Getting Started Guide

Contents

CYANITE

Welcome

Welcome and thanks for your interest in Cyanite. This guide will walk you through the basic steps you need to get started with Cyanite. These include:

- An overview of the different Cyanite services.

- How to get started with Cyanite's Web App, API, and Tags Export.

- Next steps and how to get help & support.

You can always reach out to your personal manager for a setup meeting or with any questions you might have.

Overview of Services

Cyanite is an AI-based music search and tagging engine that categorizes and qualifies your catalog for various search algorithms to unlock its full value.

Cyanite's algorithms can be used through the **Web App** and the **API**. With **Tags Export**, you can export and deliver tags as CSV/spreadsheet.

Please note that the API integration requires coding skills or developer support. You will not need any coding skills to use the Web App or Tags Export.

	Web App	API	Tags Export
Auto-Tagging	✔	✔	✔
Visualizations*	✔	✖	✖
Similarity Search	✔	✔	✖
Dynamic Keyword Search	✔	✔	✖
Free Text Search	✔	✔	✖
Auto Captions	✔	✔	✔
Tags Export (csv, json)	✖	✔	✔

Crates	❌	✔️	❌
Segment Based Data	✔️	✔️	❌
Ideal for	Easily setting up Cyanite as an internal search and analysis tool e.g. for play-listing and sync.	Deeply integrating full Cyanite technology into your software and adding an AI layer to it.	Quickly and consistently tagging your repertoire.

*Can be built with segment-based data provided via the API

How to Get Started

Click on the link below to jump to the specific section:

- Web App
- API
- Tags Export

Web App Setup

1. **Sign up.**

   Create a Cyanite account at https://app.cyanite.ai/register. When you sign in to Cyanite for the first time, you will see the **Library** view where all the tracks are uploaded and the corresponding metadata is displayed.

2. **Upload music.**

   This is done by dragging mp3s into the **Library** or clicking the **"Select files"** button in the Library view.

   You can also import music from Youtube by pasting the Youtube link and clicking the **"Import"** button.

   It may take a couple of minutes for the analyzed track to appear in the library depend-ing on your internet connection.

   For bulk uploads (>100 audios), see below.

3. **Voila.**

   You are now ready to use Cyanite insights to understand your catalog better.

Drag the part of the screen with the analysis results to the left to see the full list of tags. To search for specific tracks in the library you can use the search bar above where you can enter the track's title.

Explore All Web App Features

These features allow you to unlock the full value of your catalog.

Similarity Search

Similarity Search lets you find songs in your catalog that sound and feel the same as a reference track e.g. from a sync brief. Our AI compares each song's acoustic features to identify perfect matches.

