

TRIP WITH

TED



TRESOLDI ANDREA – 1077310

1

Get_Talks_by_Tag

- Descrizione codice
- API gateway
- Esperienza utente

2

Get_Talk_by_Id

- Descrizione codice
- API gateway
- Esperienza utente

3

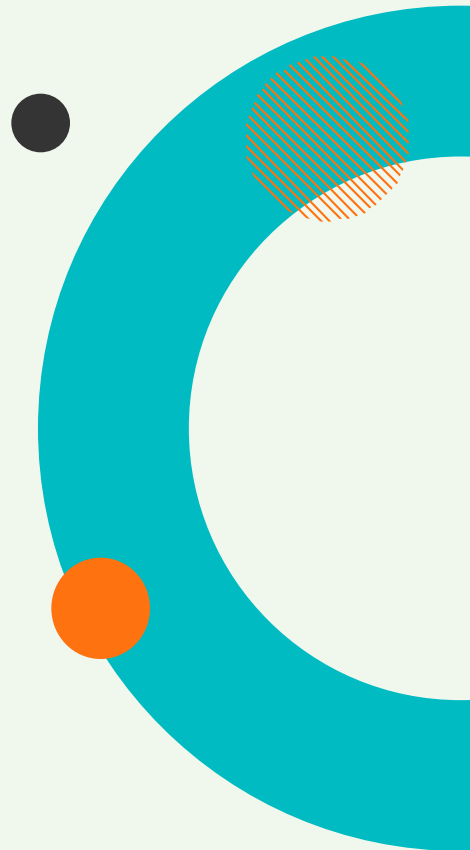
Get_Details_by_Main_Speaker

- Descrizione codice
- API gateway
- Esperienza utente

4

Get_Watch_Next_by_Id

- Descrizione codice
- API gateway
- Esperienza utente



1 – Get_Talks_by_Tag

Descrizione Codice:

```
connect_to_db().then(() => {  
  console.log('=> get_all talks');  
  talk.find({tags: body.tag})  
    .skip((body.doc_per_page * body.page) - body.doc_per_page)  
    .limit(body.doc_per_page)  
    .then(talks => {  
      callback(null, {  
        statusCode: 200,  
        body: JSON.stringify(talks)  
      })  
    })  
  .catch(err =>  
    callback(null, {  
      statusCode: err.statusCode || 500,  
      headers: { 'Content-Type': 'text/plain' },  
      body: 'Could not fetch the talks.'  
    })  
  );  
});
```

1 – Get_Talks_by_Tag

API gateway: https://rr54kro0gg.execute-api.us-east-1.amazonaws.com/default/Get_Talks_by_Tag

Params Authorization Headers (8) **Body** Pre-rec

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw

```
1 {
2   ... "tag": "design",
3   ... "doc_per_page": 10,
4   ... "page": 1
5 }
```

```
{
  "_id": "4c0a6b11c4d853b28bd8a09bf9bcc640",
  "main_speaker": "Alex Gendler",
  "title": "How one design flaw almost toppled a skyscraper",
  "details": "In 1978, Diane Hartley was writing her undergraduate architecture thesis when she made a shocking discovery. After weeks of poring over the Citicorp Center's building plans, she'd stumbled on an oversight that threatened to topple the 59-story tower into one of New York City's most densely populated districts. Alex Gendler digs into the skyscraper's potentially deadly mistake. [Directed by Nicholas Paim, Aloptra Studio, narrated by Jack Cutmore-Scott, music by Stephen LaRosa].",
  "posted": "Posted May 2021",
  "url": "https://www.ted.com/talks/alex_gendler_how_one_design_flaw_almost_toppled_a_skyscraper",
  "num_views": "273,761",
  "duration": "4:57",
  "tags": [
    "TED",
    "talks",
    "TED-Ed",
    "engineering",
    "education",
    "animation",
    "design",
    "history",
    "architecture"
  ],
  "watch_next_urls": [
    "https://www.ted.com/talks/alex_gendler_why_doesn_t_the_leaning_tower_of_pisa_fall_over",
  ]
}
```

1 – Get_Talks_by_Tag



Esperienza Utente:

- A seconda del tipo di attività e delle tematiche che l'utente deve affrontare, appena si mette in viaggio è in grado di scegliere il talk più adatto alle sue esigenze utilizzando la ricerca dei talks per tag. Ad esempio inserendo come tag “Intelligenza Artificiale” la funzione restituisce una lista di TED talks relativi all'argomento specificato con tutte le informazioni necessaria associate.



