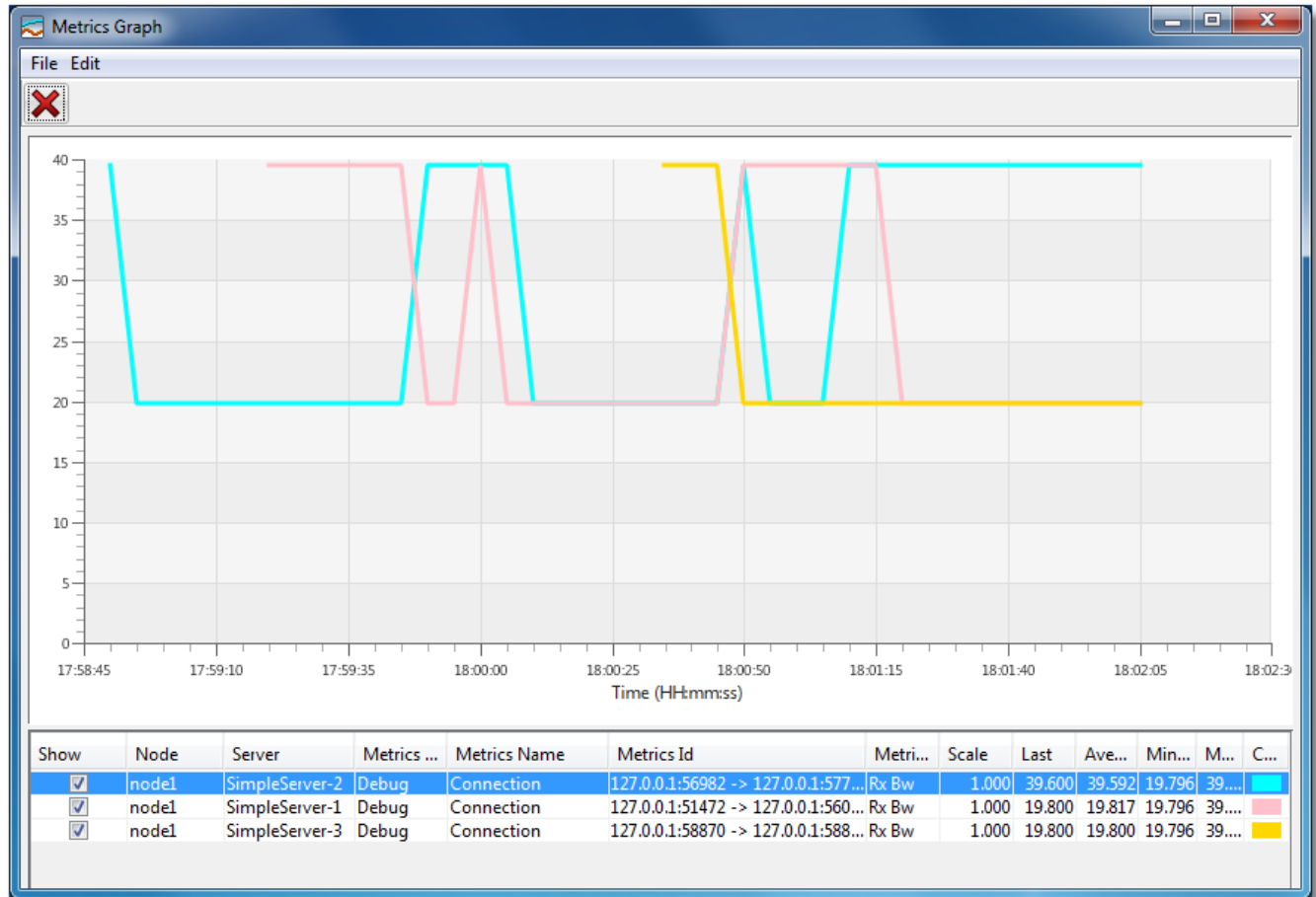


# Metrics Graph

A Metrics Graph displays metrics retrieved from one or more Ice servers or IceBox services.



The horizontal axis corresponds to the time, while the vertical axis plots the corresponding metrics values.

 The Metrics Graph feature requires [Java 7](#) and [JavaFX](#).

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## Creating a New Metrics Graph

You can create a new Metrics Graph window with the `File > New > Metrics Graph` menu, or with a contextual menu over a metric in a [Metrics View](#), for example:


Rx Bw	Tx	Tx Bw	Avg Cnt	Avg LfT	Failures
40.800	1.14050	170.000	0.000	0.000	

Add To Metrics Graph →
 

New Metrics Graph  
 Metrics Graph


## Adding and Removing Metrics

A metric is added to a Metrics Graph with drag & drop, or through a contextual menu over this metric.

To remove a metric from a Metrics Graph, select this metric and press Delete or the  button.

## Adjusting Scale and Color

You can display metrics with different scales on the same graph by adjusting the scale factor of each metric. The values plotted are the metric's values times the scale factor; the default scale factor is 1.0.

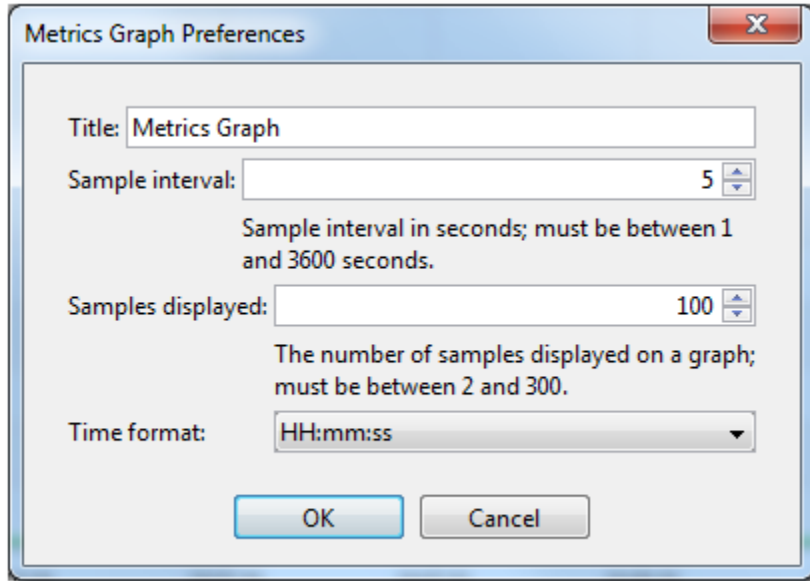
Metrics Field	Scale	Last	Average	Minimum	Maximum	Color
Tx	0.00001	286475.000	285200.156	269900.000	286475.000	

0.00001  
 0.0001  
 0.001  
 0.01  
 0.1  
 1.0  
 10.0  
 100.0

You can also change the color used to display a metric's line by clicking on the Color cell of the metric.

## Metrics Graph Preferences

The File > Preferences menu of a Metrics Graph window opens a dialog that allows you to configure several properties of your Metrics Graph:



For each metric plotted in a Metrics Graph, IceGrid Admin retrieves the corresponding value every `Sample interval` seconds (by default every 5 seconds), and displays `n` values (`n = 120` by default). `Sample interval` times `Samples displayed` correspond to the time period represented on a graph; by default, it is  $5s * 120 = 10$  minutes.