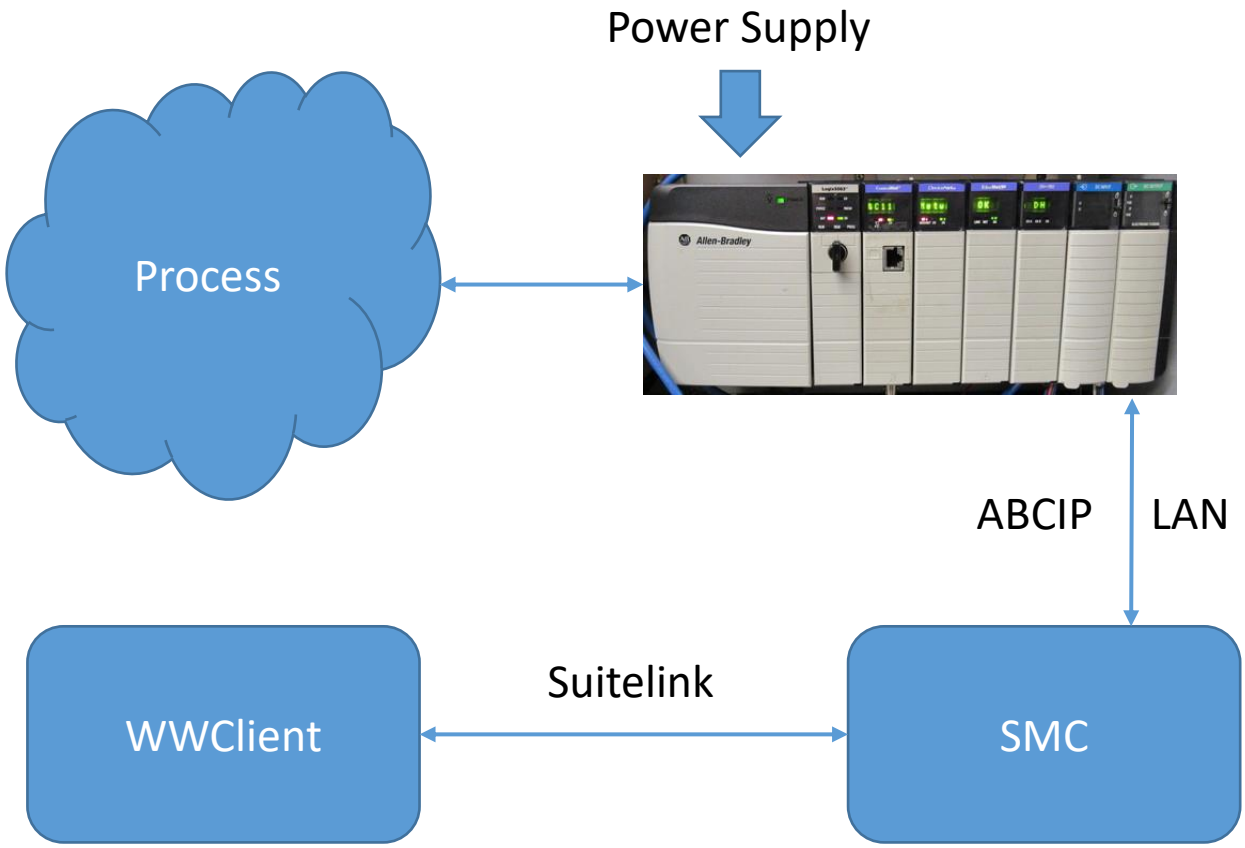


13. You can also view that data in SMC in Diagnostics.

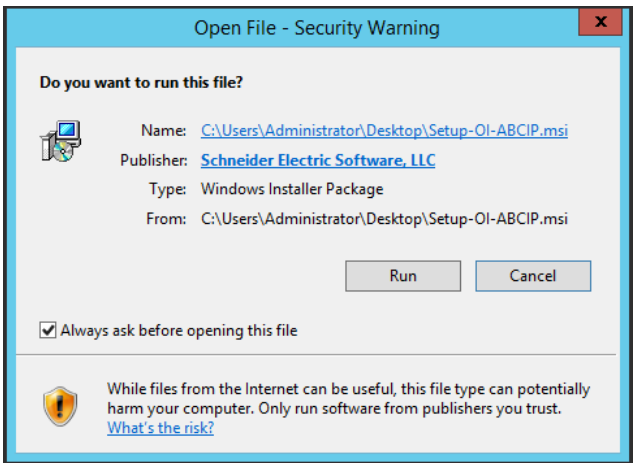


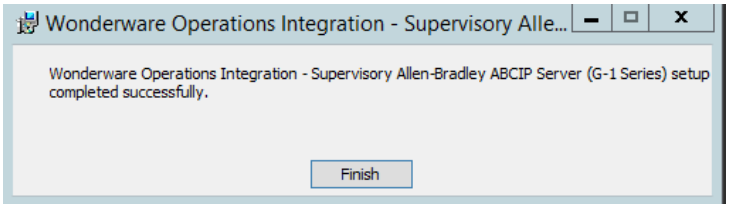
OI ABCIP ControlLogix Configuration

Allen-Bradley Control logix Hardware Setup

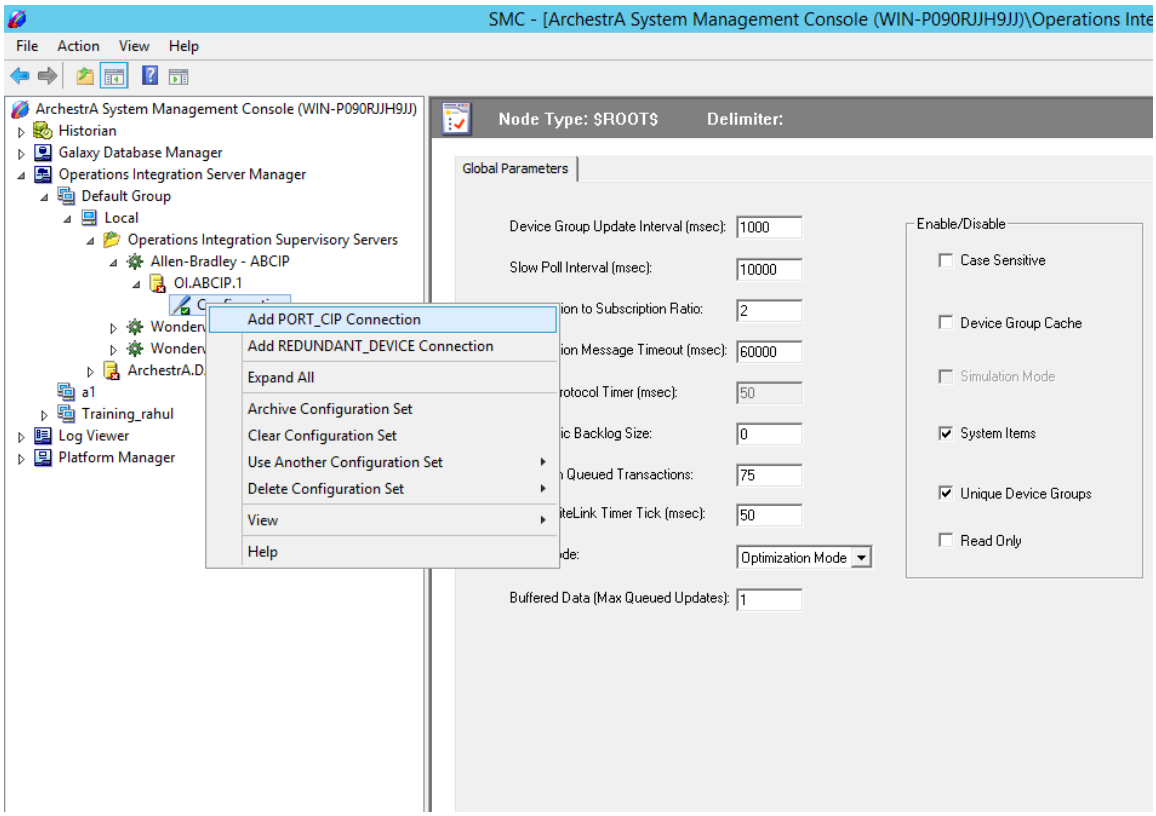