2 – Get_Talk_by_Id

Descrizione Codice:

```
connect_to_db().then(() => {  
  console.log('=> get talk');  
  talk.findOne({_id: body.id})  
    .then(talk => {  
      callback(null, {  
        statusCode: 200,  
        body: JSON.stringify(talk)  
      })  
    })  
    .catch(err => {  
      callback(null, {  
        statusCode: err.statusCode || 500,  
        headers: { 'Content-Type': 'text/plain' },  
        body: 'Could not fetch the talk.'  
      })  
    })  
});
```

2 – Get_Talk_by_Id

API gateway: https://z1vxyje30d.execute-api.us-east-1.amazonaws.com/default/Get_Talk_by_Id

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw

```
1 {  
2   ... "id": "8cce2e464d0bb2adc24284a827768dd0"  
3 }
```

```
"_id": "8cce2e464d0bb2adc24284a827768dd0",  
"main_speaker": "Simon Sinek",  
"title": "How to discover your \"why\" in difficult times",  
"details": "What has the coronavirus pandemic taught us about ourselves and our relationships? In a deeply personal and  
wide-ranging conversation, leadership expert Simon Sinek shares his own experience caring for his mental health in a  
world shut down. He discusses why we need to nurture friendships (in both good times and bad), explains why anyone  
can be a leader -- and reveals the secret to discovering your \"why\" in life. (This virtual conversation, hosted by  
of TED Chris Anderson, was part of an exclusive TED Membership event. Visit ted.com/membership to become a TED Member.)",  
"posted": "Posted May 2021",  
"url": "https://www.ted.com/talks/simon\_sinek\_how\_to\_discover\_your\_why\_in\_difficult\_times",  
"num_views": "471,899",  
"duration": "15:39",  
"tags": [  
  "TED",  
  "talks",  
  "leadership",  
  "mental health",  
  "self",  
  "personal growth",  
  "relationships",  
  "vulnerability"  
],  
"watch_next_urls": [  
  "https://www.ted.com/talks/scott\_dinsmore\_how\_to\_find\_work\_you\_love",  
  "https://www.ted.com/talks/tracy\_young\_how\_vulnerability\_makes\_you\_a\_better\_leader",  
  ...  
]
```

2 – Get_Talk_by_Id



Esperienza Utente:

- Nel caso in cui l'utente abbia a disposizione l'Id del suo talk preferito può utilizzare questo filtro per cercarlo. La funzione restituisce, se esiste, il relativo talk con le seguenti informazioni: Speaker, titolo del talk, una piccola descrizione, quando è stato postato il seguente talk, l'url del video, il numero di visualizzazioni, la durata, i tags associati e i video consigliati.



3 – Get_Details_by_Main_Speaker



Descrizione Codice:

```
connect_to_db().then(() => {
  console.log('=> get_all talks');
  main_speaker.findOne({main_speaker_name: body.main_speaker_name})

  .then(details => {
    callback(null, {
      statusCode: 200,
      body: JSON.stringify(details)
    })
  })
})
.catch(err =>
  callback(null, {
    statusCode: err.statusCode || 500,
    headers: { 'Content-Type': 'text/plain' },
    body: 'Could not fetch the details.'
  })
);
```

3 – Get_Details_by_Main_Speaker

API gateway: https://9ie9vwv856.execute-api.us-east-1.amazonaws.com/default/Get_Details_by_Main_Speaker