Click the **"Similarity"** link next to any track in the **Library** and you will be redirected to the **Similarity Search** view. Scroll down to see the suggestions of similar tracks against the reference track you just clicked.
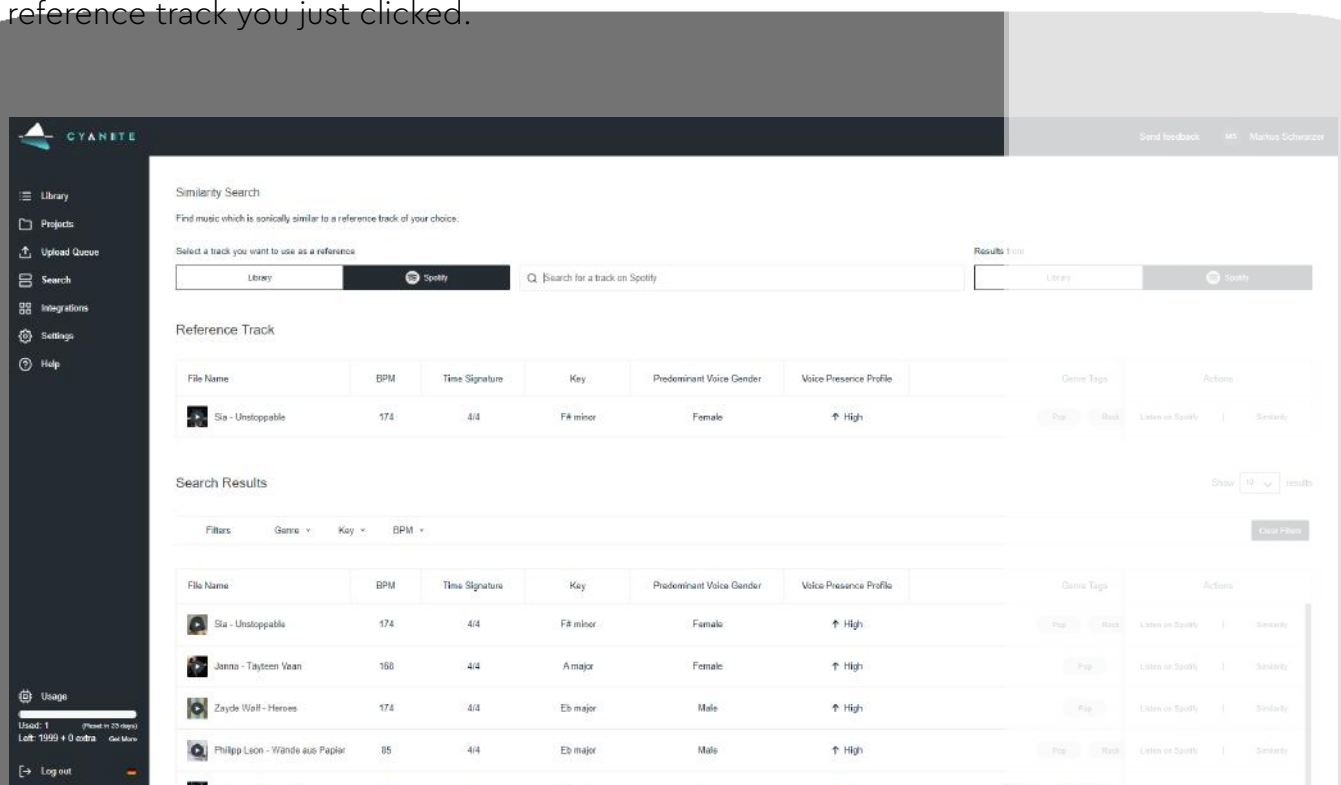

- The results are automatically fetched from our **Spotify** showcase library and you can switch to see the results from your **Library** as well.

- **Representative Segment** of the track is chosen for the analysis by default. You can change to **Complete Track** or **Custom Interval** to search for similar songs based on a specific segment of the reference track.

- Filter the similarity search results by **Genre**, **Key**, or **BPM**.

You can access Similarity Search any time from the app menu on the left. Choose **Library** or **Spotify** tracks as a reference. Library tracks are analyzed in full. With Spotify tracks, only the 30 seconds snippets provided by Spotify are analyzed and referenced.

Visualizations

Visualizations allow you to identify patterns in music and support pitches, marketing, and content creation with detailed graphics.