1. Install ABCIP OI After installation it will show in the SMC.

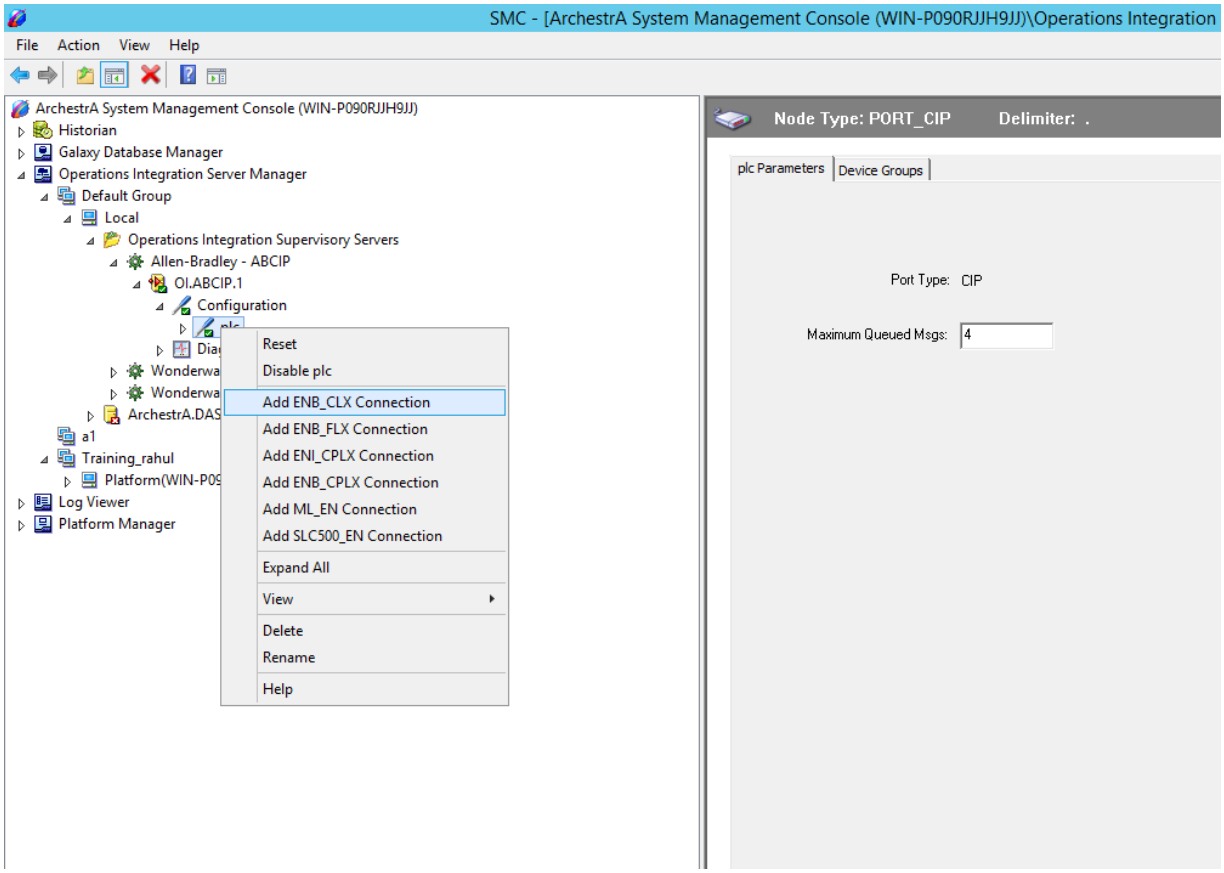




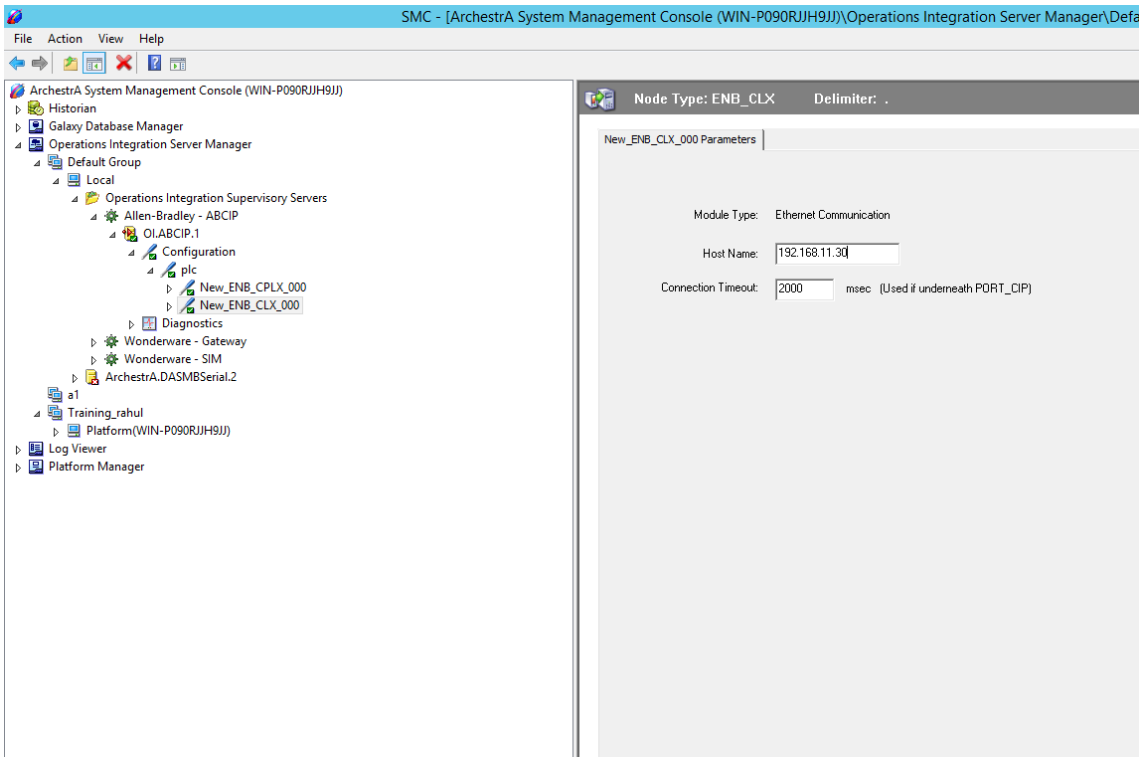
2. Navigate to the Operations Integration Supervisory Sensors – Allen- Bradley ABCIP and right click on the configuration and add PORT_CIP Connection