Params Authorization Headers (8) **Body** Pre-reqs

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw

```
1 {
2   ... "main_speaker_name": "Adam Grant"
3 }
```

```
{
  "_id": "60be14deff5a3902b92ebe72",
  "main_speaker_name": "Adam Grant",
  "main_speaker_description": "Adam M. Grant (born August 13, 1981) is an American psychologist and author who is currently a professor at the Wharton School of the University of Pennsylvania specializing in organizational psychology.",
  "related_urls": [
    "https://www.ted.com/talks/adam_grant_are_you_a_giver_or_a_taker",
    "https://www.ted.com/talks/adam_grant_the_surprising_habits_of_original_thinkers",
    "https://www.ted.com/talks/adam_grant_what_frogs_in_hot_water_can_teach_us_about_thinking_again"
  ]
}
```

3 – Get_Details_by_Main_Speaker



Esperienza Utente:

- Questa funzione è pensata per tutti gli utenti interessati a leggere una piccola descrizione inerente ad uno speaker particolare oppure interessati a vedere tutti i talk disponibili nel database condotti dal loro speaker preferito.



4 – Get_Watch_Next_by_Id

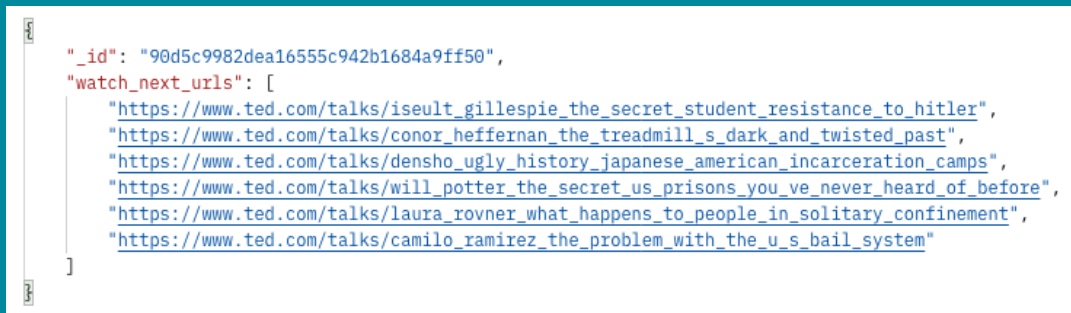
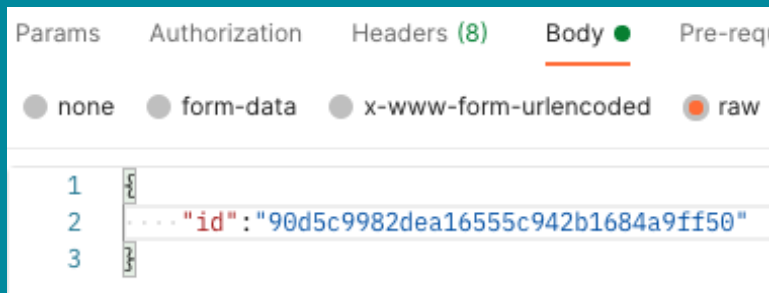
Descrizione Codice:

```
connect_to_db().then(() => {  
  console.log('=> get watch next');  
  talk.findOne({_id: body.id})  
    .select("watch_next_urls")  
    .then(watch_next => {  
      callback(null, {  
        statusCode: 200,  
        body: JSON.stringify(watch_next)  
      })  
    })  
})  
.catch(err =>  
  callback(null, {  
    statusCode: err.statusCode || 500,  
    headers: { 'Content-Type': 'text/plain' },  
    body: 'Could not fetch the watch next.'  
  })  
);  
});
```

4 – Get_Watch_Next_by_Id



API gateway: https://rakfh7hzrd.execute-api.us-east-1.amazonaws.com/default/Get_Watch_Next_by_Id



4 – Get_Watch_Next_by_Id



Esperienza Utente:

- Quando l'utente termina la riproduzione di un TED talk questa funzione si occupa di fornire una lista di video consigliati da vedere nel caso in cui sia piaciuto il talk appena riprodotto.





Grazie