Visualizations are available through a **Detail** view for each song.
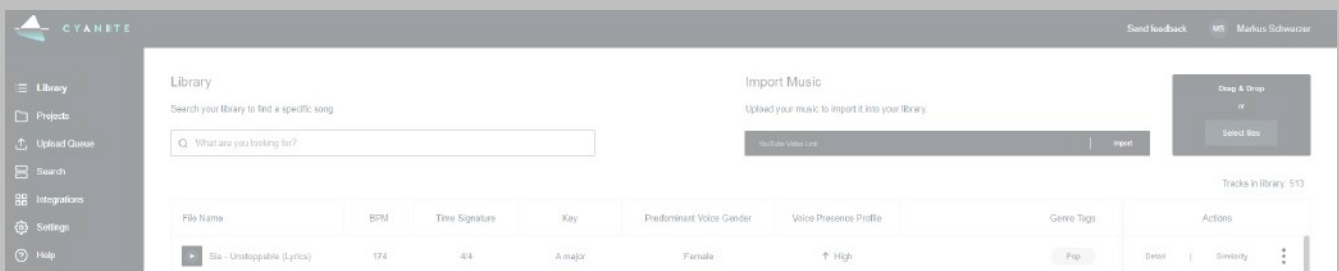
Click the Detail link next to any song in the Library. Scroll down visualizations on genre, mood, energy level, instrument presence, and voice presence. Augmented keywords can be unlocked separately by contacting sales.
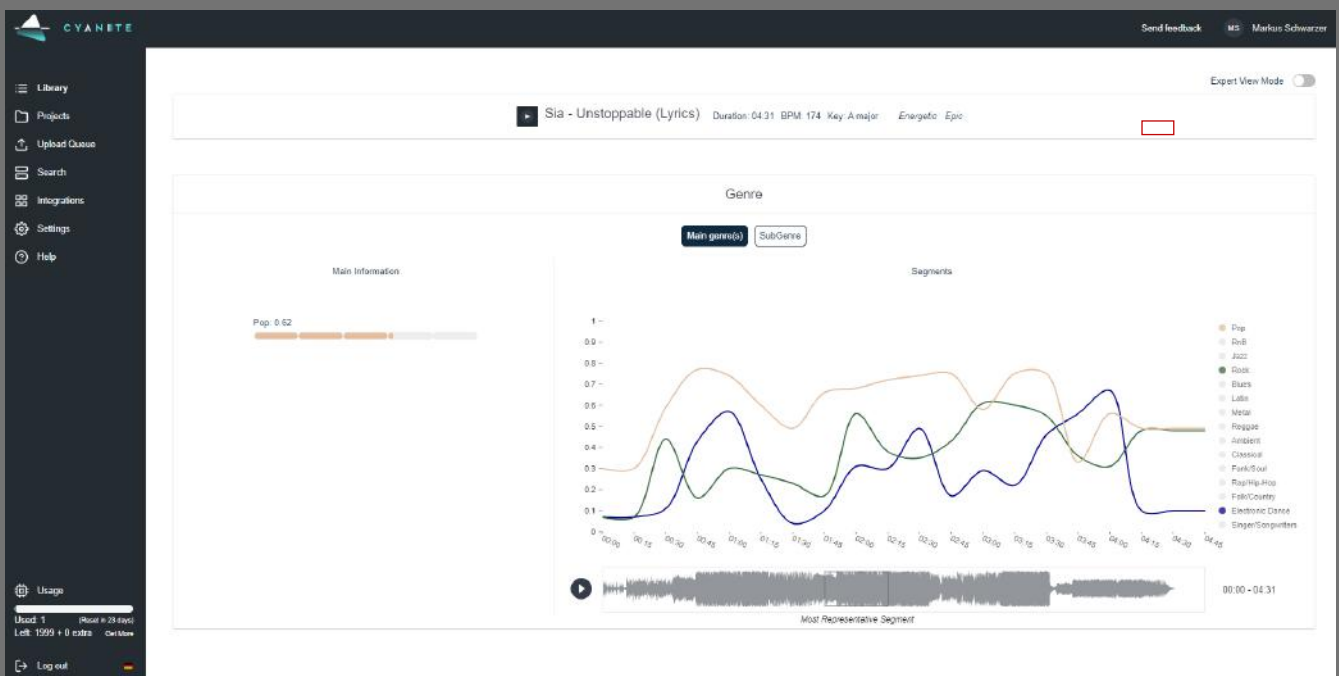
- Dots on the right from the graphics can be used to show or hide variables.

- Hover over any graphic to show the development of trends.

The **Representative Segment** of a song is outlined in the sound wave below each graphic. The 30-second segment represents the track in a nutshell. You can use this segment as a teaser sample, for TikTok or other short format content. Visualizations are based on old tags that are not updated.

