

Cascade Pipeliner

User Manual

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1. Introduction

1.1 Purpose

Cascade¹ is an operating system for distributed systems. As such, it handles the resource allocation for a set of tasks on a group of processors that are connected over a network. To make use of this system, we need a way of communicating with it. While we could write an instruction set, this would make it harder for new users to get started with Cascade. To make this more user-friendly, we created a graphical model with JavaFX² for giving workflows to Cascade. This tool allows the user to define the set of tasks for Cascade as a flowchart using a drag & drop format.

1.2 Target audience

The Cascade Pipeliner is a user-friendly graphical tool designed for new users for Cascade platform, with introductory or limited programming experience and knowledge to Cascade.

1.3 Scope and out-of-scope disclaimer

This user manual covers main functions for using Cascade Pipeliner, as displayed in the Table of Contents. The content of this document is furnished for informational use only, is subject to change without notice, and should not be construed as a commitment by [Team]. [Team] assumes no responsibility or liability for any errors or inaccuracies that may appear in the content of this guide.

2. Step-by-step guide

2.1 Installation

Download the package at <link>.

2.2 Main Functions

2.2.1 Introduction of Window Layout

<Layout>

The window is divided into 3 parts as displayed in Fig.1:

2.2.2 Step-by-step Instructions

1. Drag and drop functions and connectors to the workspace;
2. Select a specific function and highlight it;
3. Hang your mouse over the selected item to view its property label;
4. Edit properties of the selected item in the setting section;
5. Export your workspace;

3. Glossary

Cascade

Connectors

Conditions

Destinations

Edge

JavaFX

JSON

Model

Node

Setting

Workspace