



Backend Work Sample Brief

Please write your application using whatever stack you are fluent in. But we prefer to see it in TypeScript and Node.js (*not mandatory*). And send it back to the organizer before your technical interview.

Your Assignment

We want you to create an API for providing clients with trailer URLs. The API should take a movie resource link (e.g. <https://content.viaplay.se/pc-se/film/arrival-2016>) as input and based on that return the URL to the trailer for that movie. Within the movie resource, the IMDb information can be found at the following path:

```
_embedded["viaplay:blocks"][0]._embedded["viaplay:product"].content.imdb
```

You'll have to use a third-party service for this. You can use whichever service you like, but one alternative is the TMDb (themoviedb.org) API. The TMDb API requires an API key which you can obtain for free by signing up and requesting a Developer Key.

Think of your work as a good starting point for a bigger project. Something that can be built upon by other developers in the future. Add tests that you think are necessary. It need not be production ready, but we want you to think about further steps necessary to take it there. One consideration in particular is how your API handles heavy loads (tens of thousands of requests per second). Also, take into consideration that the Viaplay API contains around 50,000 movie titles.

The end result should be an archive of files or a link to a repository from where we can clone and run your code. Please add a README.md with information about your solution. How do we build and run it? Did you intentionally leave stuff out? In that case, what and why? Just provide your reasoning in plain English during the interview!

Don't spend more than a few hours on this. Feel free to use any tools you like to show us your skills. And please reach out openly if you have any questions.

Viaplay Content API

<http://content.viaplay.se/pc-se/film>

Viaplay Movie Resource Example Link

<https://content.viaplay.se/pc-se/film/arrival-2016>

TMDb API

<https://www.themoviedb.org/documentation/api>

Example Link That Your API Should Respond With

<https://www.youtube.com/watch?v=AMgyWT075KY>