

REQUIREMENT DIAGRAMS

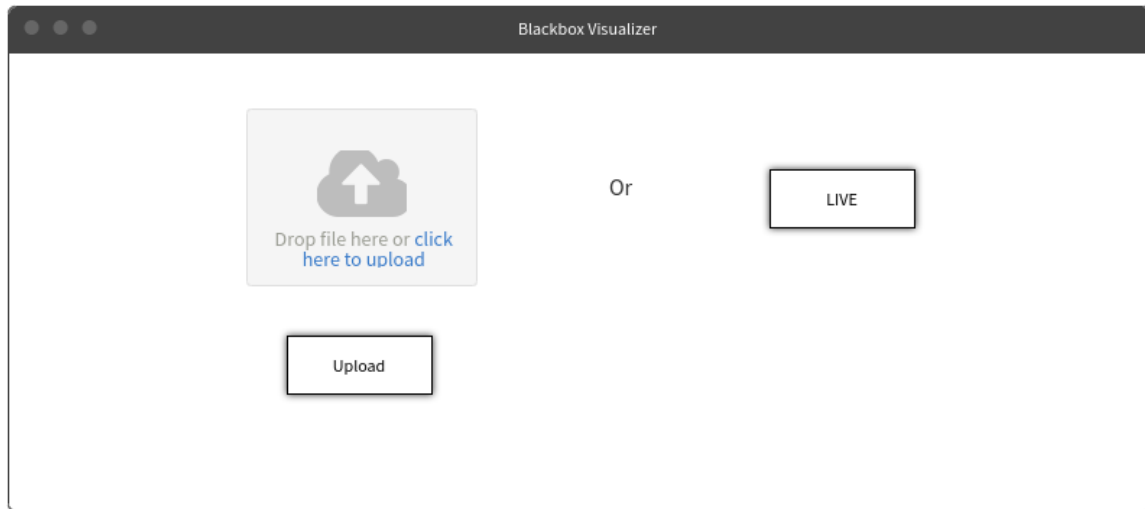


Figure 1: Landing Page

On the landing page there is an option to either upload/ drag & drop rosbag file or navigate to the live functionality page by using the “LIVE” button.

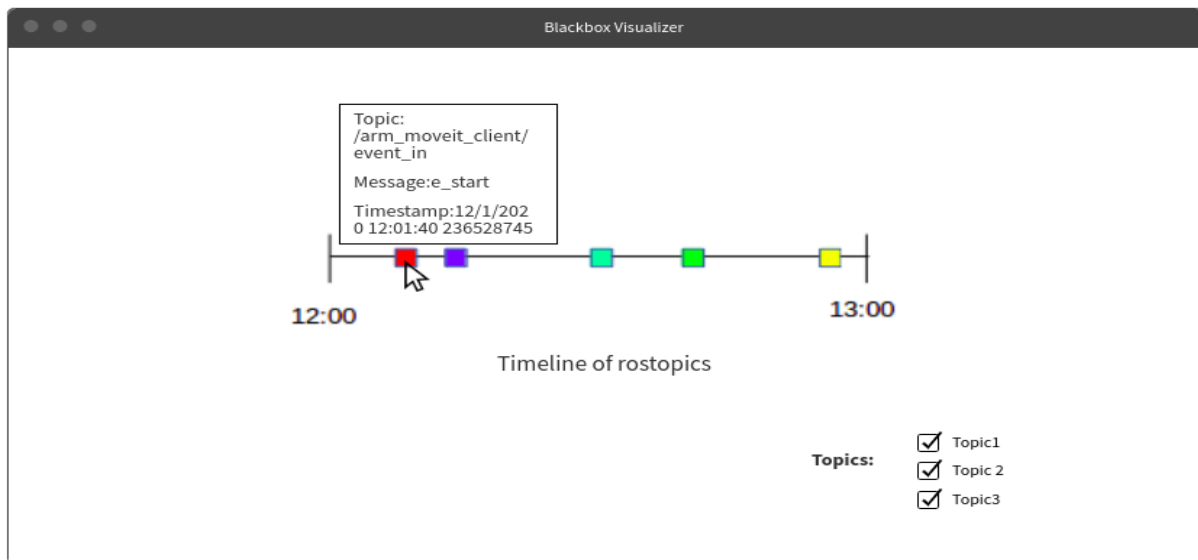


Figure 2: Visualization page

This visualization page shows up after the rosbag is uploaded on the landing page.

On this page there is a timeline display of the rostopics that are represented by different colored nodes.

When the mouse is hovered on a node the details(topic, message, time stamp) is shown on a hovering pop-up box.

The rostopics can be filtered to be shown on the timeline from check-boxes below.

The graph has a feature to zoom in and zoom out by scrolling while the mouse is on the graph.

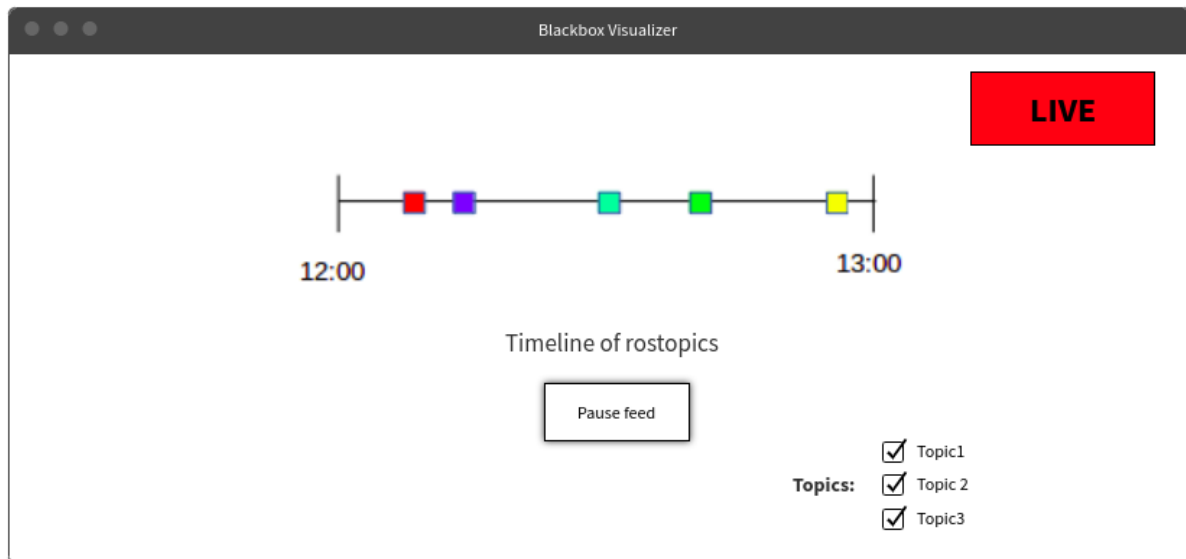


Figure 3: Live page

A live gif logo keeps blinking at the top right to indicate the live updating of the graph.

The “Pause feed” button pauses the updating of the graph.

The other functionalities of live page are the same as mentioned for in the above visualization page.