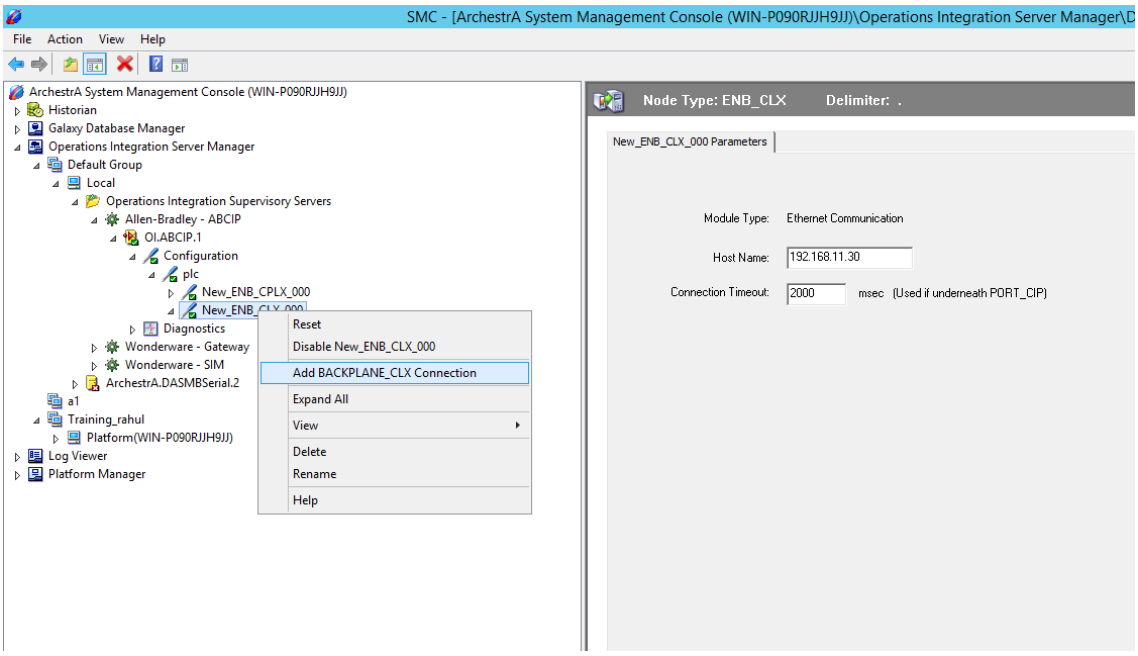
3. Click on PLC and add ENB_CLX Connection

