



# Back-end Work Sample Brief

**Please write your application using Node.js and send it back to the organiser as soon as possible. We recommend that you use a framework for your application, but it's not required.**

## Your Assignment

We want you to create a REST 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
```

As Viaplay today does not have trailers, 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](https://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. Make sure that you add the amount and types of tests that you think is 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 load (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?

Don't spend more than a few of hours on this. Feel free to use any tools you like to show us your skills.

## Links

### **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>