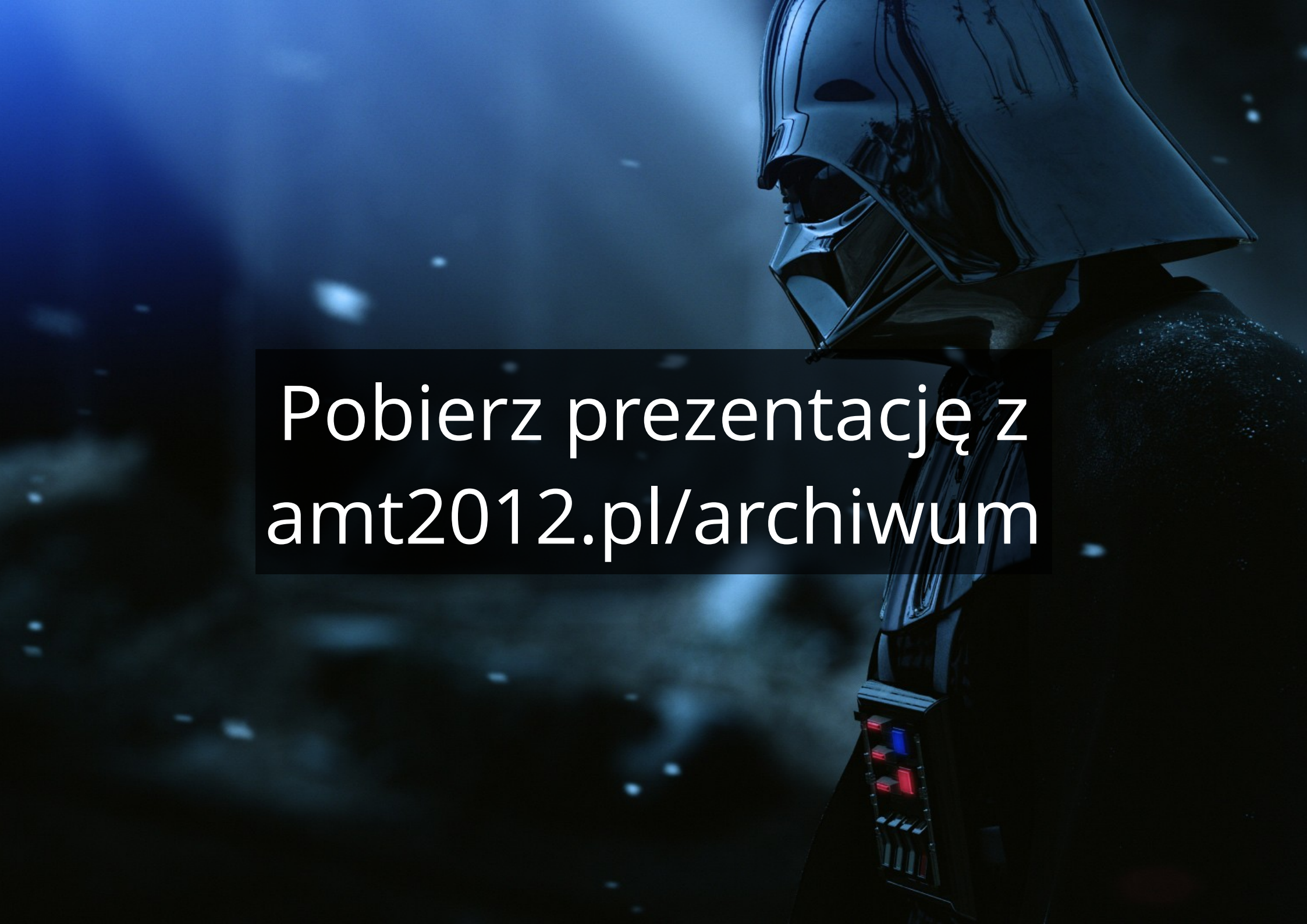
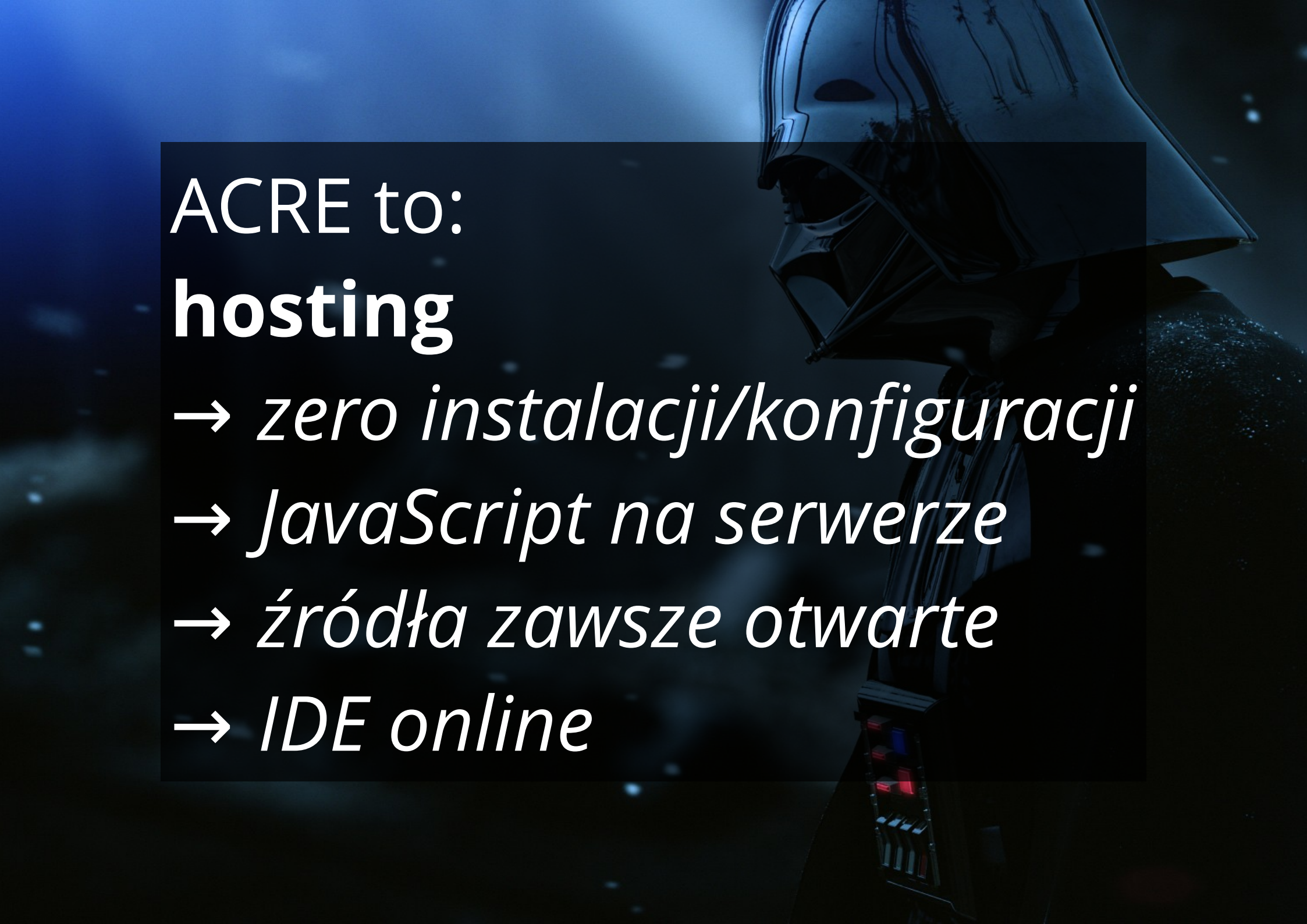
Freebase
oraz hosting
ACRE


Pobierz prezentację z
amt2012.pl/archiwum



ACRE to:

