

## Day 20 – Using Data Store to display custom graph over time

### Testing Challenge:

Test Engineers need to track statistics over time in a graph and use the graph in a test report.

Example: The traffic rate needs to be monitored for one hour to understand what happens during this period.

### IxNetwork 5.40 Solution:

In IxNetwork 5.40, users can enable “Data Store” on Custom Graph to display interested statistics for a period of time.

How is this done in IxNetwork 5.40?

1. Create a custom graph for interested statistics. Eg, “Tx Frame Rate” and “Rx Frame Rate”

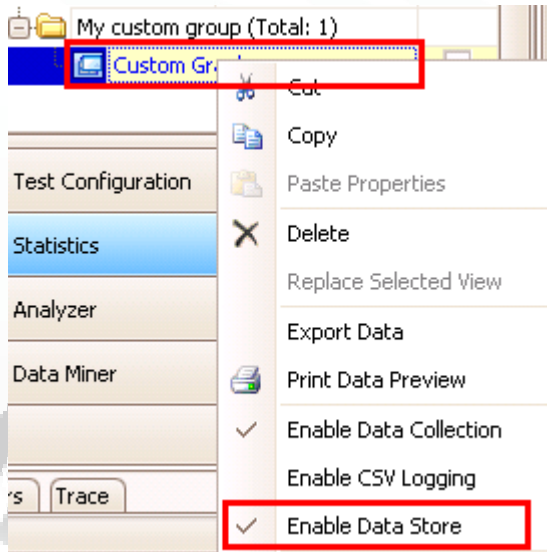
Tx Frame Rate	Rx Frame Rate	Rx Bytes	Rx Rate (Bps)	Rx Rate (bps)	Rx Rate (Kbps)	Rx Rate (Mbps)
277,477.000	277,477.000	1 259 245	35 517 056.000	284 136,448....	284,136.448	284.136
277,477.000	277,4			7,472....	284,137.472	284.137
277,478.000	277,4			7,472....	284,137.472	284.137

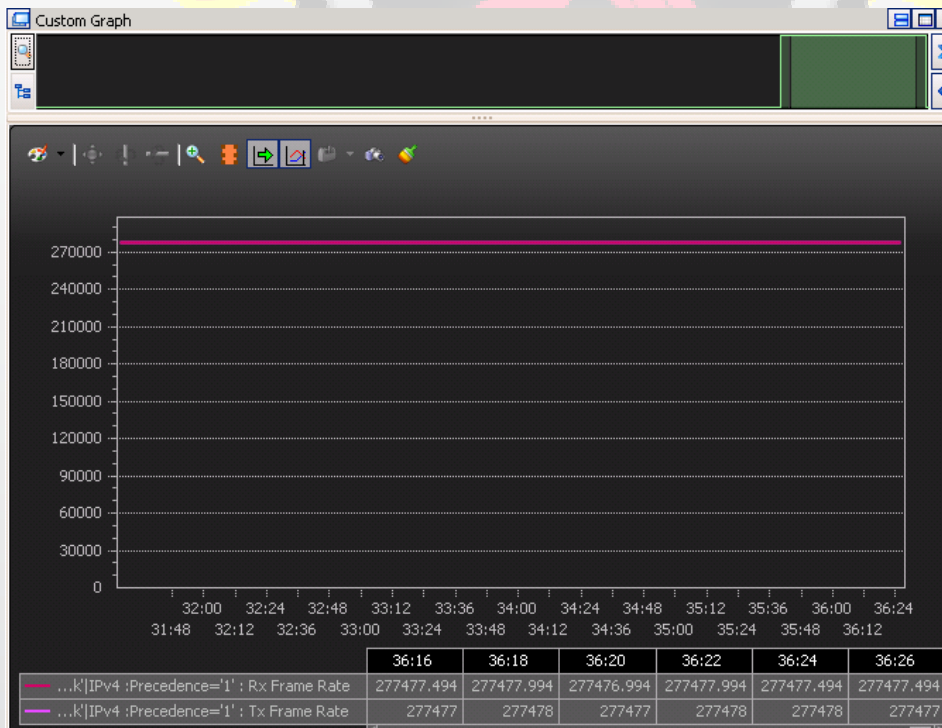
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2. Enable “Data Store” by right click on custom graph view in statistics view tree. Without “Data Store”, only latest 5 minutes data are saved. With “Data Store”, the statistics for each polling interval is saved in database.