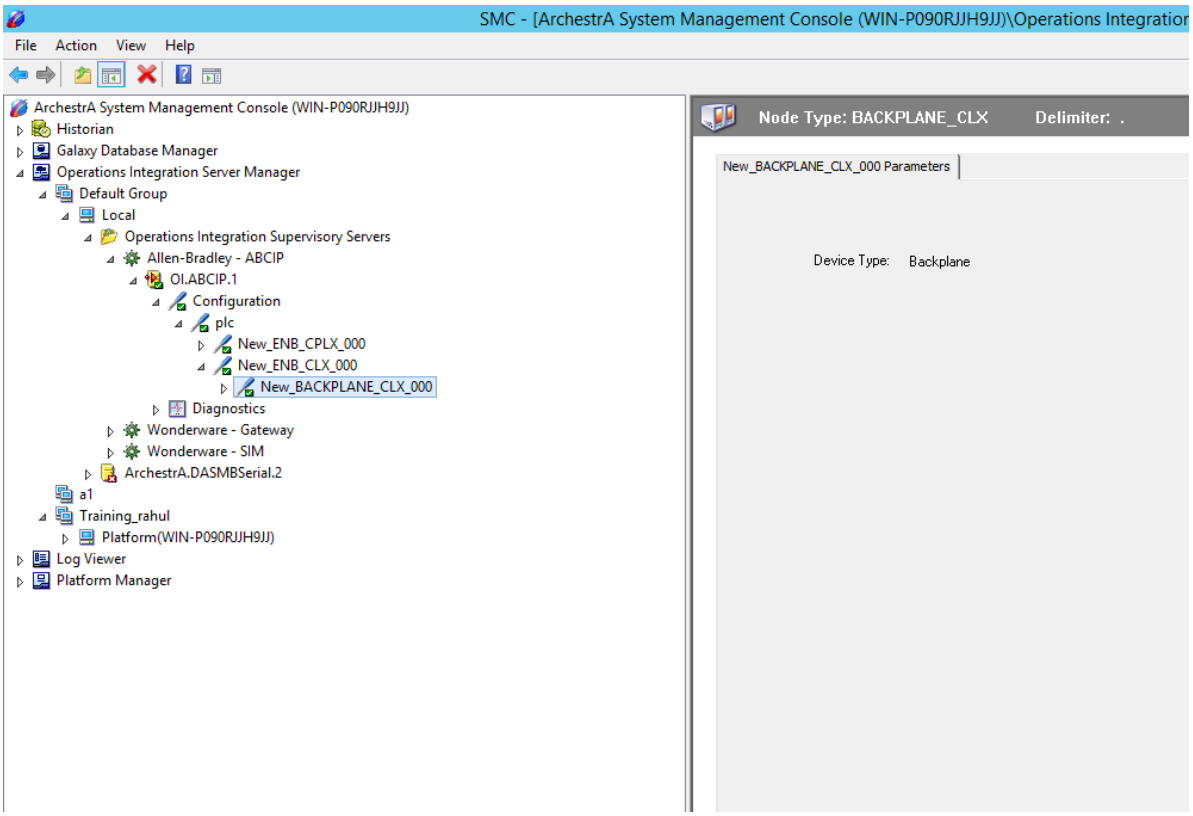


4. Enter IP Address of PLC

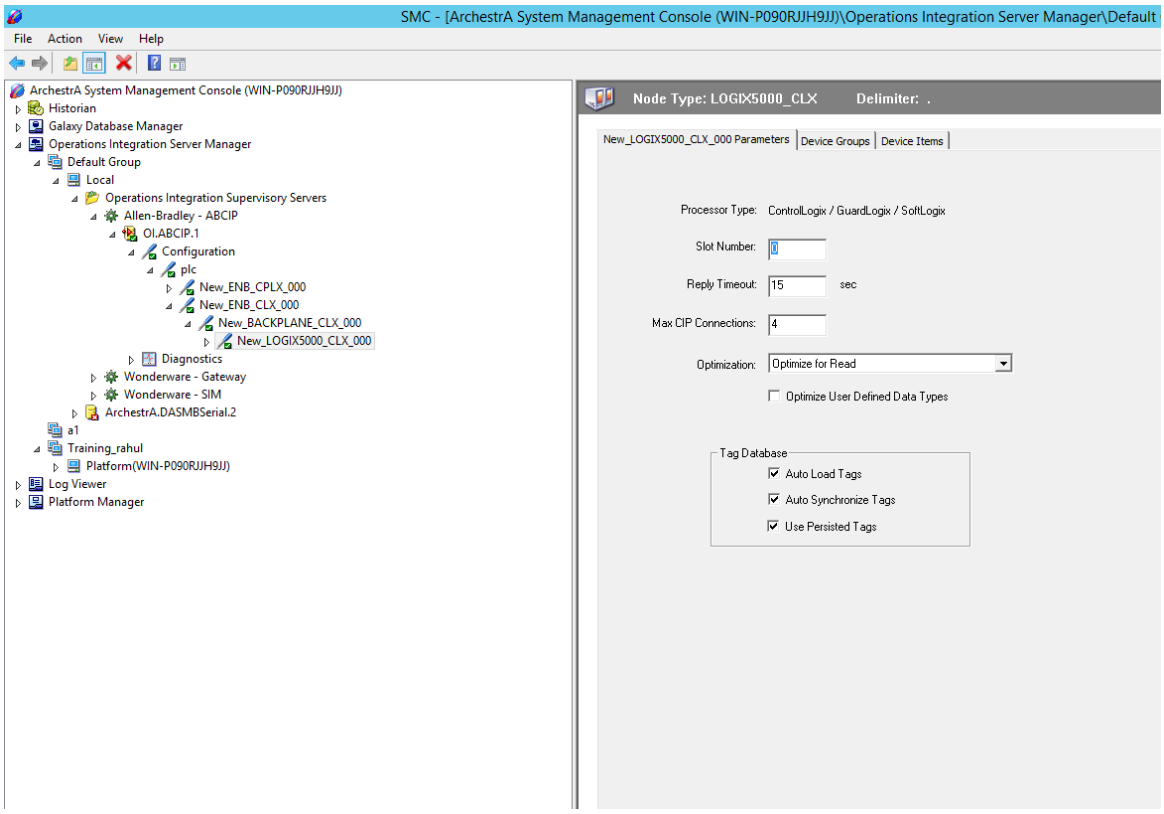