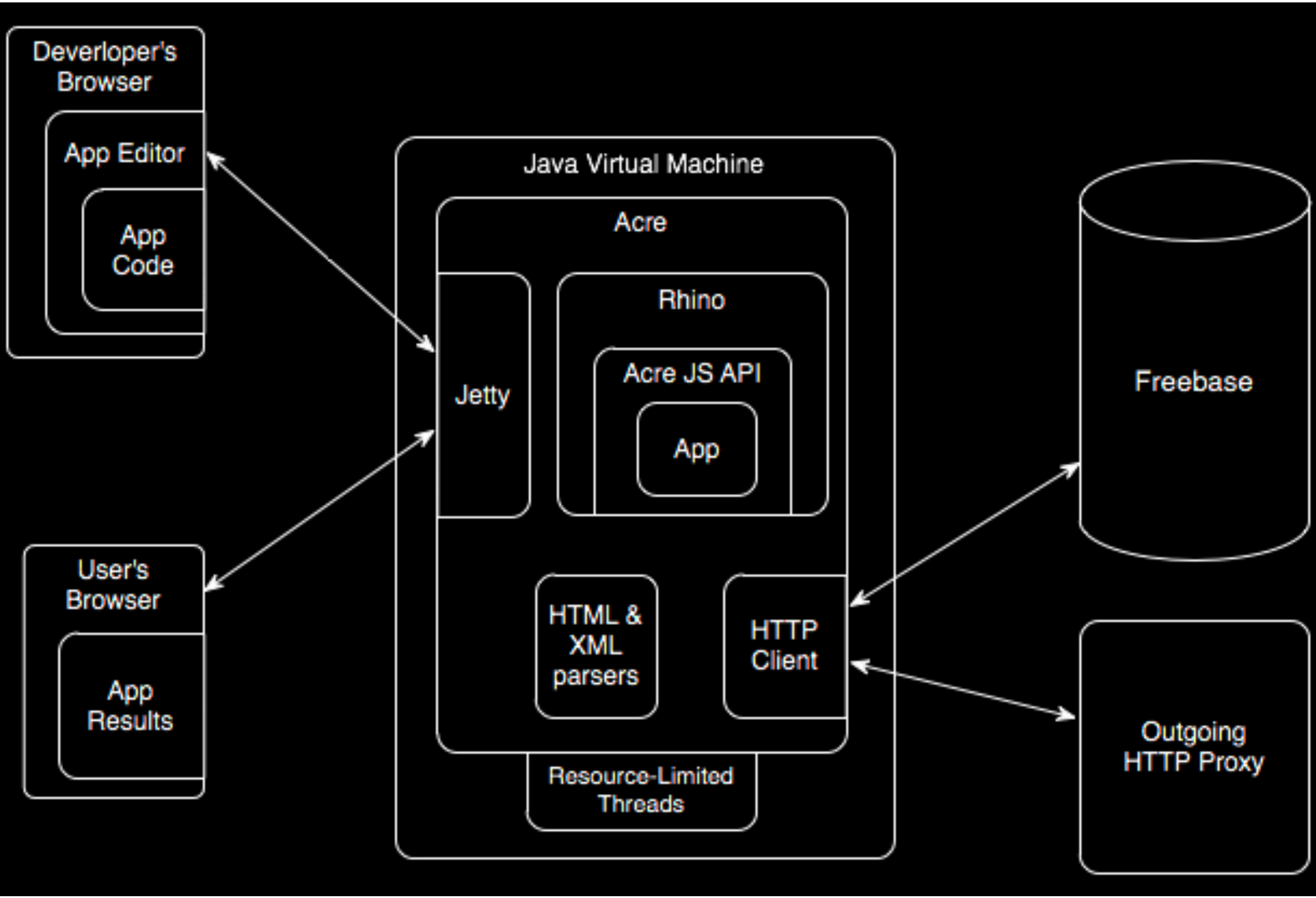
hosting

→ *zero instalacji/konfiguracji*

→ *JavaScript na serwerze*

→ *źródła zawsze otwarte*

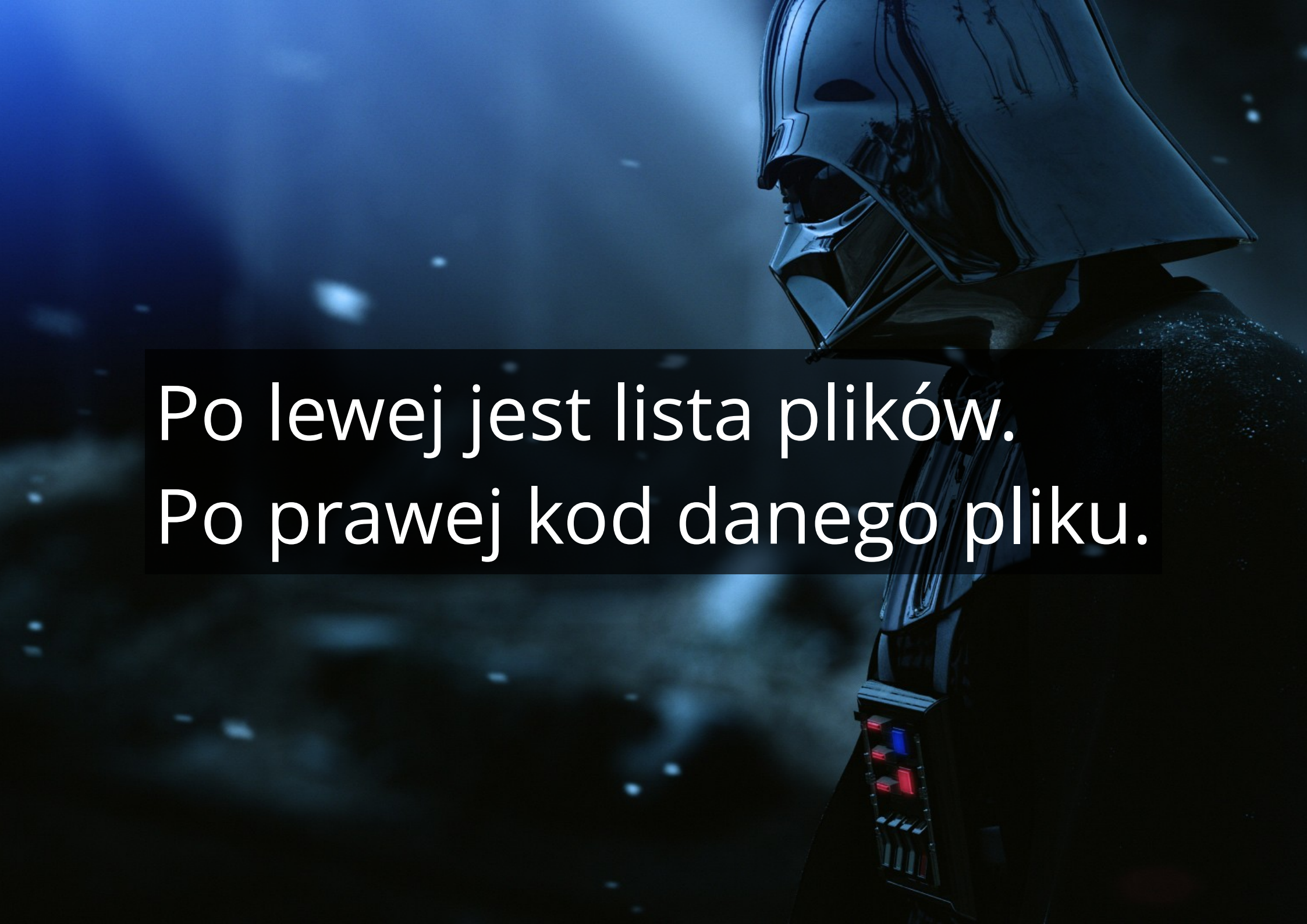
→ *IDE online*

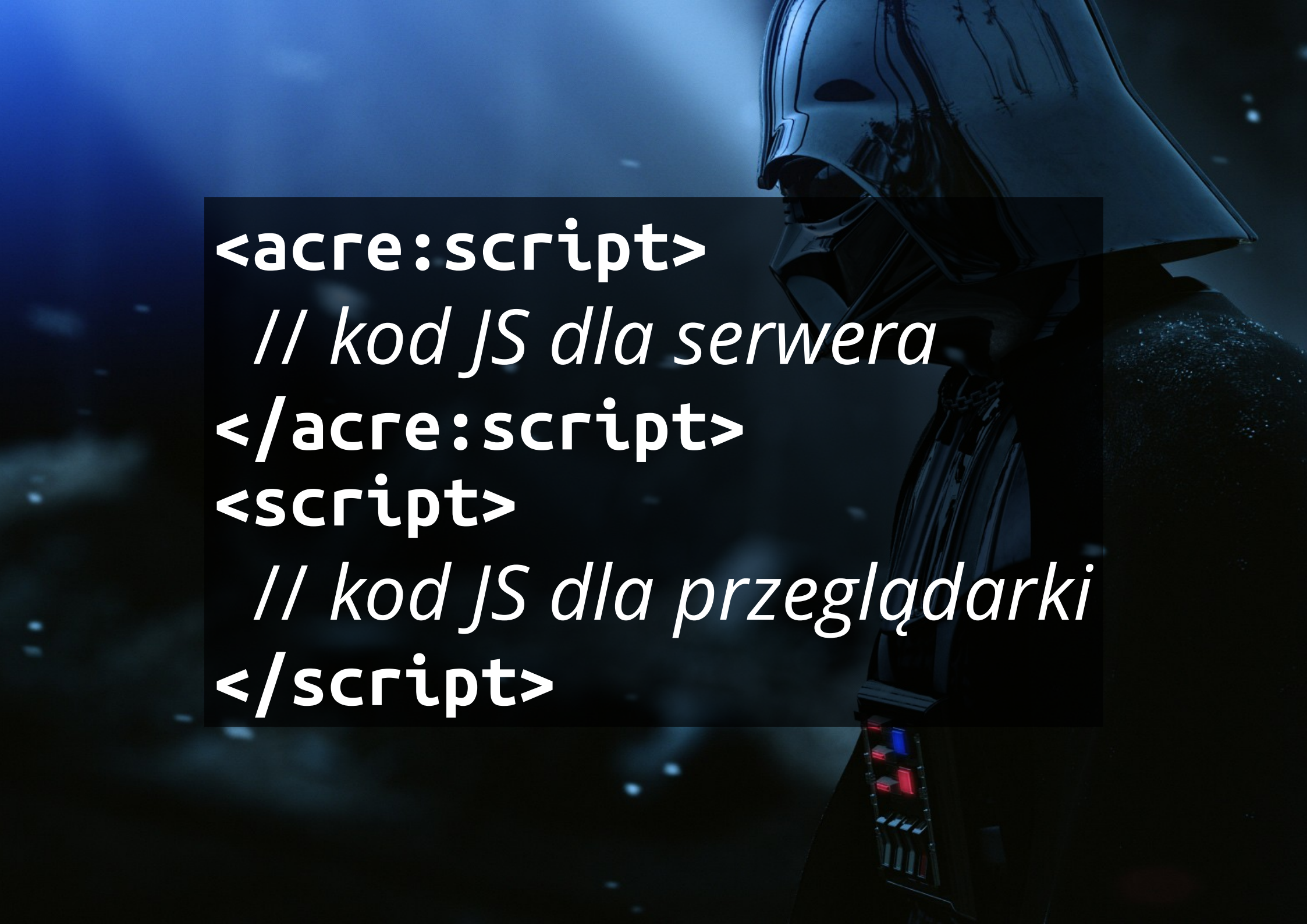

Deverloper's Browser
App Editor
App Code
Java Virtual Machine
Acre
Jetty
Rhino
Acre JS API
App
Freebase
User's Browser
App Results
HTML & XML parsers
HTTP Client
Outgoing HTTP Proxy
Resource-Limited Threads

Witaj ACRE!

