Transcoding Service Platform

# Introduction

The purpose of the Transcoding Service Platform (TSP) is to provide a collection of independent services whose sole purpose is to analyze, decode, process, encode, and distribute media files.

# Service Categories

All of the services of the TSP are broken down into several different groups:

1. Core Services
2. Client Services
3. Information Services
4. Encoding Services
5. Decoding Services
6. Transcoding Services
7. Distribution Services
8. State Services

## Core Services

Core Services are low-level services that provide system-dependent services, such as logging and database access.

## Client Services

Client Services encompasses all of the services that must face a client or consumer. This includes web-frontends and library hooks.

## Information Services

Information Services encompasses all of the services that provide information about any aspect required by the TSP, including, but not limited to, media file metadata and system information.

## Encoding Services

Encoding Services encompasses all of the services that encode media data.

## Decoding Services

Decoding Services encompasses all of the services that decode media data.

## Transcoding Services

Transcoding Services encompasses all of the services that are responsible for orchestrating the conversion of media data from one format to another.

## Distribution Services

Distribution Services encompasses services that are responsible for sending data from the server to a client.

## State Services

State Services encompasses services that are responsible for storing global state data between all of the services.