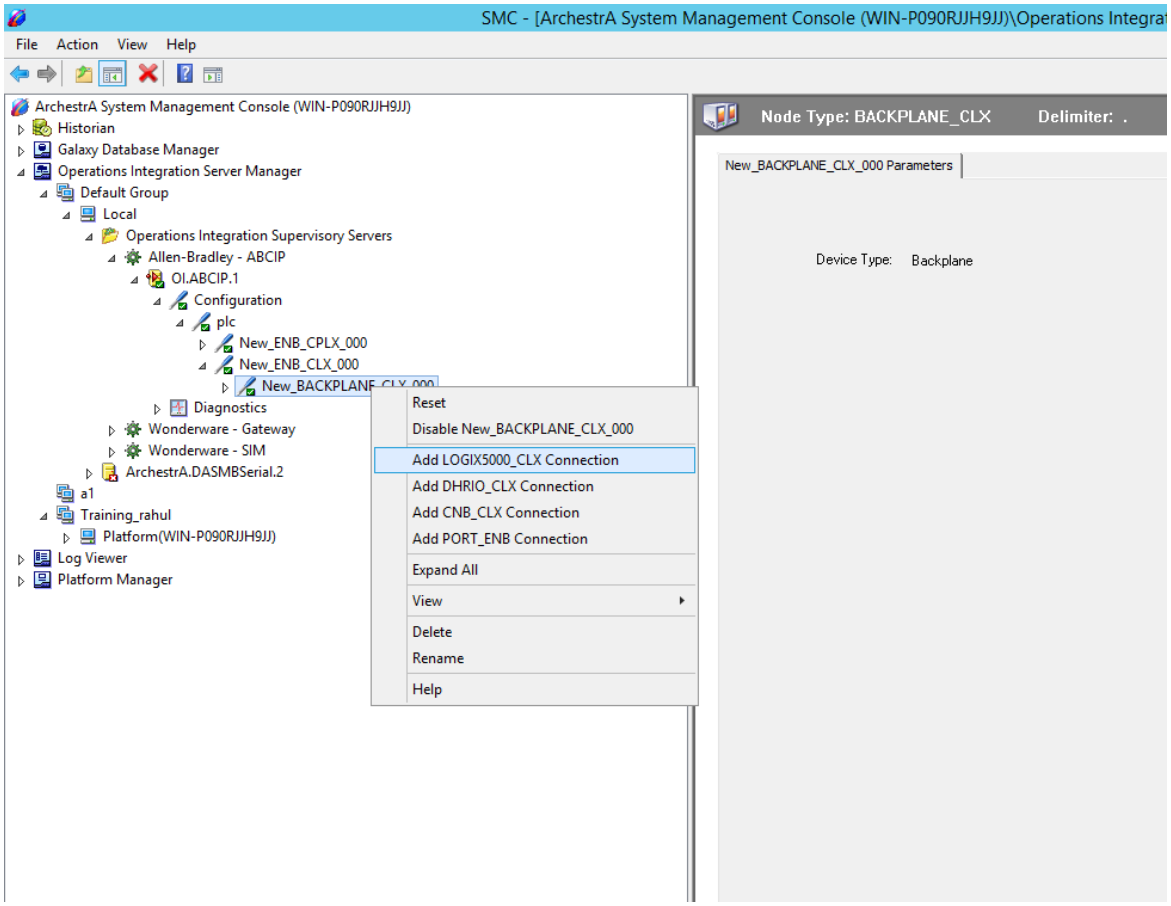
5. Right click on ENB_CLX_000 and Add Backplane_CLX Connection