acre.freebase.com
↓
Zaloguj się

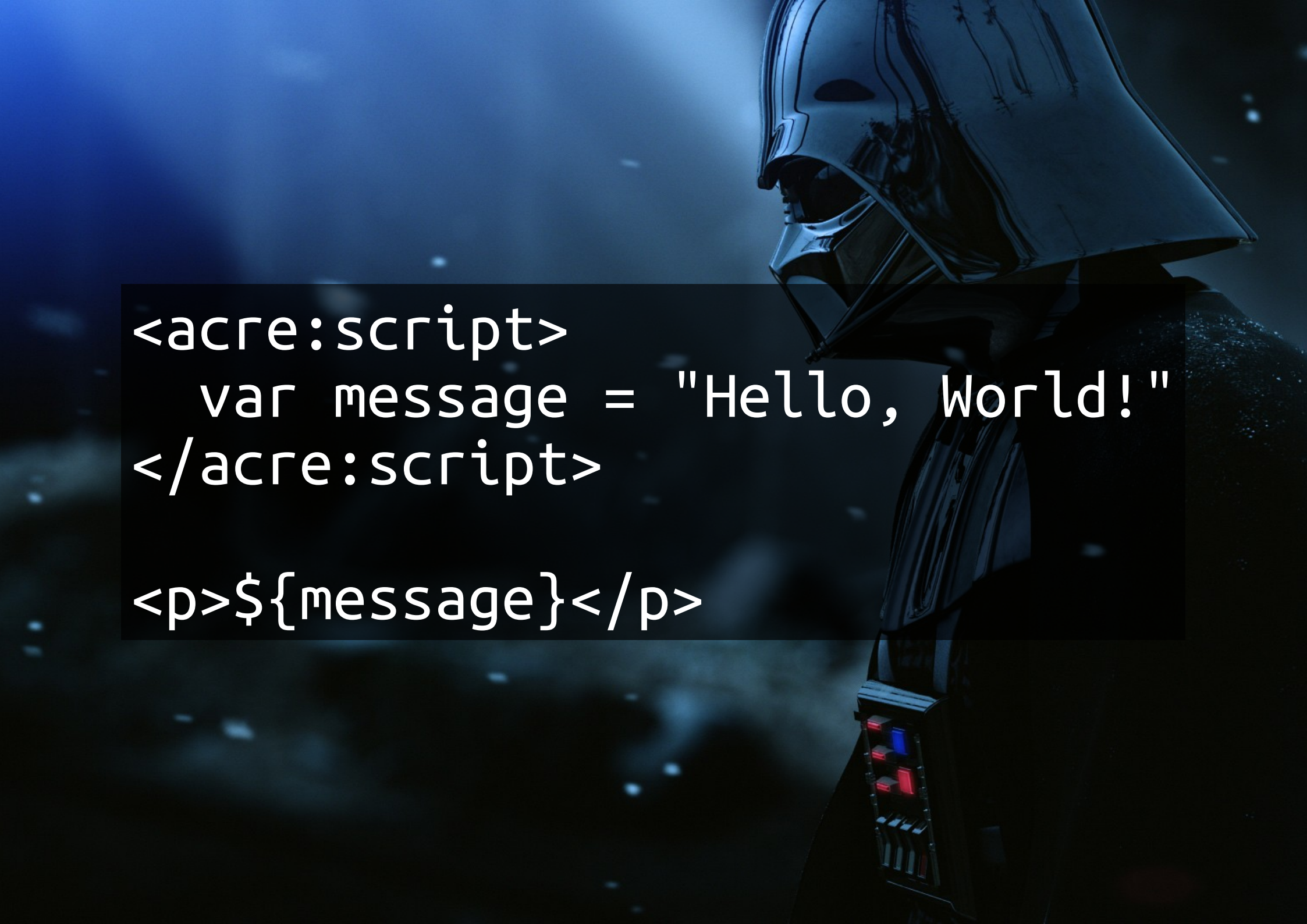
Create New App
W obu polach: amt


Po lewej jest lista plików.
Po prawej kod danego pliku.



```
<acre:script>
  // kod JS dla serwera
</acre:script>
<script>
  // kod JS dla przeglądarki
</script>
```

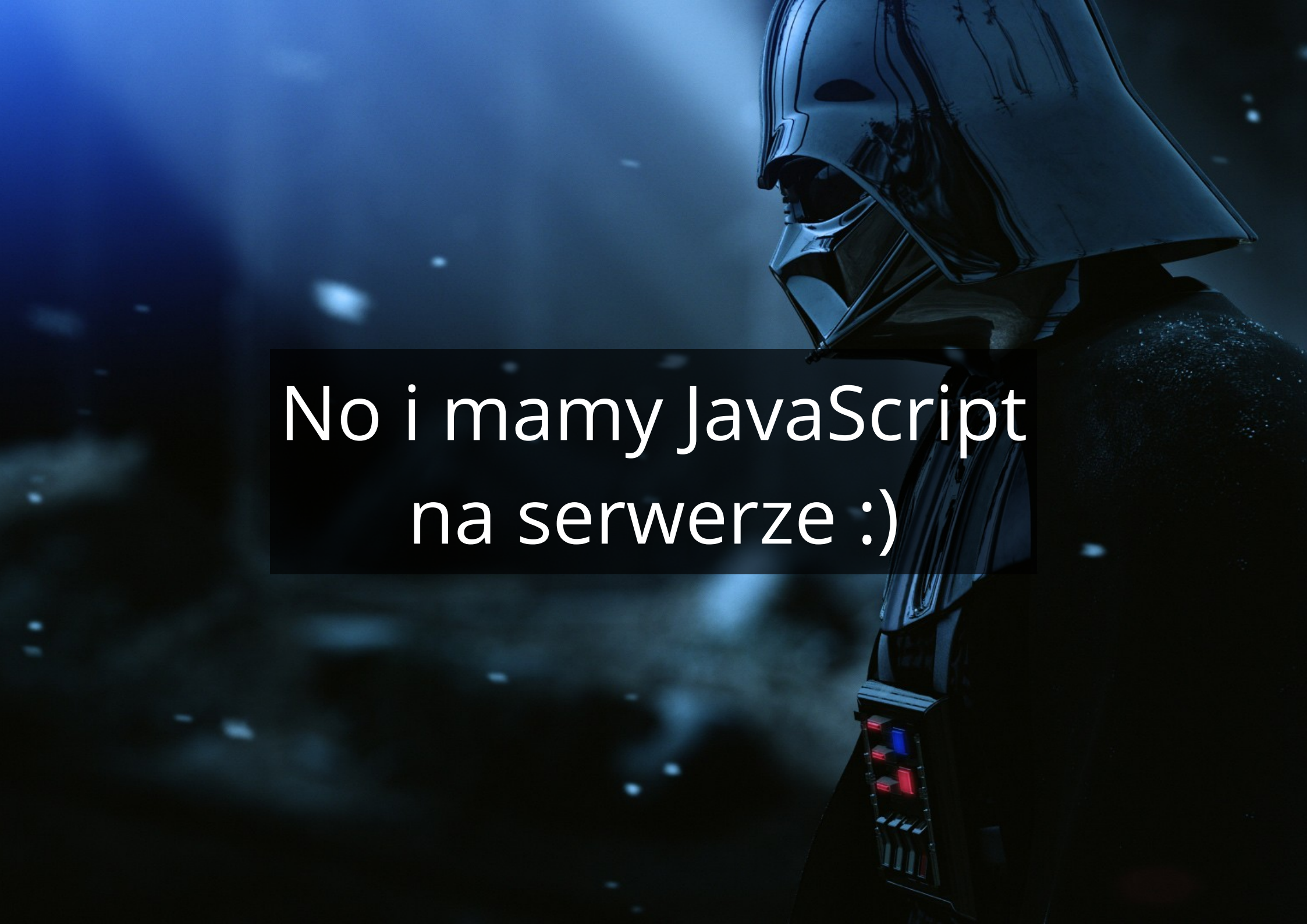
Pora na
HELLO WORLD



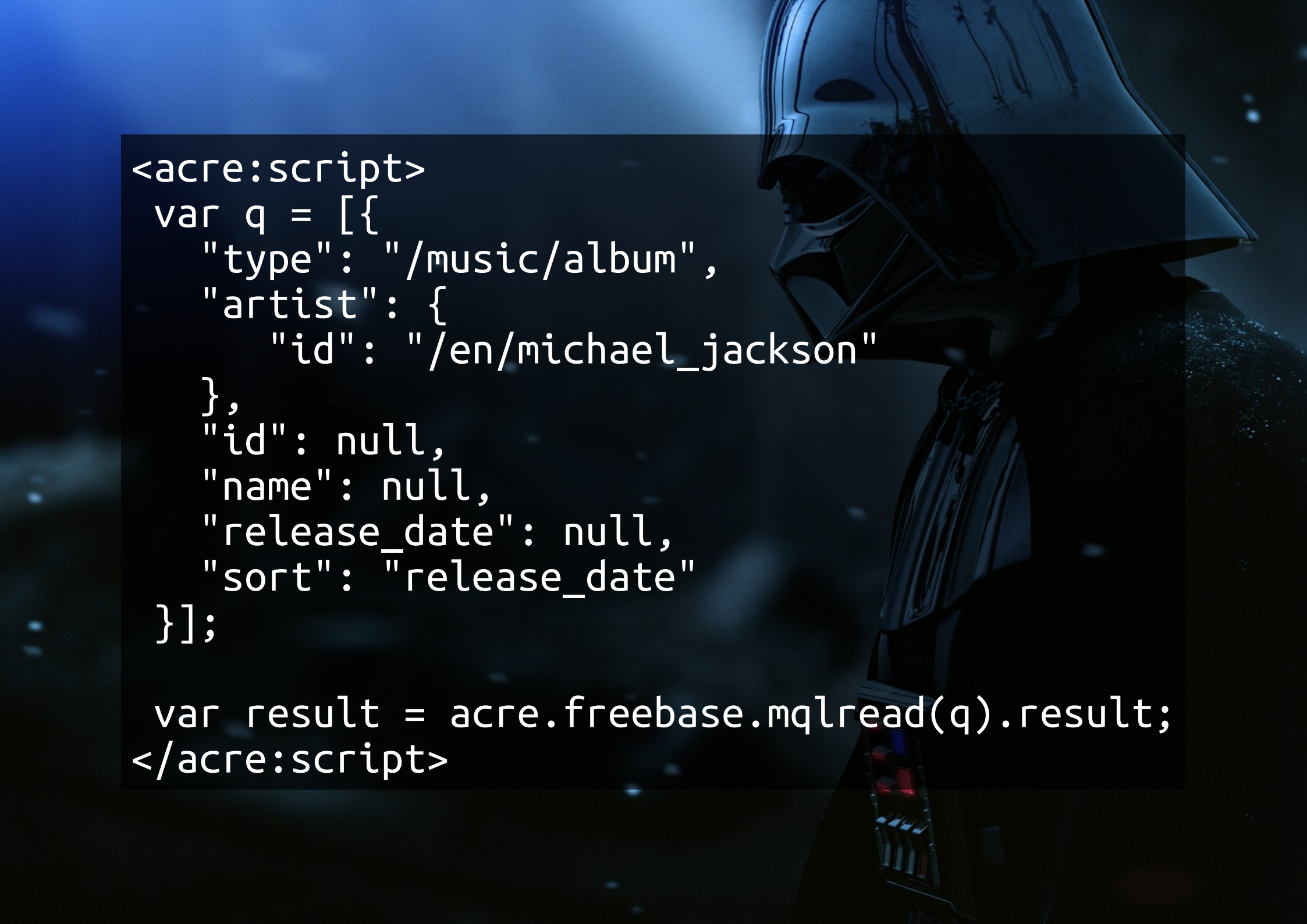
```
<acre:script>
  var message = "Hello, World!"
</acre:script>

<p>${message}</p>
```

