

Dynamic Label Sizing

**Work in Progress**

Hey, there! You've arrived at the end of what humanity used to be capable of. That's right, this is the frontier to new and exciting realms of knowledge and expertise. Please bear in mind that since new frontiers are dangerous and fluctuating, everything explained on this page is also very much subject to change. Don't rely on this stuff just yet. You've been warned!

Labels of nodes, ports, and especially of edges can quickly become wider than we're comfortable with, causing diagram elements to increase in size to the point where the diagram becomes illegible. This page documents approaches we're exploring to tackle this problem.

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Basic Ideas

There's two basic approaches for dynamically adjusting the size of labels:

1. Wrapping. This strategy splits the label's text into multiple lines, thus decreasing the width, but increasing the height of the label.
2. Abbreviating. This strategy shortens the label's text, thus effectively reducing its width and keeping the height constant.

These strategies can either be integrated with the layout algorithm or not. We will mostly be exploring how such strategies can be integrated into the layout algorithm.

Integrating Dynamic Label Sizing With KLayout Layered

This is the status of support for dynamic label sizes of the different types of labels:

Label Type	Status
Node	UNSUPPORTED
Port	UNSUPPORTED
Edge (Source)	UNSUPPORTED
Edge (Center)	BASIC SUPPORT
Edge (Target)	UNSUPPORTED

Edge Labels (Center)

**ToDo**

Write this section.