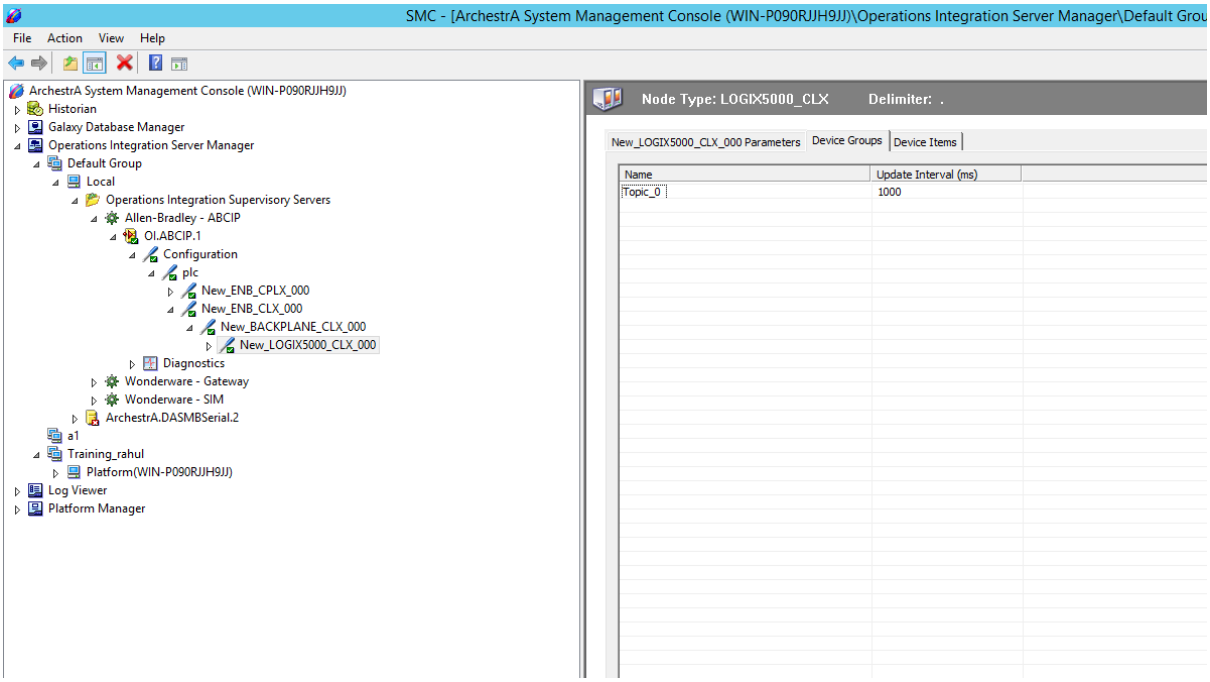


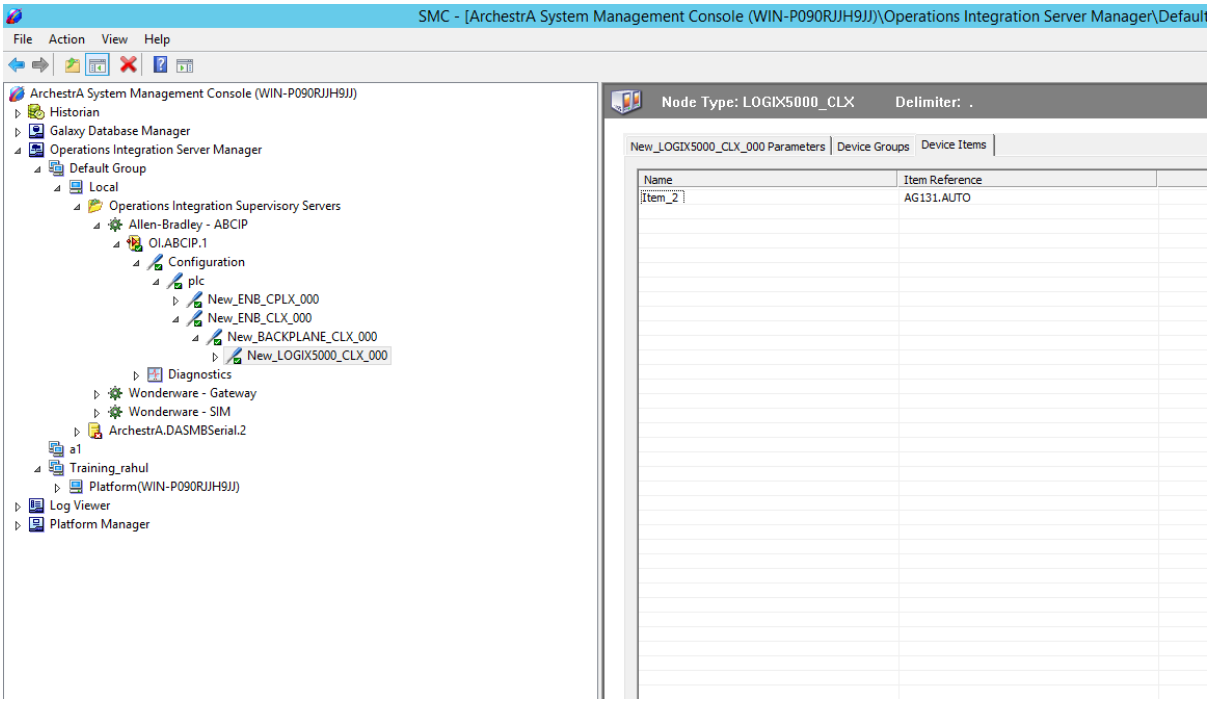


6. Right Click on Backplane and add Logix 5000 Connection and add device Group and device items.







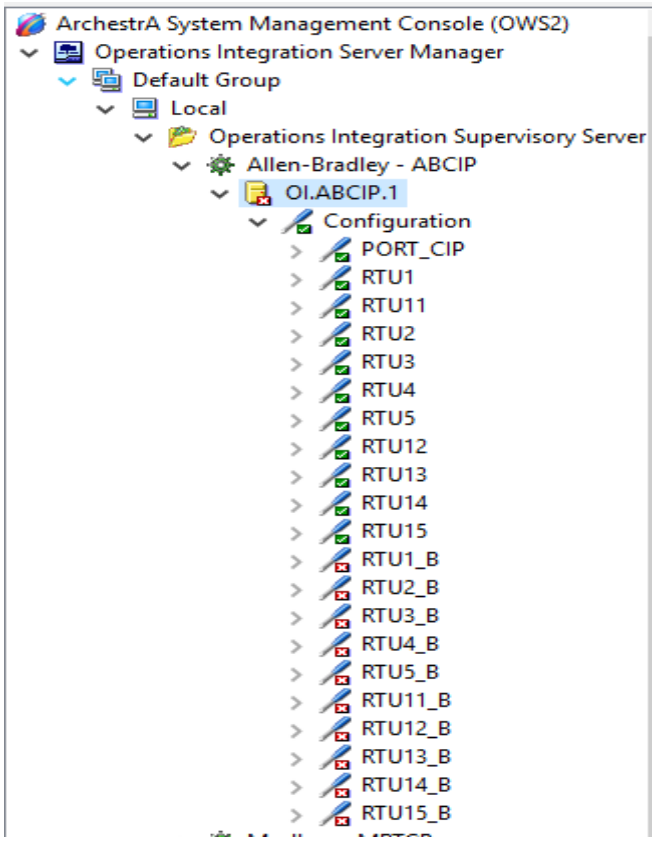