Dynamic Keyword Search (Keyword Search)

Dynamic Keyword Search allows you to filter, combine and weight 1,500 keywords to find the best song matches. This can help to dive deeper into your catalog and create mood- and contextual-based playlists.

Go to **Search** in the menu. Change to **Keyword Search** from **Similarity Search** to start. Keyword Search takes keywords and weights specified by you and returns tracks that correspond to your search query.

- The results can be fetched from the Library or Spotify.

- Select up to 7 keywords from the list.

- Use the weight bar on the right to define keywords' impact on search on the scale from -1 to 1. -1 meaning "exclude" and 1 meaning "heavy focus".

Example: the search input: sparkling: 0.5, sad: -1, rock: 1, dreamy: 1 would return dreamy, slightly sparkling rock songs that are not at all sad.

Free Text Search

Our Free Text Search allows you to search for music in your own words. It understands any written input and translates it into music recommendations. This feature is per invite only so please reach out to your Cyanite contact to request access.

Go to **Search** in the menu. Change to **Free Text Search** from **Similarity Search** or **Keyword Search** if needed.

- The results can be fetched from the **Library** or **Spotify**.

- Input any music description in your own words.

- The results will be listed in the **Search Results** section below.

Transformer Captions (Auto-Captions)

Transformer Captions provide full-text descriptions of your audios and offer the users additional information about a song before they listen to it. For example, *a beautiful haunt-ing vocal melody sings above a bed of soft sustained synth pads in reverb and echo*. Trans-former captions can be found toward the end of the analysis results table when you swipe the **Library** view to the left.

Projects

Try **Projects** to compare multiple tracks for the emotions they represent **(Track Mood Analysis)** or analyze a list of tracks simultaneously **(Dynamic Emotion Analysis)**.
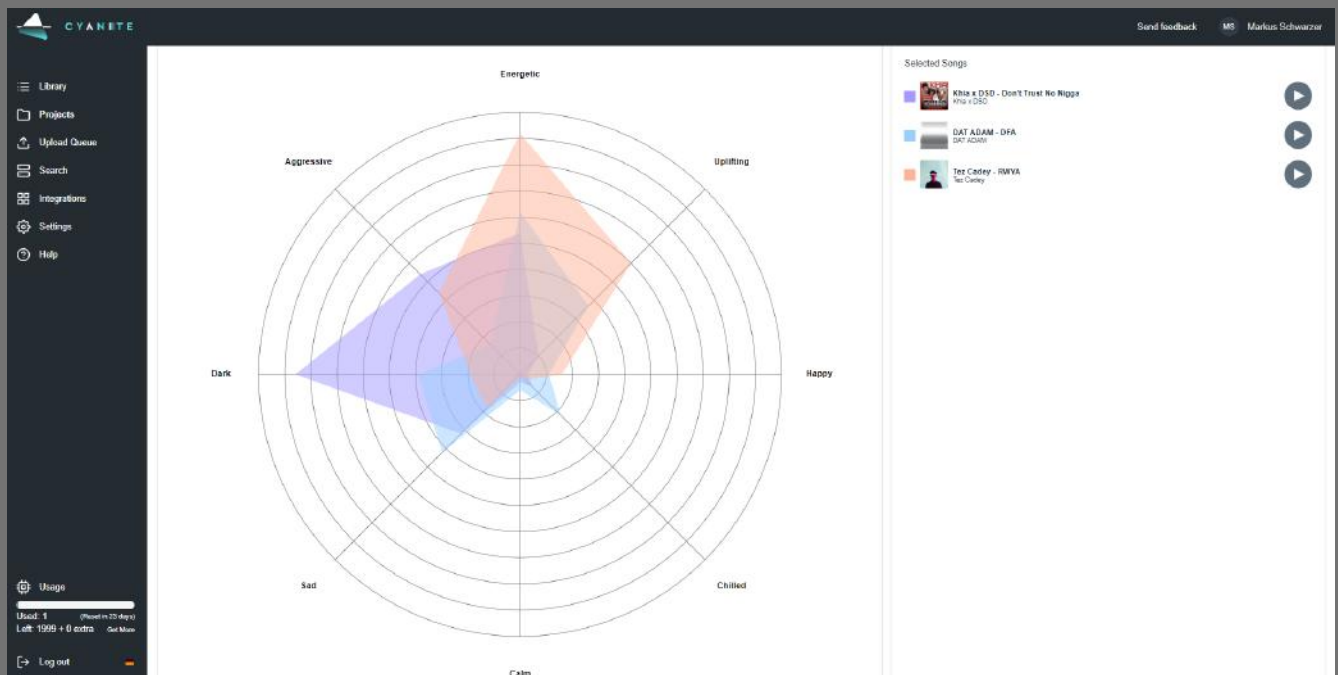
- **Track Mood Analysis** creates a diagram of moods for multiple tracks or a playlist to compare. You can then hide or show the tracks on the right side of the graphic. Enter single tracks from Spotify or a whole Spotify playlist via the playlist link.

