

# Introduction

The aim of this project is to develop a collection of applications. Inspiration is taken from the VizRT suite of applications. Currently this collection consists of Chroma Viz, Hub, Engine. Chroma Viz, Hub and Artist are built in Golang and are. Chroma Engine is built in C and is contained in the [Chroma

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<source src="https://github.com/jchilds0/chroma-viz/raw/main/data/demo.m

</video>

## Chroma Viz

Chroma Viz manages templates at a high level, and issues. On startup, Chroma Viz requests the templates from Chroma Hub. Chroma Hub collects the template IDs of all templates in the



Chroma Viz can connect to any number of Chroma Engine. Each connection is either a Engine or Preview connection. When Chroma Engine provides a C library which can create a. Chroma Viz sends pages to layer 0 of the preview window, so. The actions at the top of the editor panel, \$ exttt{Take On, \$ exttt{Take Off} \$, send pages to connected Chroma Engine

Take On animates from Keyframe 1 to Keyframe 2.

Continue runs from the current Keyframe to the next Keyframe.

Take Off runs from the second last Keyframe to the last

Chroma Viz encodes the attributes of a page and sends it to Chroma Engine. Chroma Engine parses the message and updates the templates

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<source src="https://github.com/jchilds0/chroma-viz/raw/main/data/artist
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