7. Now open WW Client and check connectivity of tags as described above.

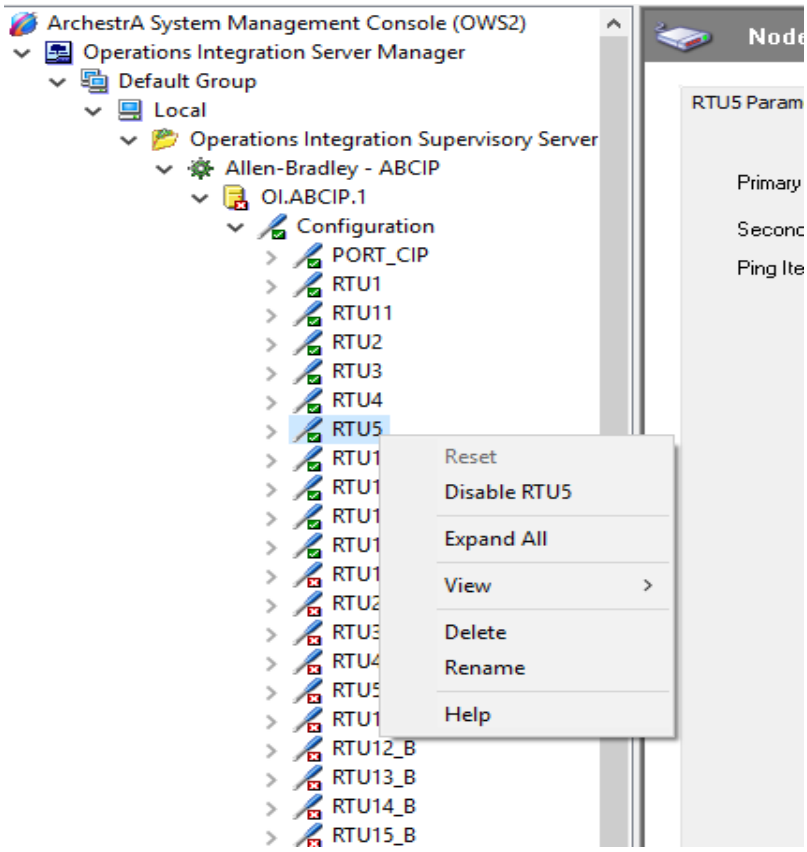
How to Disable and Enable ABCIP RTU configuration:

Open System management Console from start menu ->Wonderware Utility ->System management Console.

