IDC Symphony Project Architecture

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# Contents

No table of contents entries found.

# Background

## What is IDC Symphony?

Bluntly put, an artistic sonification project with limited consideration for the scientific sound representation of data, primarily focusing on incorporating musical elements, ultimately attempting to generate a pleasant musical experience.

In celebration of IDC’s 25th anniversary, we were excited to delve into the seldom explored field of musical sonification – henceforth referred to as ‘Musification’ – as the idea of sonifying IDC’s past came into fruition.

As a matter of fact, the concept was evolved from constraints – both of time and availability – which imposed on us a sparse data set, of which no natural numerical values can be extracted.

With the inability to directly translate data directly to musical notes, or even to rhythms, we were driven to examine sonification from another perspective.

In the purest sense, while classical sonification is the process of mapping time-constrained values onto different notes and timbres at correspondent times – one-to-one mapping – when sonifying a thin database like ours, data points must be represented by musical sequences – one-to-many mapping.

As such, our Musification project involves composing and generating a song with human intervention at the melodic level, while the data points act as triggers, affecting the composition of the song.

## The Data

TBD

## The Mapping

TBD

# IDC Symphonizer

A targeted Musification tool for creating the desired IDC symphony, represented by major milestones in IDC’s history.

The tool is composed of 2 main components, and one UI component.