- **Dynamic Emotion Analysis** analyses a list of tracks and shows the Detail view for each track with the option to switch between the tracks in the same view.

Projects are based on old tags that are not updated.

Analysis Limit and Usage

For analysis limit and usage information open the Web App menu. The analysis limit at the bottom indicates the number of used analyses, the number of analyses still available, and the number of days left before the limit is reset.

Cyanite Web App access includes 5 analyses per month. For more, contact our support team.

Upon reaching the limit, uploads can be happening but the analysis won't start.

Data Export

Data Export from the Web App is available upon request. Contact the support team to get your data exported as a CSV/excel or Google Spreadsheet.

Web App + API Access

Our full guide to API is available here. There are just 5 first steps you need to get started. Please note that coding skills are required at this stage.

API Setup

1. **Sign up.**

   A Cyanite account is necessary to create an integration. Create an account at

   https://app.cyanite.ai/register and verify your email address.

2. **Create an integration.**

   Go to the Integrations section in the menu. Click Create New Integration button. Select a title and fill out the Webhook Url and generate or create a Webhook Secret. Click the Create Integration button when you are done.

3. **Test your integration credentials here.**

4. **Start sending API requests.**

    You can find all info on API endpoints in our API docs. Also see our Query Builder to quickly build queries for the Cyanite API.

5. **Listen to webhook events and fetch data.**

Tip: For bulk uploads (>100 audios), see below.

Explore Additional API Features

API provides access to all features except Projects and Visualizations. You can access Projects and Visualizations at any time through the Web App. Additionally, Crates are only available through the API:

Crates

Crates are a powerful tool to divide your library into sub-libraries. This is espe- cially helpful if you are offering your catalog in different regions and/or want to customize it to specific user groups. You can pre-select tracks for a specific crate and create a Customer-XYZ crate. Up to 10 crates are available with API access by default. Once a crate is created, a Similarity Search can be per- formed within the crate.

Tags Export

For specific cases, Cyanite can auto-tag your audios and deliver the data for you in the form of a csv or Google Spreadsheet. Cyanite tags exports are compatible with DISCO, Songspace, Synchtank, Source Audio, and Harvest Media. Didn't find your asset manage- ment system? Please get in touch.

1. **Upload tracks to the s3 bucket.**

    Contact our support team to get the S3 bucket instructions on uploading.

2. **Notify your contact person at Cyanite.**

    Send us a note when the upload is done.

3. **Get the data.**

    In a CSV/xls or a Google Spreadsheet format.

See an example of the xls file here – Cyanite Analysis: Spotify's New Music Friday (Ger-many) – 18.02.2022.

Uploading a Large Number of Tracks?

For above 100 tracks, we suggest an s3 bucket upload.

The process is then as follows:

- Contact support for s3 bucket instructions.

- Upload the tracks to the s3 bucket via AWS web interface.

- Send us a short notice when you're done.