Open and brows OI.ABCIP.1 ->Configuration as shown in Image.

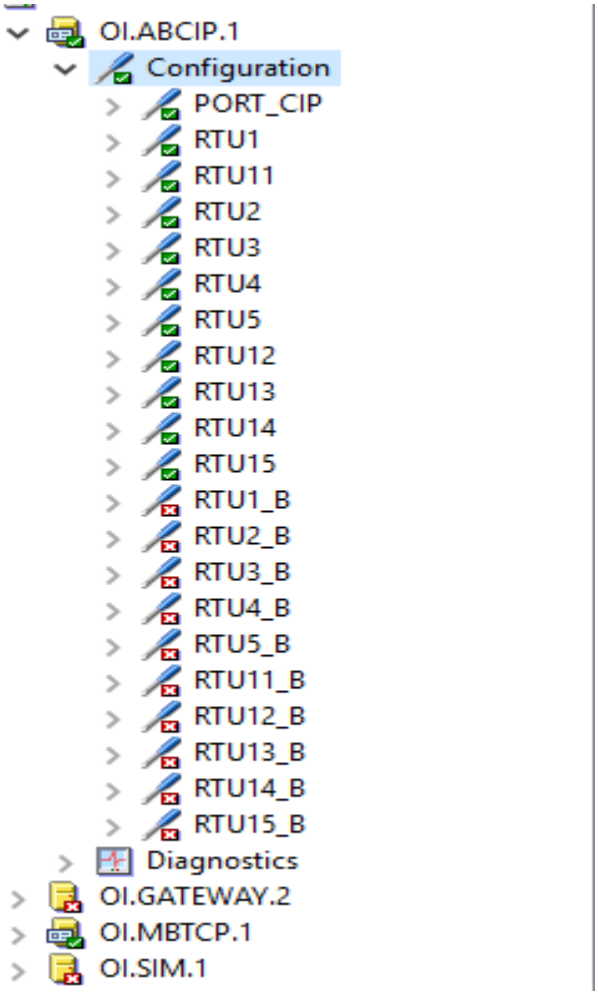


Select RTU which require to Disable and Right Click on it

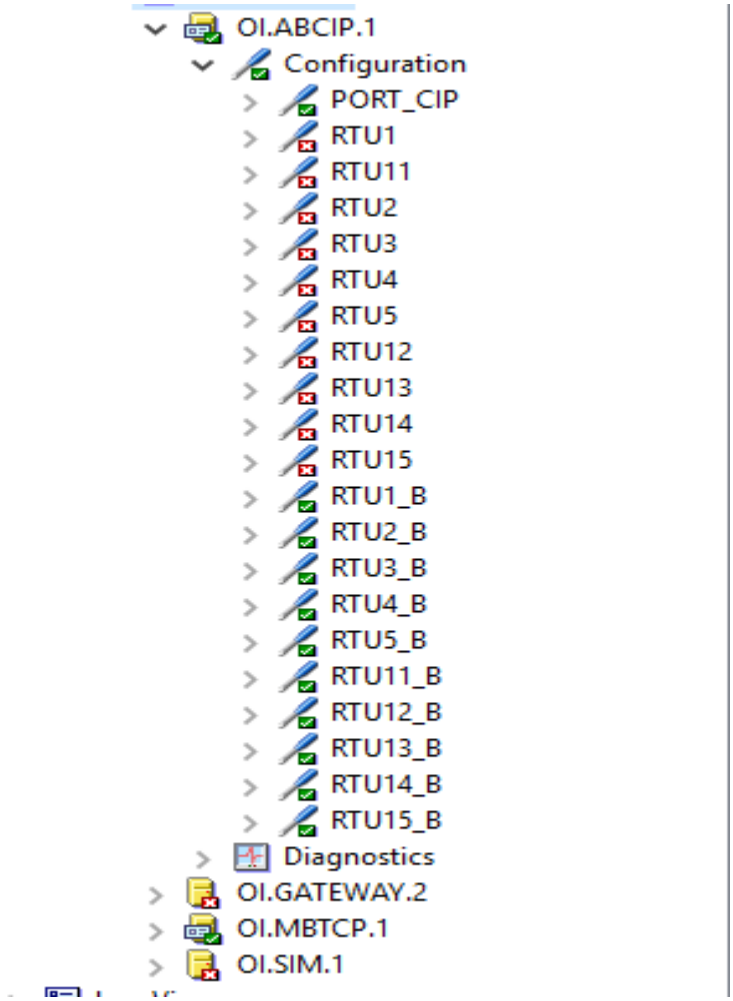


Here RTU1 to RTU5 and RTU 11 to RTU 15 are Configuration file for Branch Line and Here RTU1_B to RTU5_B and RTU 11_B to RTU 15_B are Configuration file for Main Line.

ABCIP Configuration require for branch line SCADA Application Running:



ABCIP Configuration require for main line Scada Application Running:



END