



LabVIEW - Property Nodes

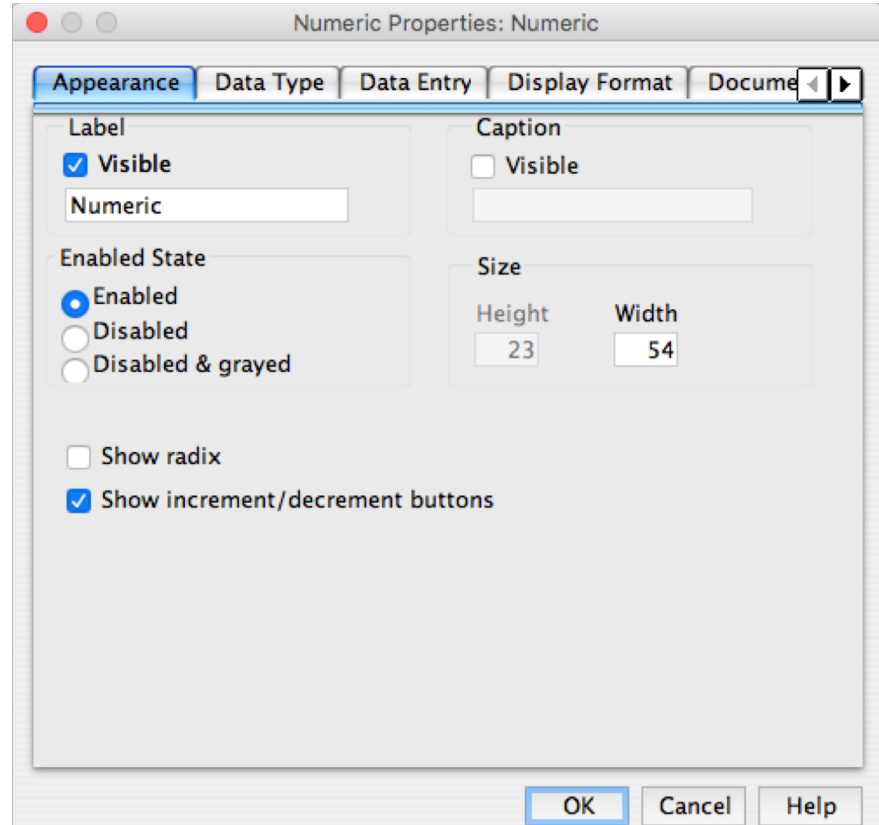
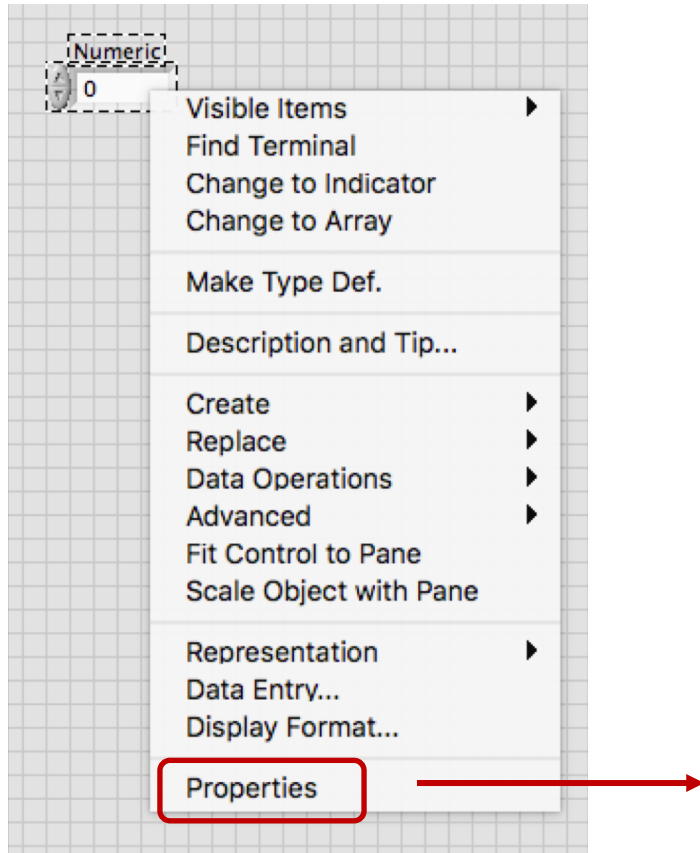
Using Property Nodes in LabVIEW