If you want to upload a huge chunk of tracks coming from an advanced system we can provide CLI access keys for a programmatic upload. We also offer cross-bucket syncs where we enable an AWS IAM user to sync one of your buckets with the provided bucket from us.

For recurring uploads on a daily basis, we recommend regular uploading via the API or Web App.

For a large initial upload with recurring uploads on a daily basis, you can use S3 bucket and a simple upload through an API or Web App simultaneously.

We can also provide a mapping depending on the use case, where we make sure each file is unique and identifiable across all systems to avoid conflicts between Cyanite IDs and filenames (optionally, sha256 checksums for each file can be provided).

Taxonomy

Cyanite taxonomy consists of 23 output classes. New tags are developed and added on a regular basis. See all currently available tags here.

Tags are retrieved as averaged over the whole track. More granular data is available through the API and Web App with segment-wise tags that characterize the track over time with 15s temporal resolution.

BPM (beats per minute)	
BPM range adjusted	The global estimated bpm value of the full track fixed to a custom range of 60–180 bpm.
Key	
Meter	

Time Signature	
Voice (overall and segment analysis)	Categorizes the audio as *female* or *male* singing voice or *instrumental* (non-vocal).
Voice Gender	Indicates the vocal gender: *male*, *female* or *none*.
Voice Presence	Indicates the presence of vocals: *none*, *low*, *medium*, *high*.
Main Genre (overall and segment analysis)	Contains 15 genres, from Ambient to Jazz and Singer/Songwriter.
Sub-Genre (overall and segment analysis)	Divides 8 out of 15 main genres into 43 sub-genres.
Moods (overall and segment analysis)	Indicates the prevalent emotion or mood.
Advanced Moods (overall and segment analysis)	Contains 131 additional moods, for example, *adventurous* or *calm*.
Character (overall and segment analysis)	Depicts the expressive form of music and describes its appearance rather than mood, for example, *heroic* or *magical*.
Movement (overall and segment analysis)	Describes the overall manner of how the sound changes or "moves" across the track. For example, *bouncy* or *running*.
Valence (overall and segment analysis)	Indicates a level of positiveness of the track on a scale from -1 to 1.
Arousal (overall and segment analysis)	Portrays the energy of the emotion on a scale from -1 to 1.
Energy Level	Indicates energy level from high to *medium*, *low* or *variable*.
Emotional Profile	Indicates emotional profile on the spectrum from negative to *balanced*, *positive*, or *variable.*
Energy Dynamics	Indicates how energy changes from *low* to *medium* and *high*.
Emotional Dynamics	Indicates how emotion changes from *low* to *medium* and *high*.
Instruments (overall and segment analysis)	Indicates present instruments, for example, *acoustic guitar* or *piano*.
Instrument Presence	Shows if instruments are present *throughout*, *partially*, or *frequently* in the track or *absent* at all.
Brand Values (included upon request)	Defines brand personality or consumer perception of the track.
Augmented Keywords (included upon request)	Offers additional keywords to characterize your music.

Musical Era	Defines the estimated year of release, for example, *Early 1970s / Mid 1970s*.
Classical Epoch (overall and segment analysis)	Provides the exact classical epoch definition following the tagging with Classical main genre, for example, *baroque* or *classical*.
Auto-Captions (Transformer Captions)	Generate a full-text description of the song directly from the audio.

What to Expect Next

Once you decide on your preferred way of using Cyanite, you can schedule a consultation with your personal manager to discuss the next steps or any questions you might have.

If you're still unsure about which features you need and how to make the most of them, watch or read our success stories:
How Cinephonix Integrated AI Search into Their Music Library
How did MySphera integrate Cyanite's API into their platform?
How BPM Supreme enriched their music services with AI-generated moods and search algorithms from Cyanite

Help & Support

For technical problems or errors, reach out to your personal manager at Cyanite or send us a message at mail@cyanite.ai.

See the FAQ section and follow our blog for updates and how-to guides.