View with Console


No i mamy JavaScript
na serwerze :)

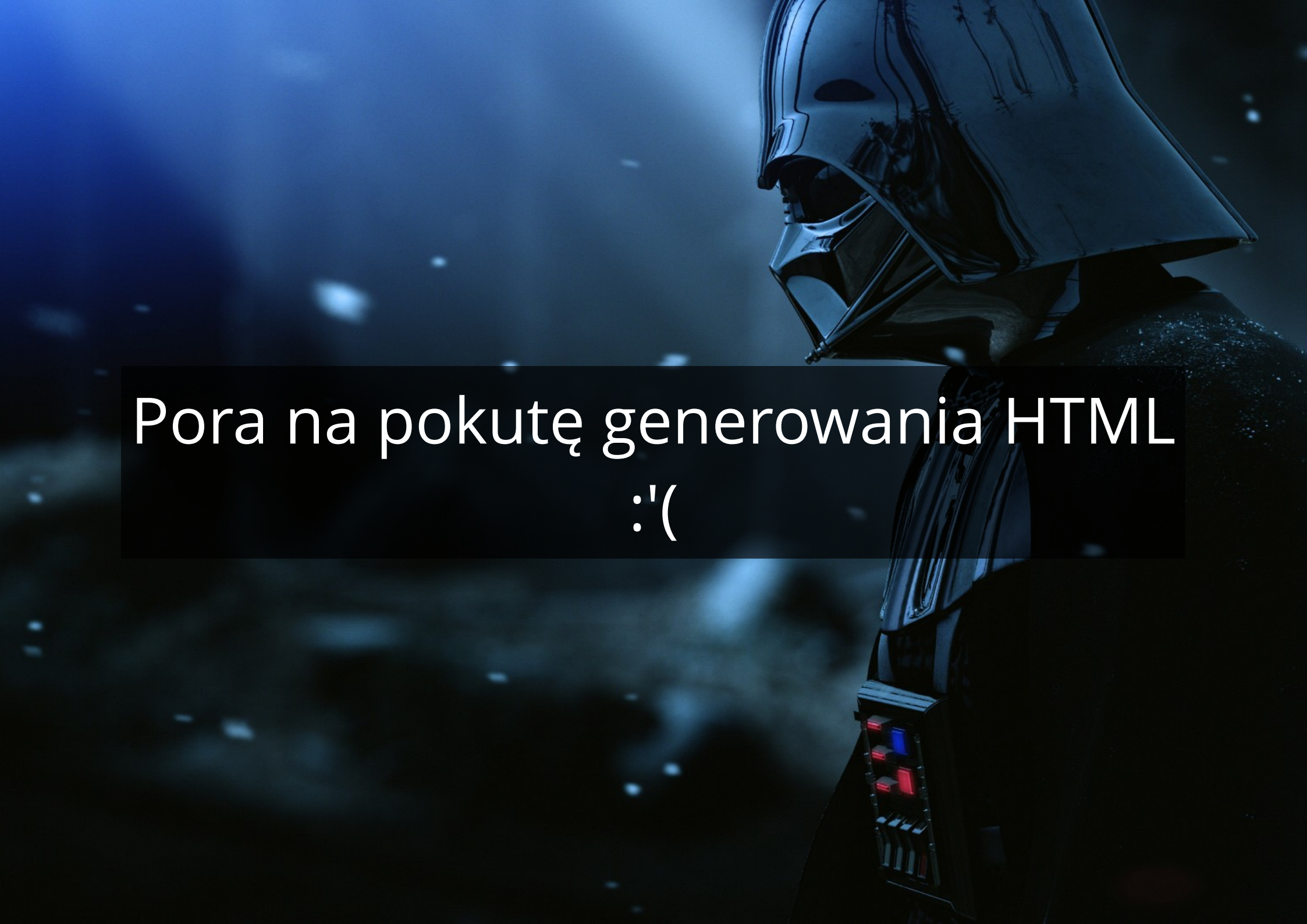
Pora na
FREEBASE



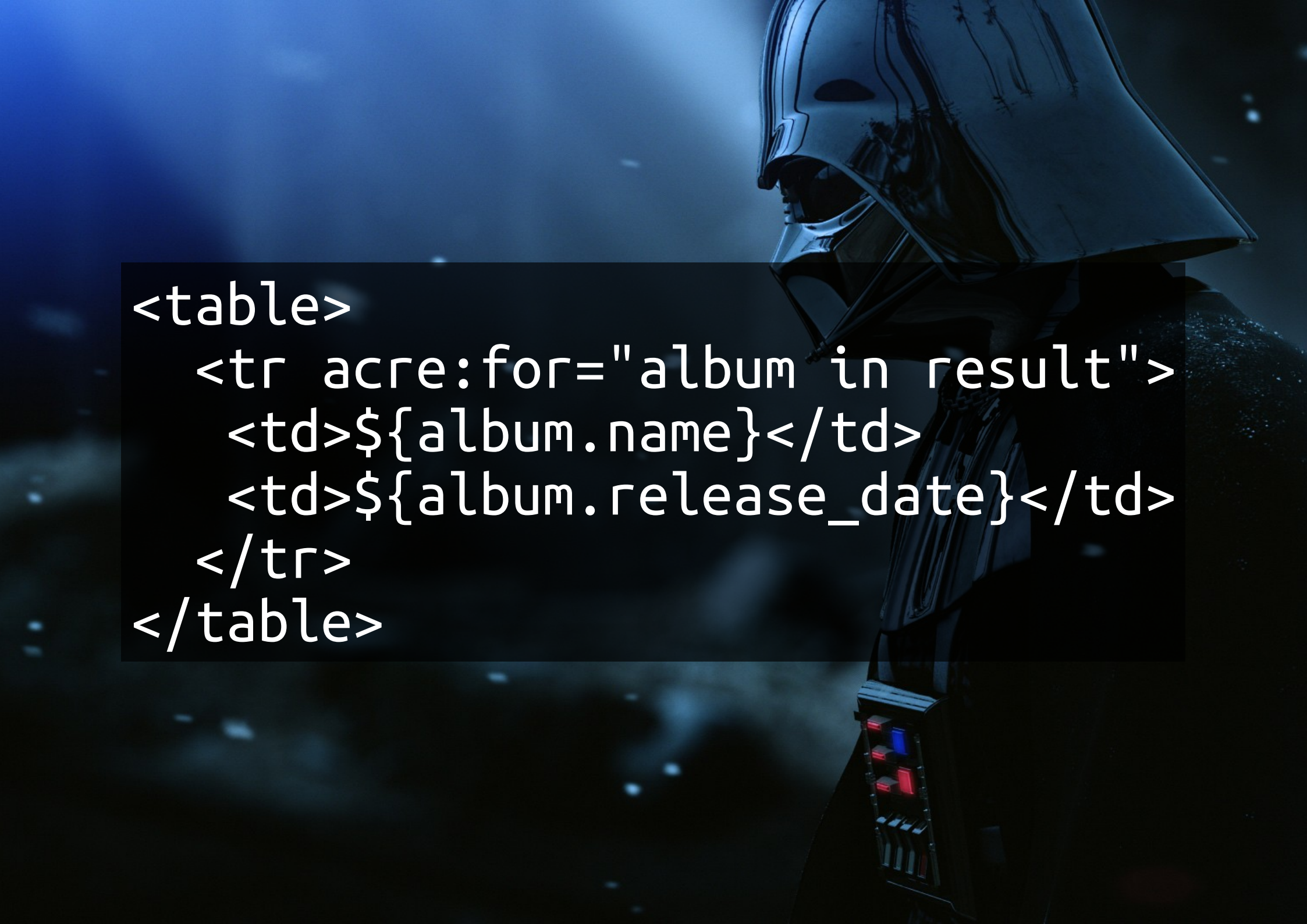
```
<acre:script>
 var q = [{
   "type": "/music/album",
   "artist": {
      "id": "/en/michael_jackson"
   },
   "id": null,
   "name": null,
   "release_date": null,
   "sort": "release_date"
 }];

 var result = acre.freebase.mqlread(q).result;
</acre:script>
```

Mamy JSON z odpowiedzią.