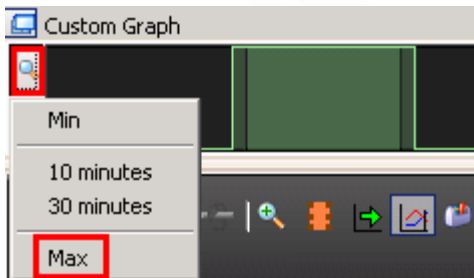


3. Let test run for the desired time period.

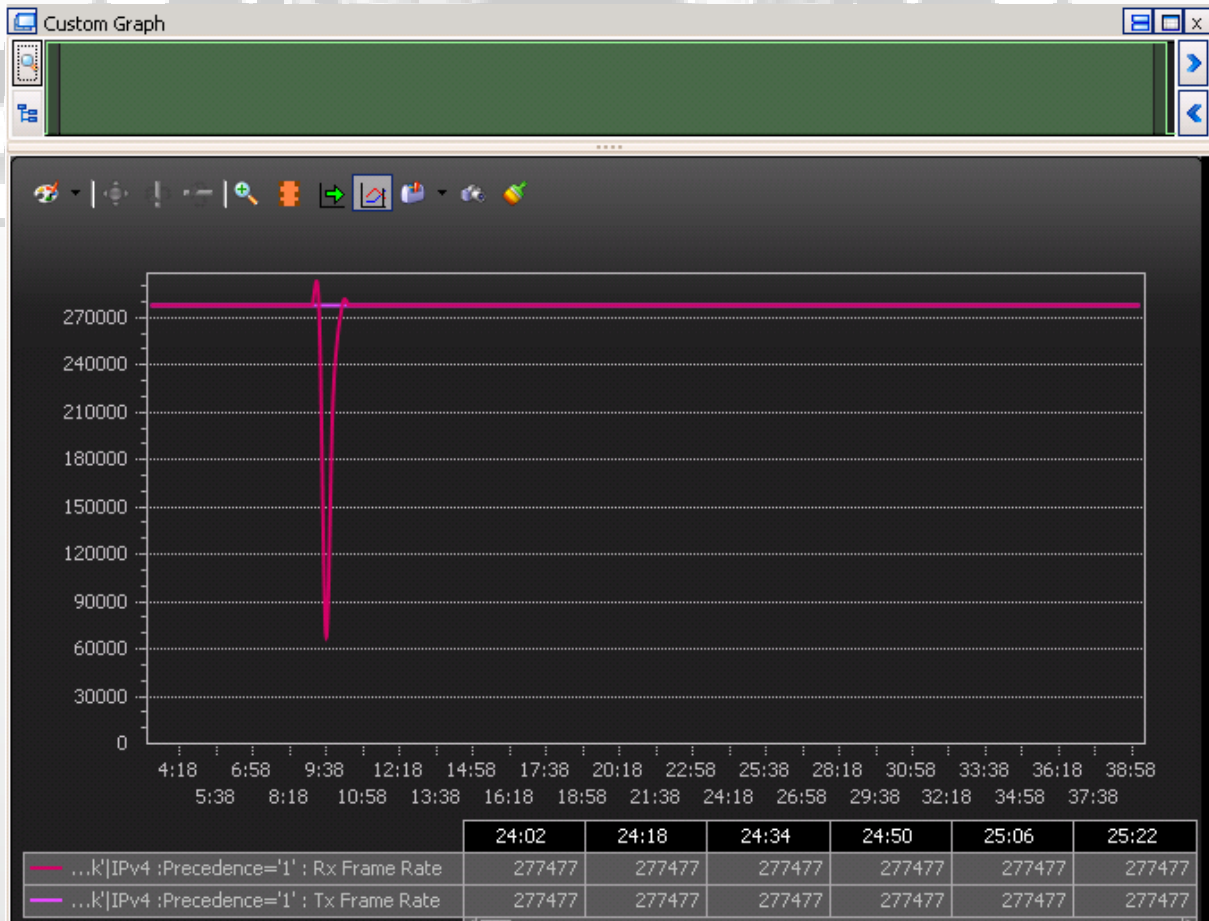


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4. Look at the entire period of "Tx Frame Rate" and "Rx Frame Rate" by setting display area to 'Max' period.