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Properties

- Every Program or Programming IDEs and Programming Languages have Properties
- Typically you can either set the Properties from a Configuration Window or you can set them from your Code
- Typical Properties can e.g., be Color, Title, Text, Value, ...
- In Visual Studio we have the Properties window where we can set Properties for the selected object/control. These properties can also be set from the Code
- In LabVIEW we can set Properties in the same way, i.e., we can right-click on different objects – or we can set them from code using Property Nodes

LabVIEW Properties



LabVIEW Property Nodes

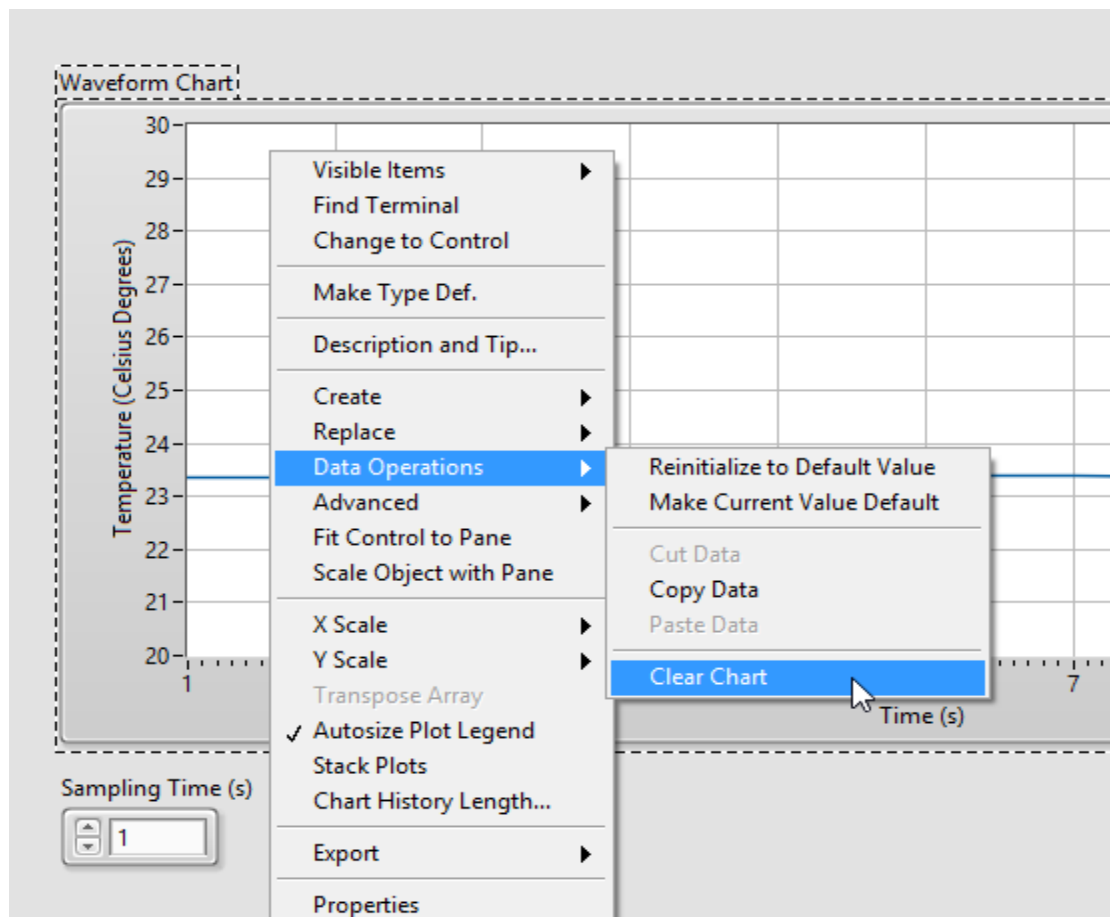
The image shows a screenshot of the LabVIEW context menu. The menu is open, and the 'Property Node' option is highlighted. A red box highlights the 'Property Node' option, and a red bracket on the right side of the image points to the text 'Properties for a selected object'.