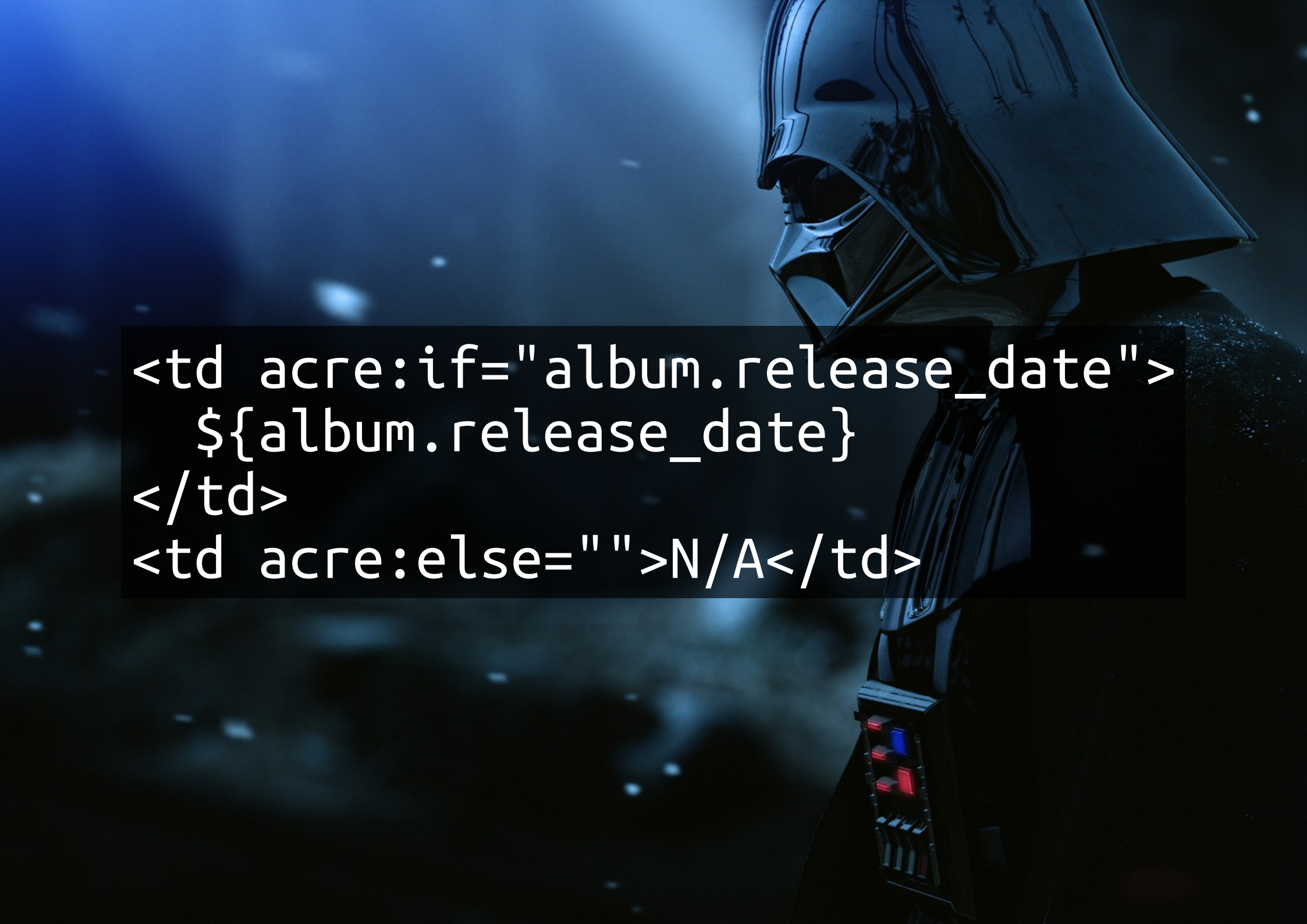

Pora na pokutę generowania HTML
:'(

Z pomocą nadchodzą
szablony MJT



```
<table>
  <tr acre:for="album in result">
    <td>${album.name}</td>
    <td>${album.release_date}</td>
  </tr>
</table>
```

A co z nullami?



```
<td acre:if="album.release_date">
  ${album.release_date}
</td>
<td acre:else="">N/A</td>
```

Bajer

Dodajmy formularz
edycji.

Przez Freebase
oczywiście

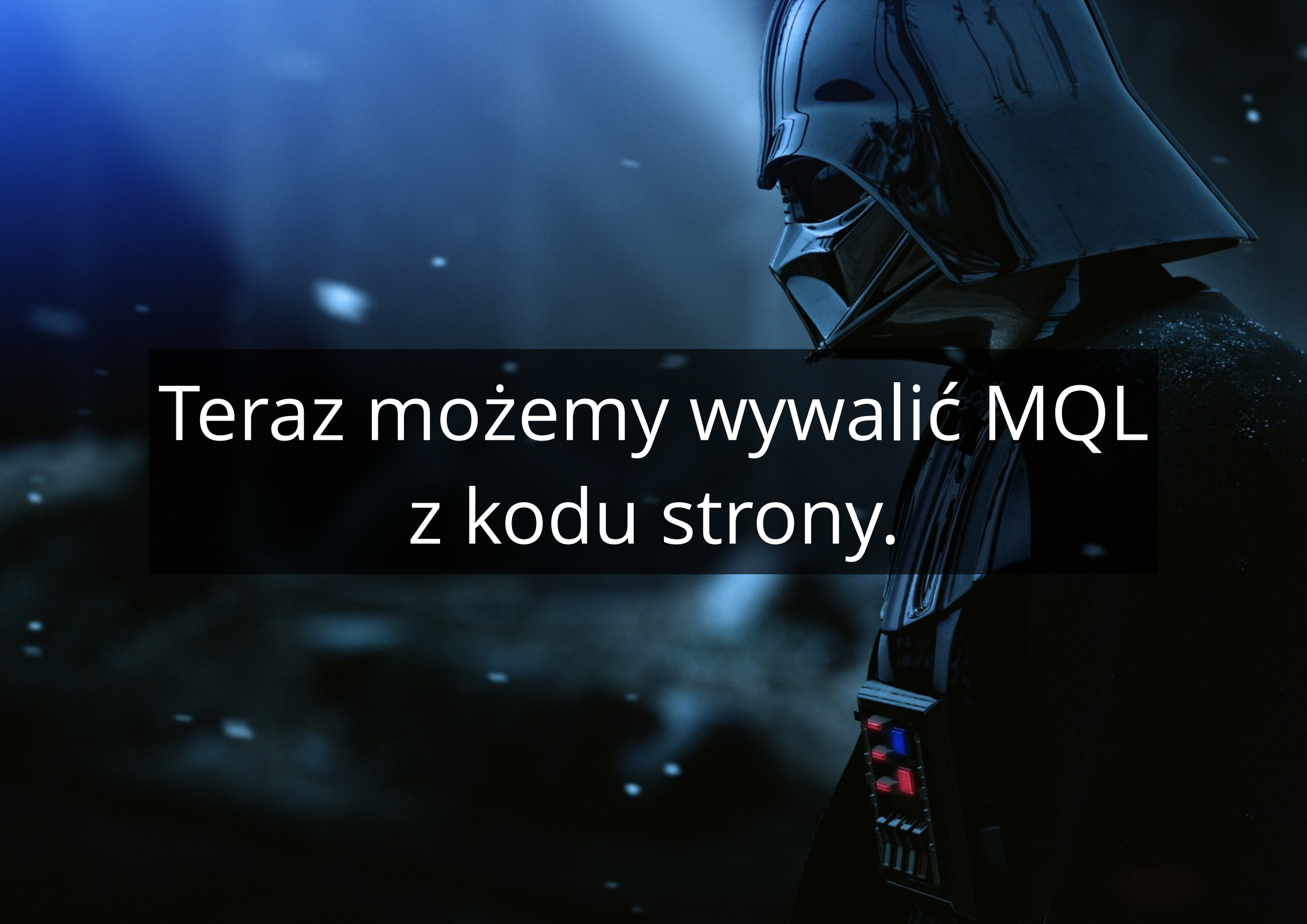
```
<td>
  <a href="http://www.freebase.com/edit/topic${album.id}">
    ${album.name}
  </a>
</td>
```

