Display Legends

Attach labels to symbols and groups, set what they display, with automatic positioning and follow-parent behavior.

This page covers symbol/group legends — text labels that follow their host element on a Display. The TrendChart control exposes a separate `HasLegend` property (added in 10.1.5) for the pen-list legend rendered inside the chart area; that feature shares the word but is unrelated. See the TrendChart Control Reference for the trend-side `HasLegend`.

Version 10.1.5+

A legend is a text element attached to a symbol or group. When the host element is moved, the legend moves with it. The legend UID stays in sync with the parent symbol **Labels** column after edits.

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Adding a Legend

Two entry points enable a legend:

- Select an existing symbol or group on a display. In the **Symbol** config panel, check **Has Legend**.
- When creating a new symbol through **Make Symbol**, check **Has Legend** in the dialog before confirming.

A TLegend element is created next to the host. The default position is above a single symbol and to the right of a group.

Setting the Legend Text

Double-click a legend to open its configuration dialog. The **Settings** tab controls what the legend shows.

Field	Description
Text with {Tags}	The text the legend displays. Type a static string, or reference a tag value with the `{Tag.TagName}` syntax — the **...** button opens a tag browser. Leave it empty for a blank legend. The value resolves the same way in WPF and HTML5 clients at runtime.
Text Wrapping	When checked, long text wraps within the legend bounds instead of running on a single line. The change applies live in the Designer.
Text Preview	Selects how the field is previewed while you design.

Moving Legends

Action	Behavior
Move the host symbol or group	The legend follows and keeps its offset.
Select and move the legend alone	Only the legend moves. The host stays in place.
Right-click the legend, **Reset Legend Position**	The legend snaps back to the default offset for its host type.

UID and Labels Sync

The legend carries its own UID. Editing the legend UID in the Properties side bar updates the parent symbol **Labels** column. The parent and its legend stay paired after UID edits, so downstream references to the symbol remain valid.

On save, the legend text feeds the parent symbol's UID and **Labels** entry only when it is a plain, valid identifier name. Tag references such as `{Tag.Level}` and empty text are not copied to the UID, so the symbol's script-addressable name is never overwritten with an expression or cleared.

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