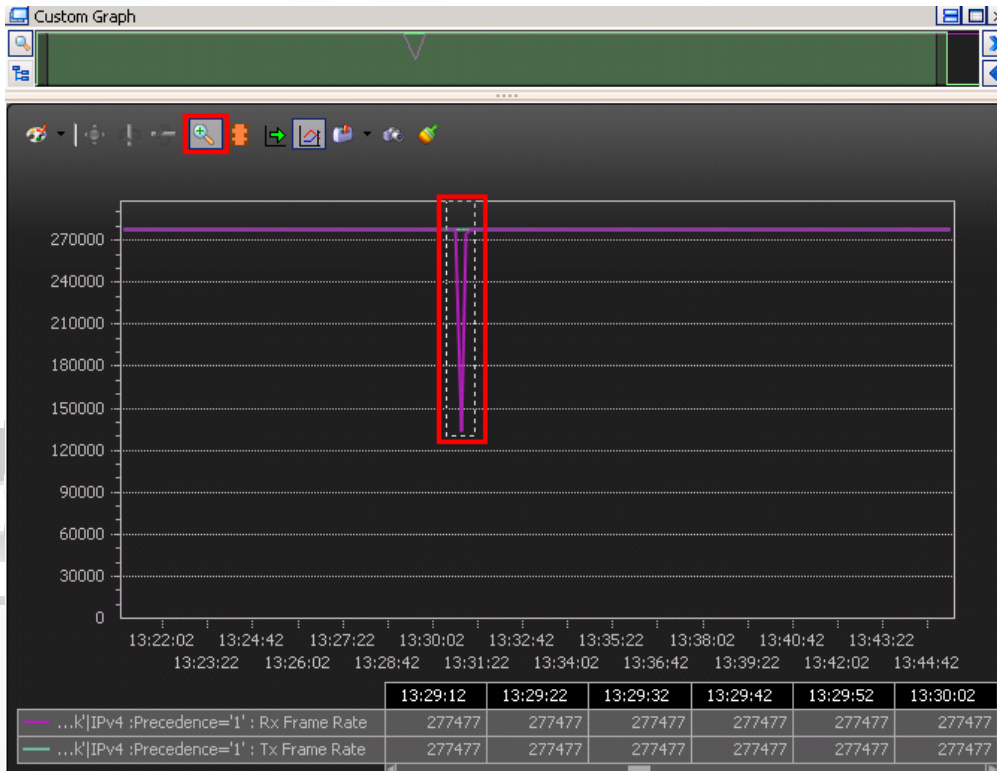


5. The entire period graph is displayed as below.

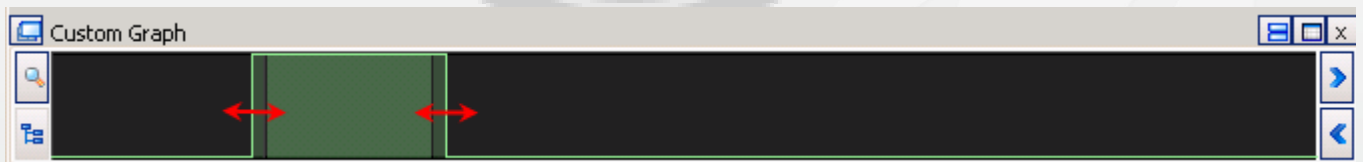


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- Now click on “Zoom” button and drag the mouse to a period which you want to look at in details. Return to original view by click on zoom in button again.



- You can also drag the left and right edge of top display bar to adjust the graph display period.



### Conclusion:

With custom graph Data Store, test engineers can easily get a graphic view of important statistics for a period of time. IxNetwork 5.40 has the flexibility to look at entire period or any particular period of time. The custom graph can be renamed and exported to be presented in test report. (See Day18 for exporting)