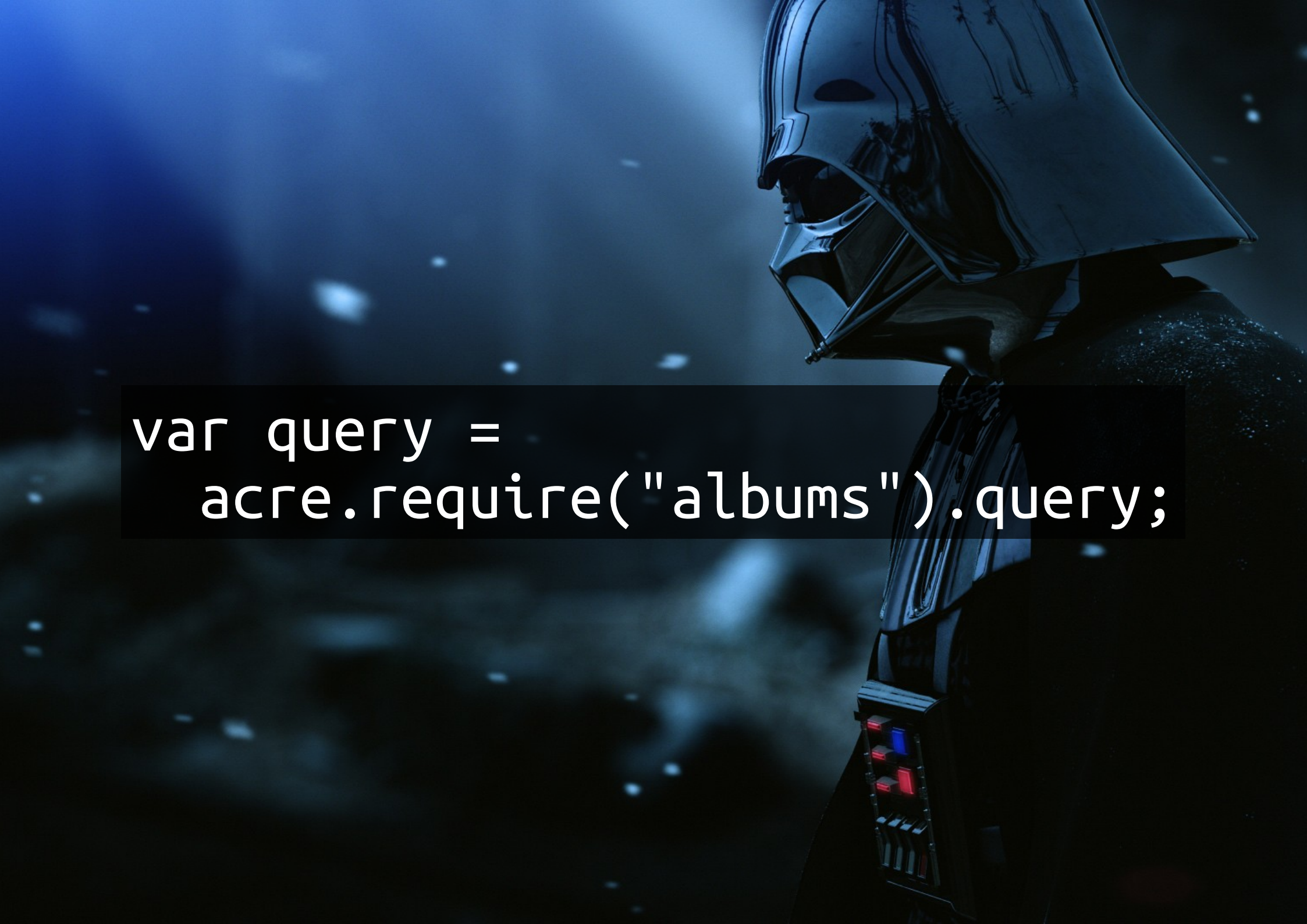
Jest miejsce na MQL.
New File
↓
Query

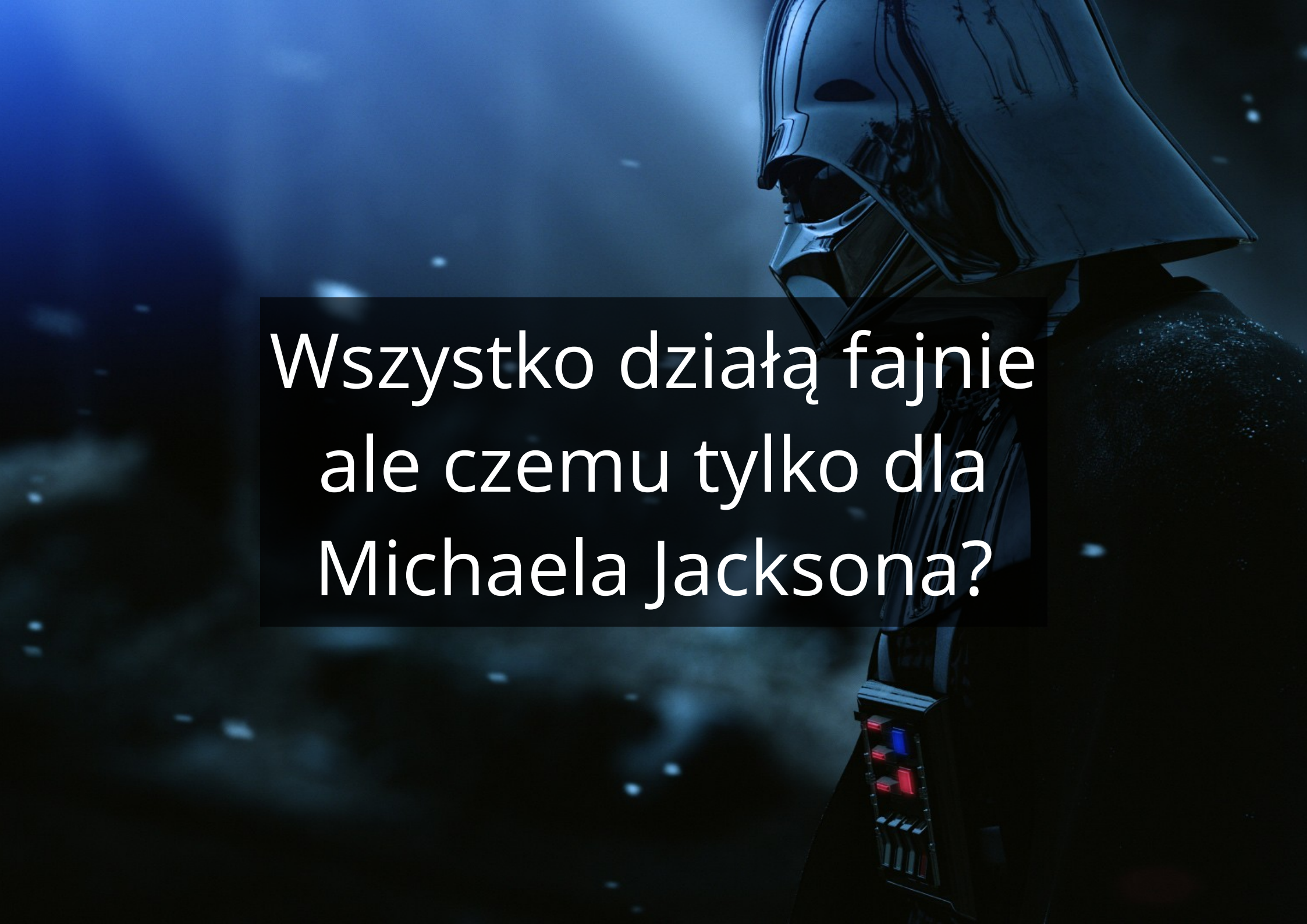
Załóż plik typu Query: `albums`

Wpisz nasz kod...

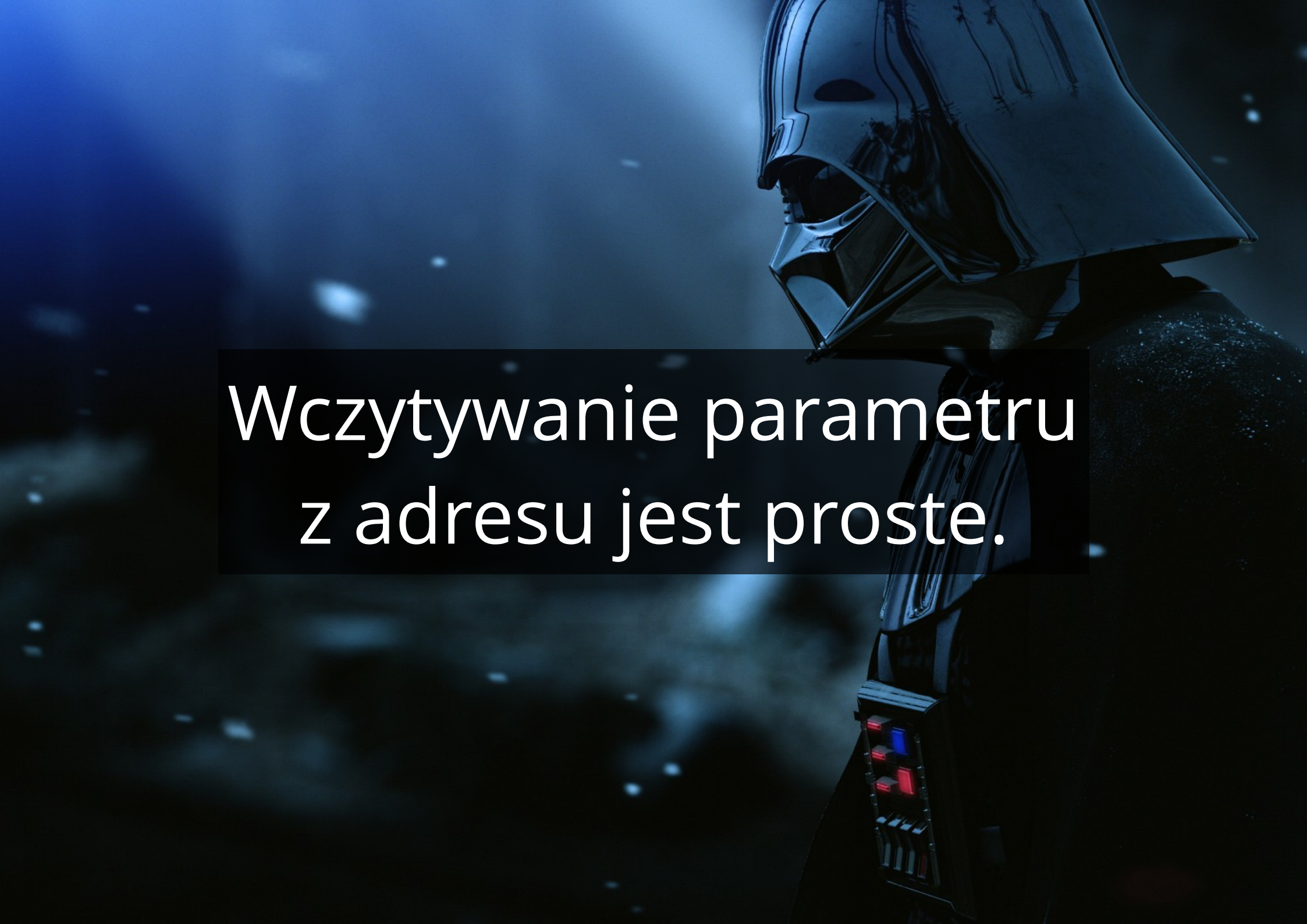
```
[{
  "type": "/music/album",
  "artist": {
    "id": "/en/michael_jackson"
  },
  "id": null,
  "name": null,
  "release_date": null,
  "sort": "release_date"
}]
```

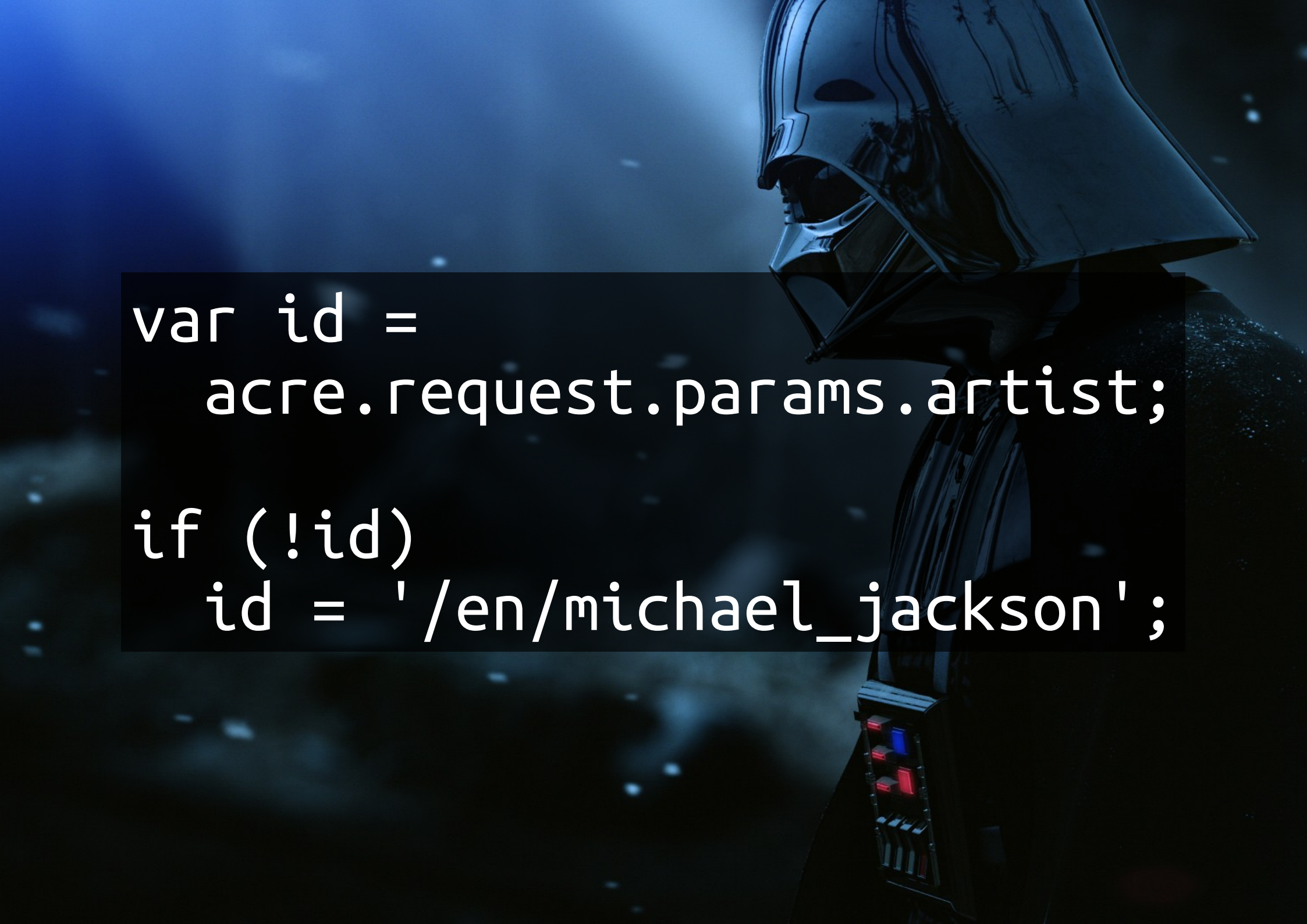

Teraz możemy wywalić MQL
z kodu strony.


var query =
acre.require("albums").query;


Wszystko działą fajnie
ale czemu tylko dla
Michaela Jacksona?