- Numeric
- Visible Items
- Find Control
- Make Type Def.
- Hide Control
- Change to Indicator
- Change to Array
- Change to Constant
- Description and Tip...
- Numeric Palette
- Create
 - Constant
- Data Operations
 - Control
- Advanced
 - Indicator
- Local Variable
- ✓ View As Icon
- Representation
 - Reference
 - Property Node**
 - Invoke Node
- Properties
 - Class ID
 - Class Name
 - Owner
 - Owning VI
 - Bounds
 - Position
 - Blinking
 - Built-In Mouse Wheel Support
 - Caption
 - Control Index
 - Data Binding
 - DataSocket
 - Description
 - Disabled
 - Focus Key Binding
 - Indicator
 - Key Focus
 - Label
 - Owning Pane
 - Skip When Tabbing
 - Synchronous Display
 - Tip Strip
 - Value
 - Value (Signaling)
 - Visible
 - XControl
 - Data Entry Limits
 - Decrement Key Binding
 - Increment Key Binding
 - Response to Value Outside Limits
 - Unit Label
 - Display Format
 - Format String
 - Increment/Decrement Visible?
 - Numeric Text
 - Radix Visible?
 - Text Width

Properties for a selected object

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Chart Properties



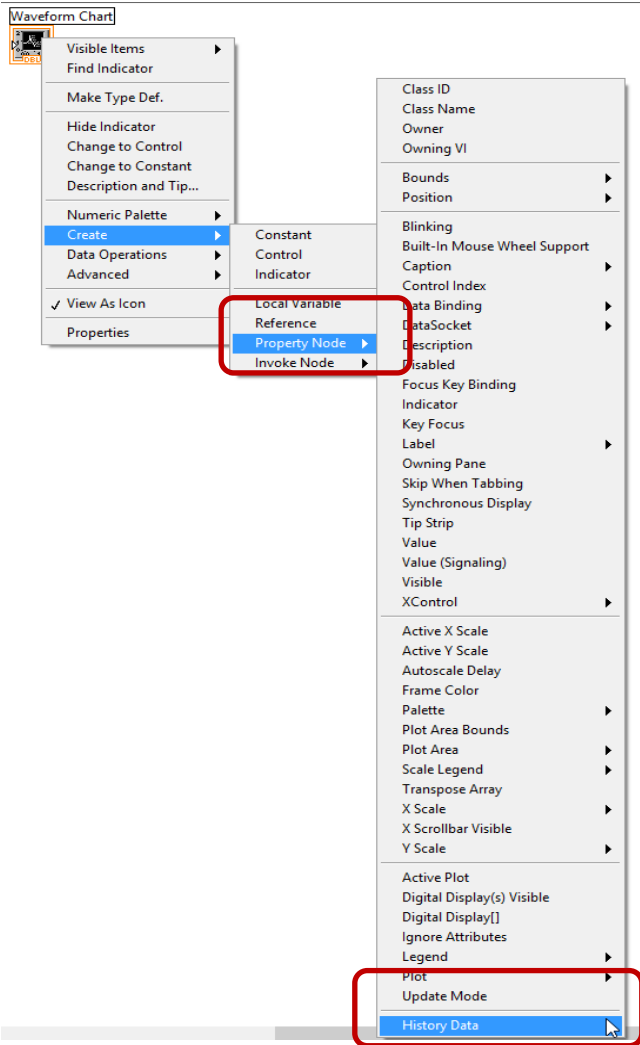


Chart Properties

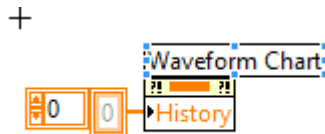
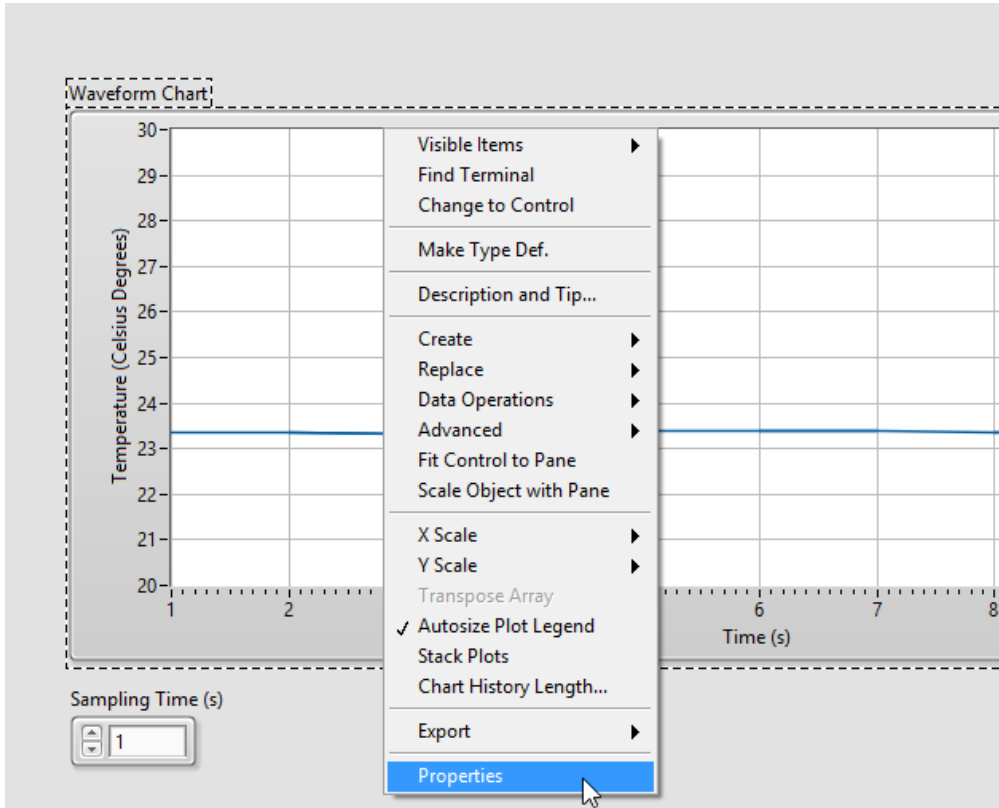