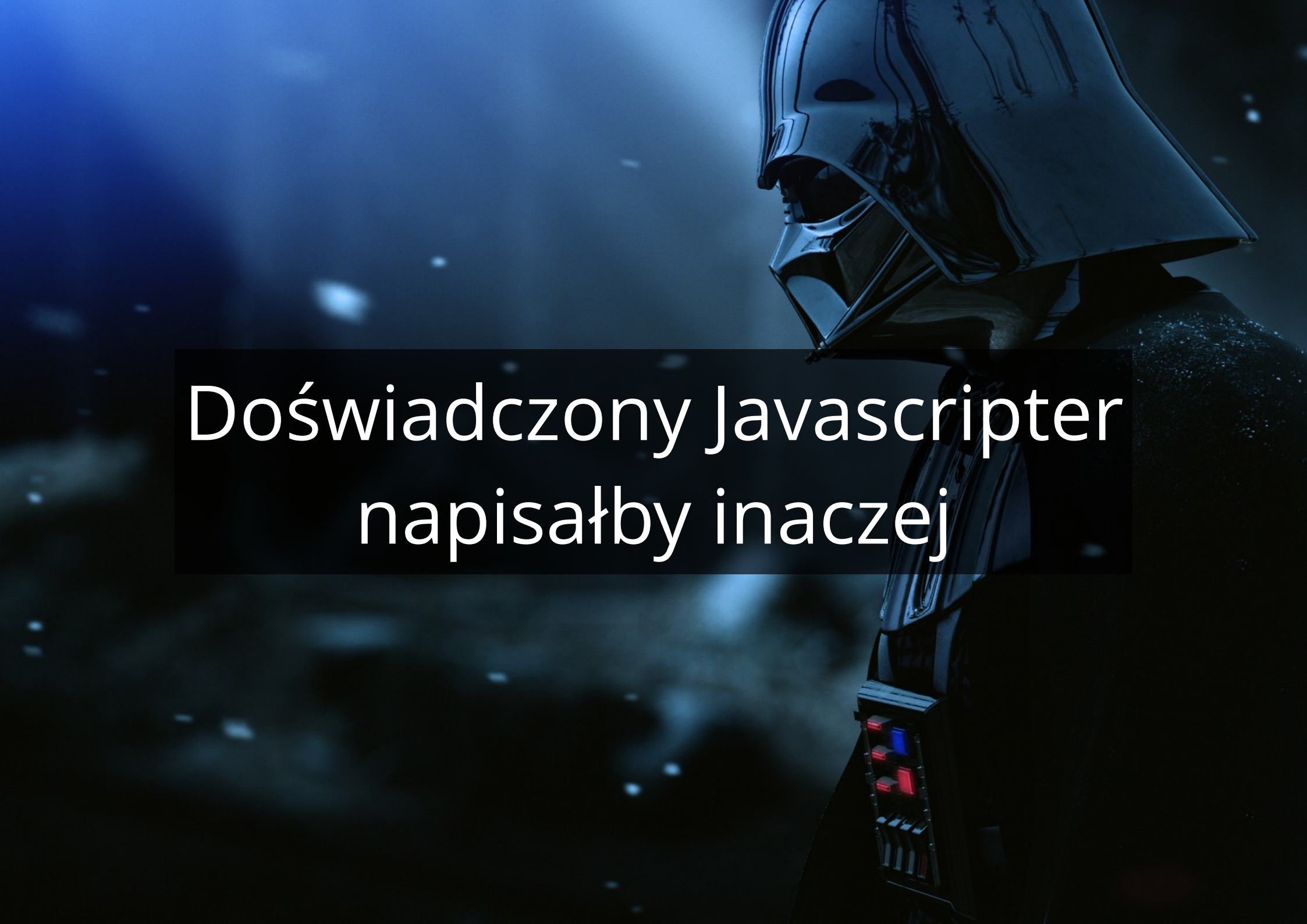
Zmieńmy to!

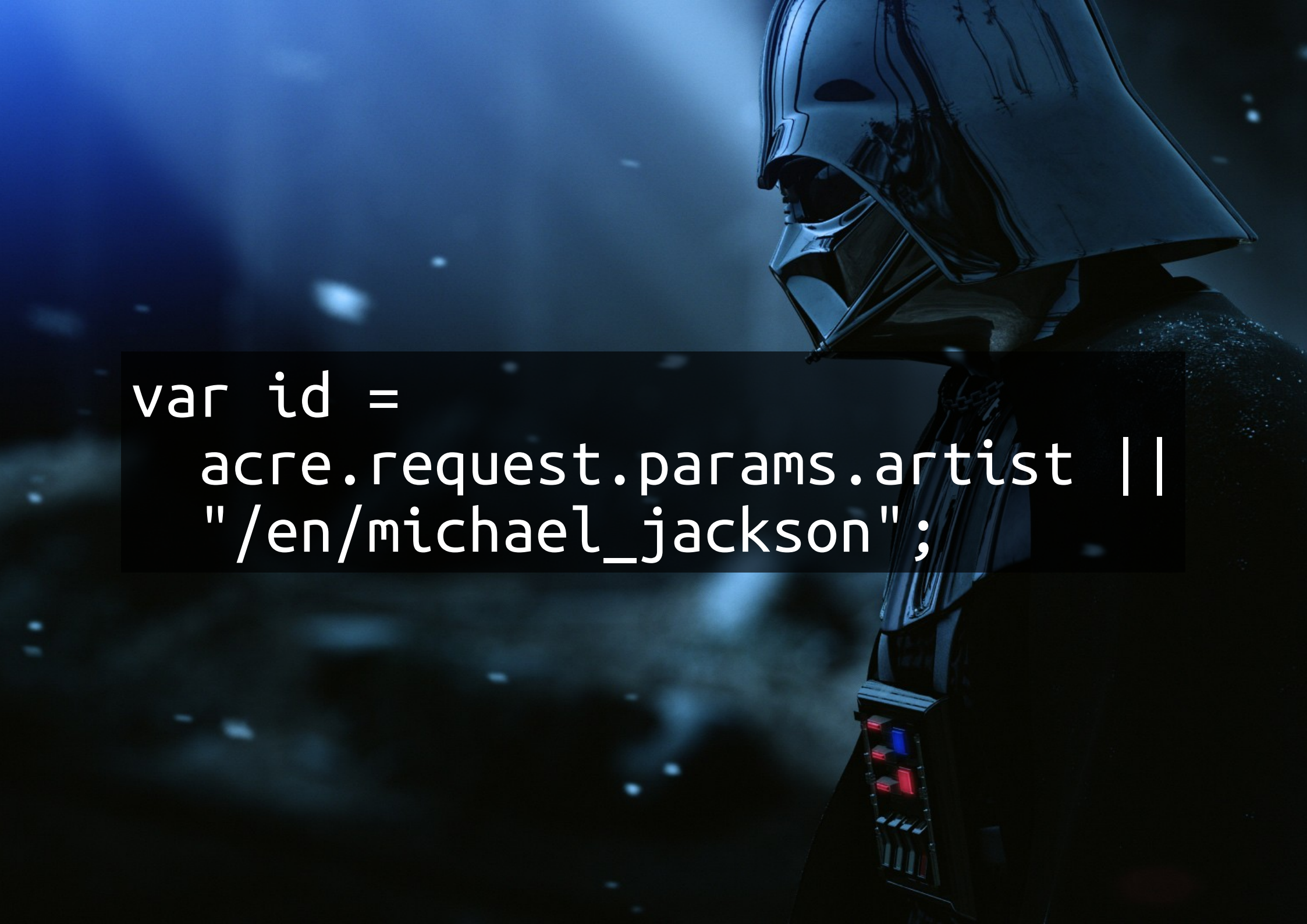

Wczytywanie parametru
z adresu jest proste.



```
var id =
  acre.request.params.artist;

if (!id)
  id = '/en/michael_jackson';
```