Chart Properties

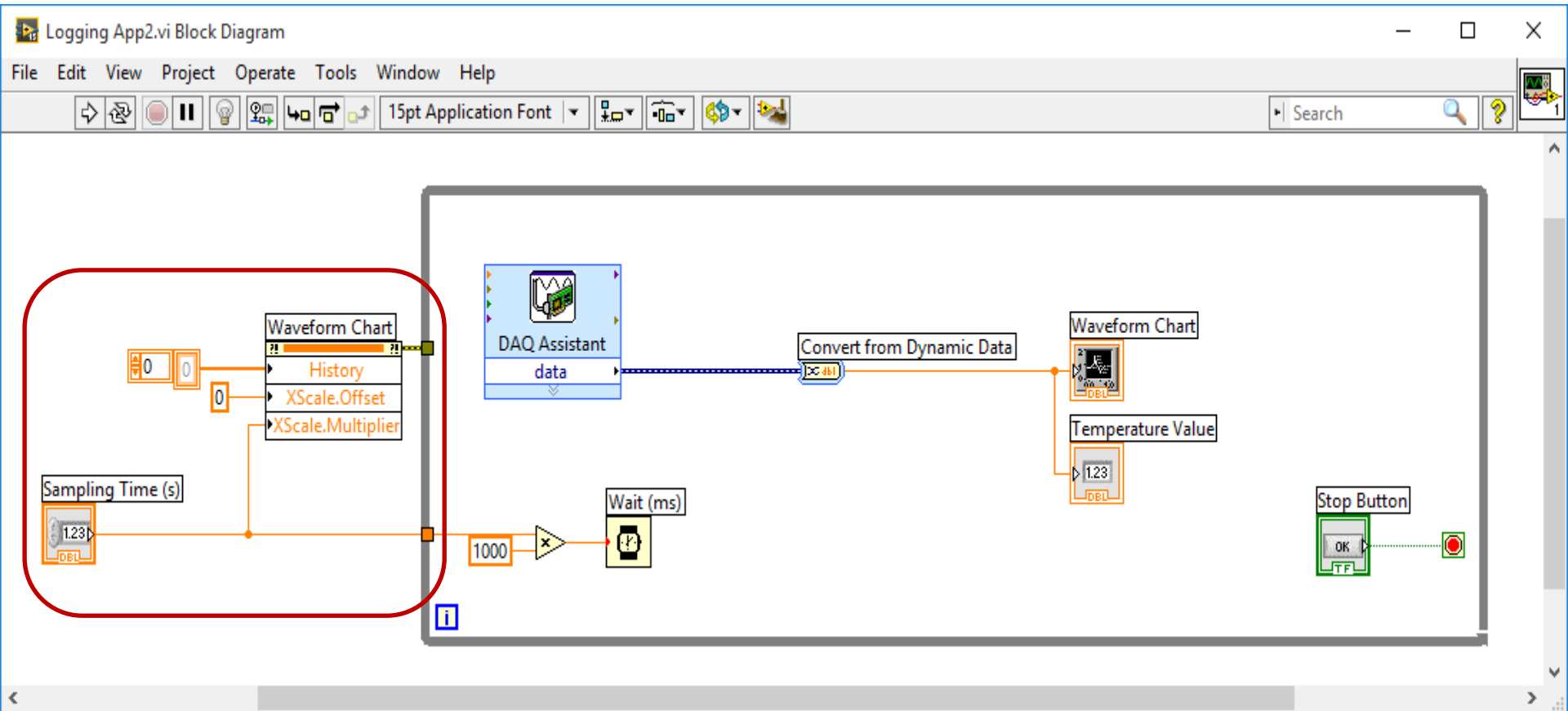


The screenshot shows the "Chart Properties: Waveform Chart" dialog box. The "Scales" tab is selected. The "Time (s) (X-Axis)" section is expanded, showing the following settings:

- Name: Time (s)
- Show scale label
- Show scale
- Log
- Inverted
- Expand digital buses
- Autoscale
- Minimum: 1,00271
- Maximum: 11,0027
- Scaling Factors:
 - Offset: 0
 - Multiplier: 1

The "Scaling Factors" section is highlighted with a red box. Below the "Scales" section, there are sections for "Scale Style and Colors" and "Grid Style and Colors". The "Scale Style and Colors" section includes a preview of a scale and checkboxes for "Major tick", "Minor tick", and "Marker text". The "Grid Style and Colors" section includes a preview of a grid and checkboxes for "Major grid" and "Minor grid". At the bottom, there is a checkbox for "Ignore waveform time stamp on x-axes". The dialog box has "OK", "Cancel", and "Help" buttons.

Chart Properties



DEMO

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