Doświadczony Javascripter
napisałby inaczej

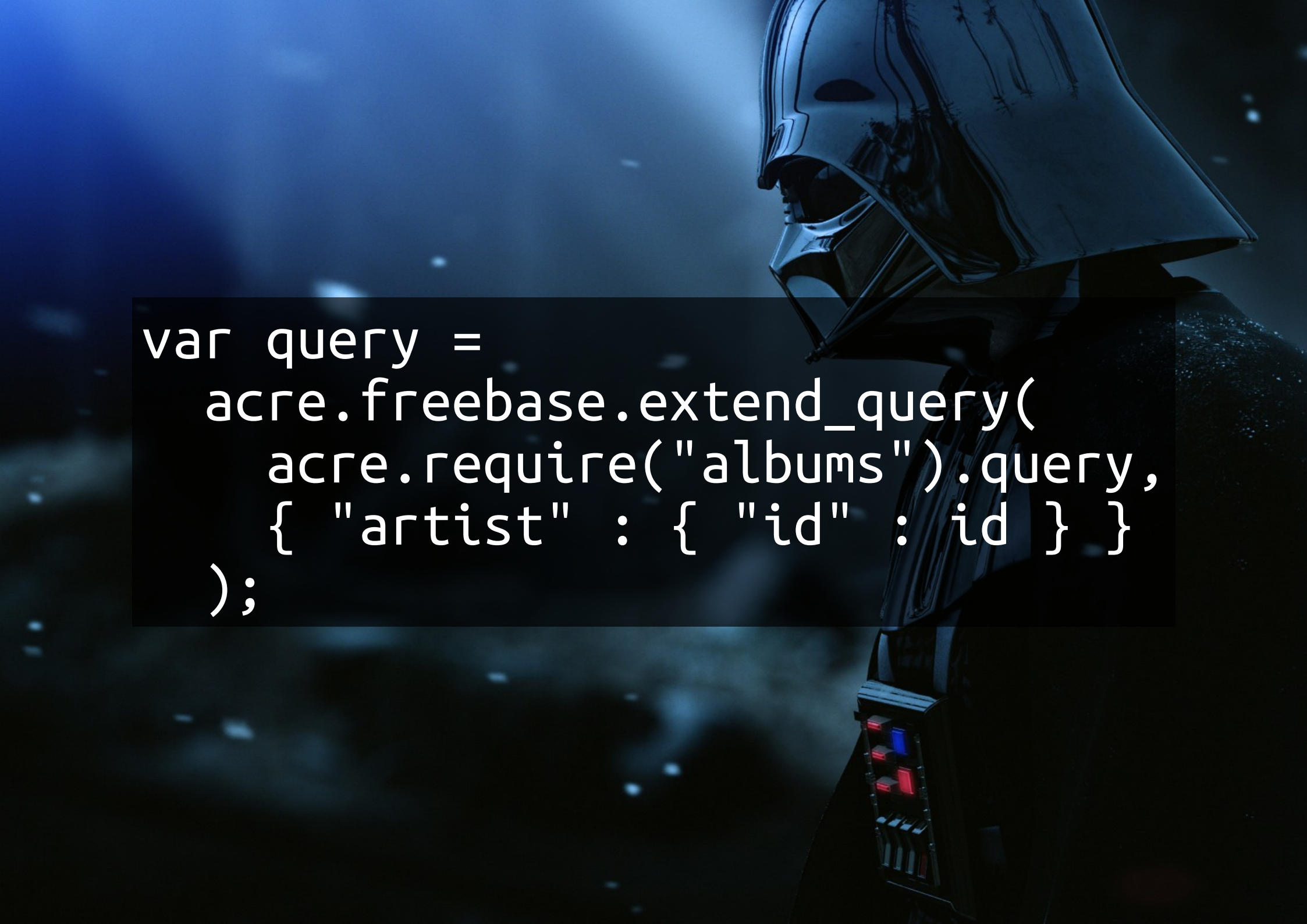


```
var id =
  acre.request.params.artist ||
  "/en/michael_jackson";
```

Mamy id.

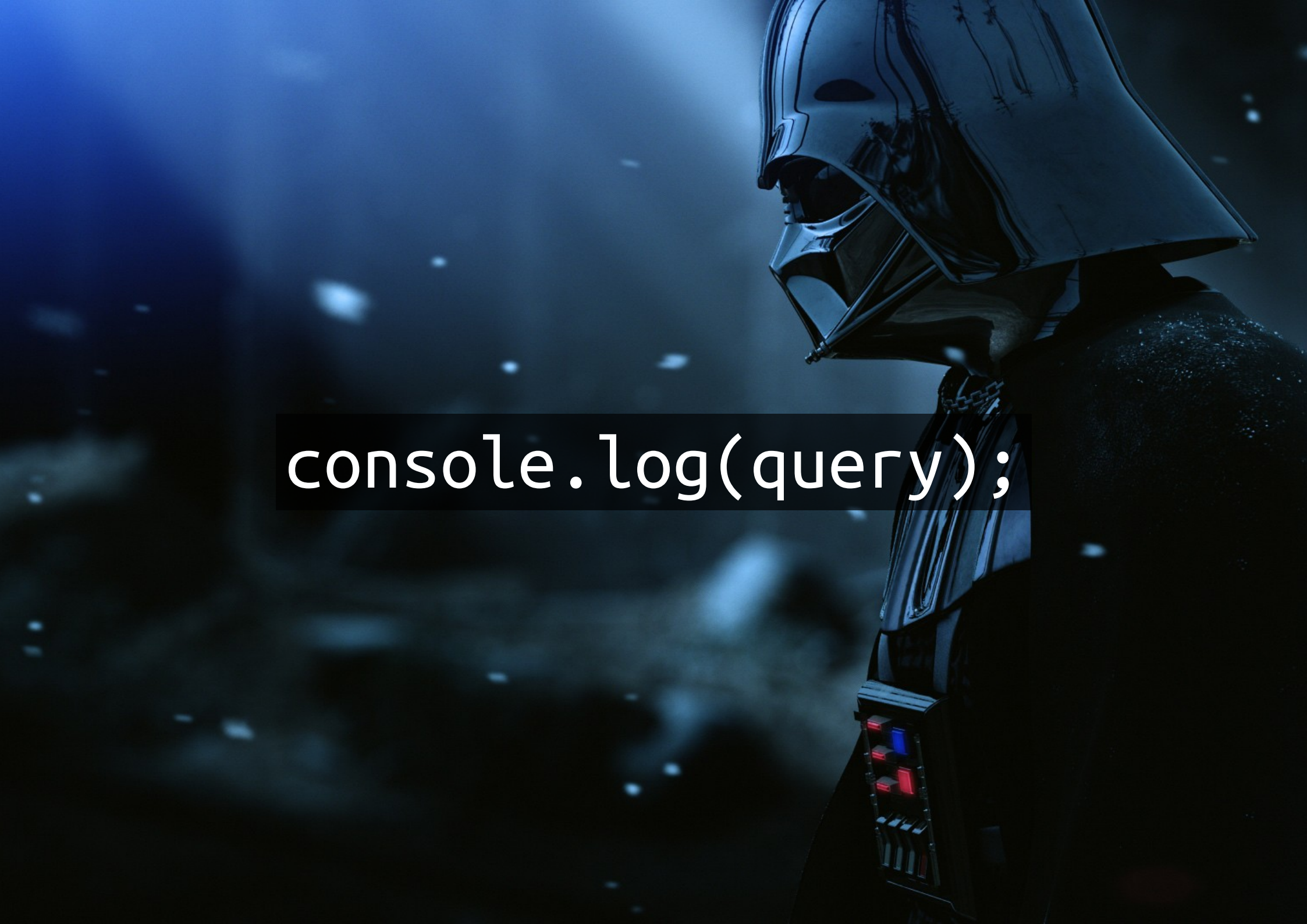
Ale jak je uzupełnić
w zapytaniu?

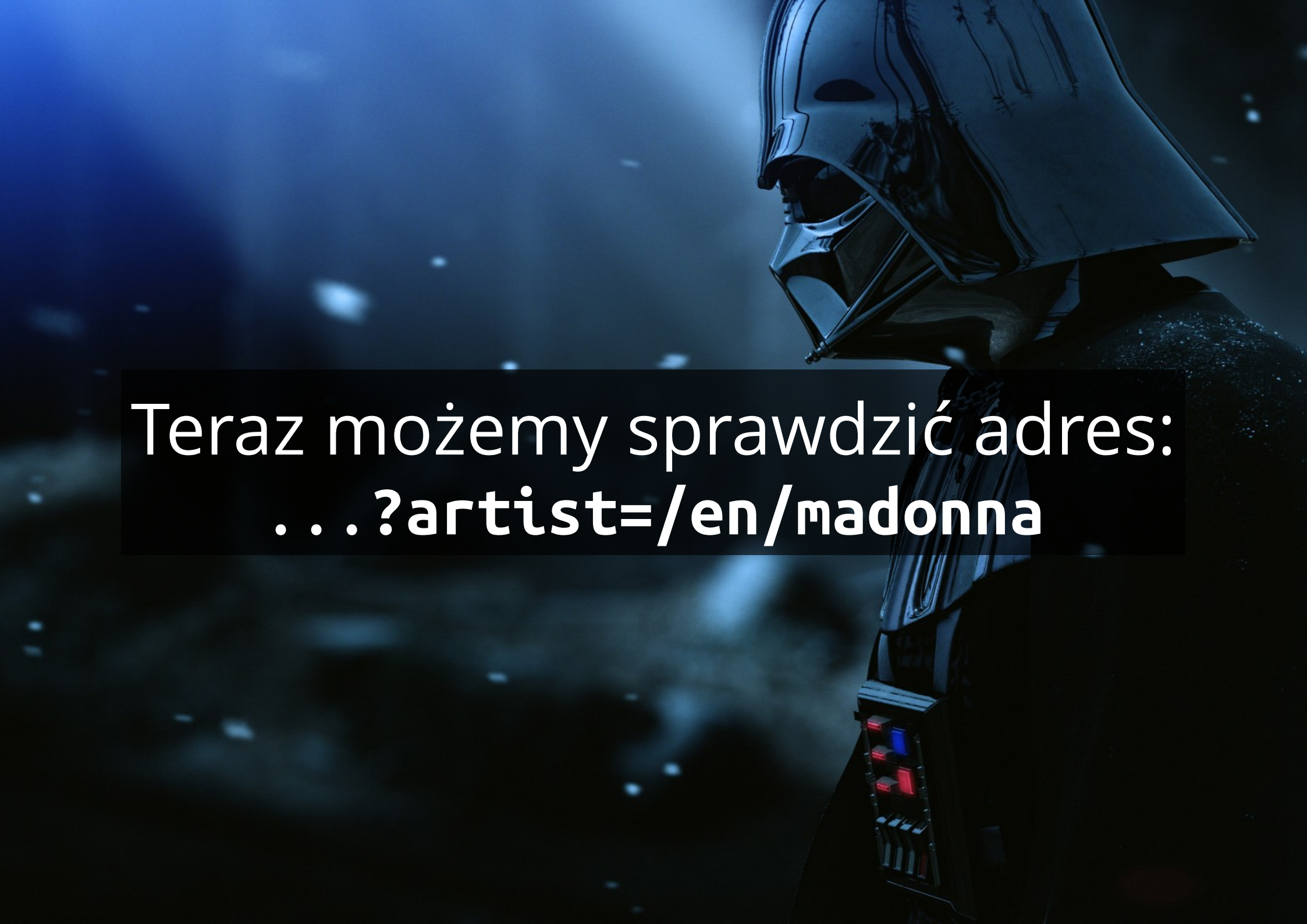
Zapytania można
łatać



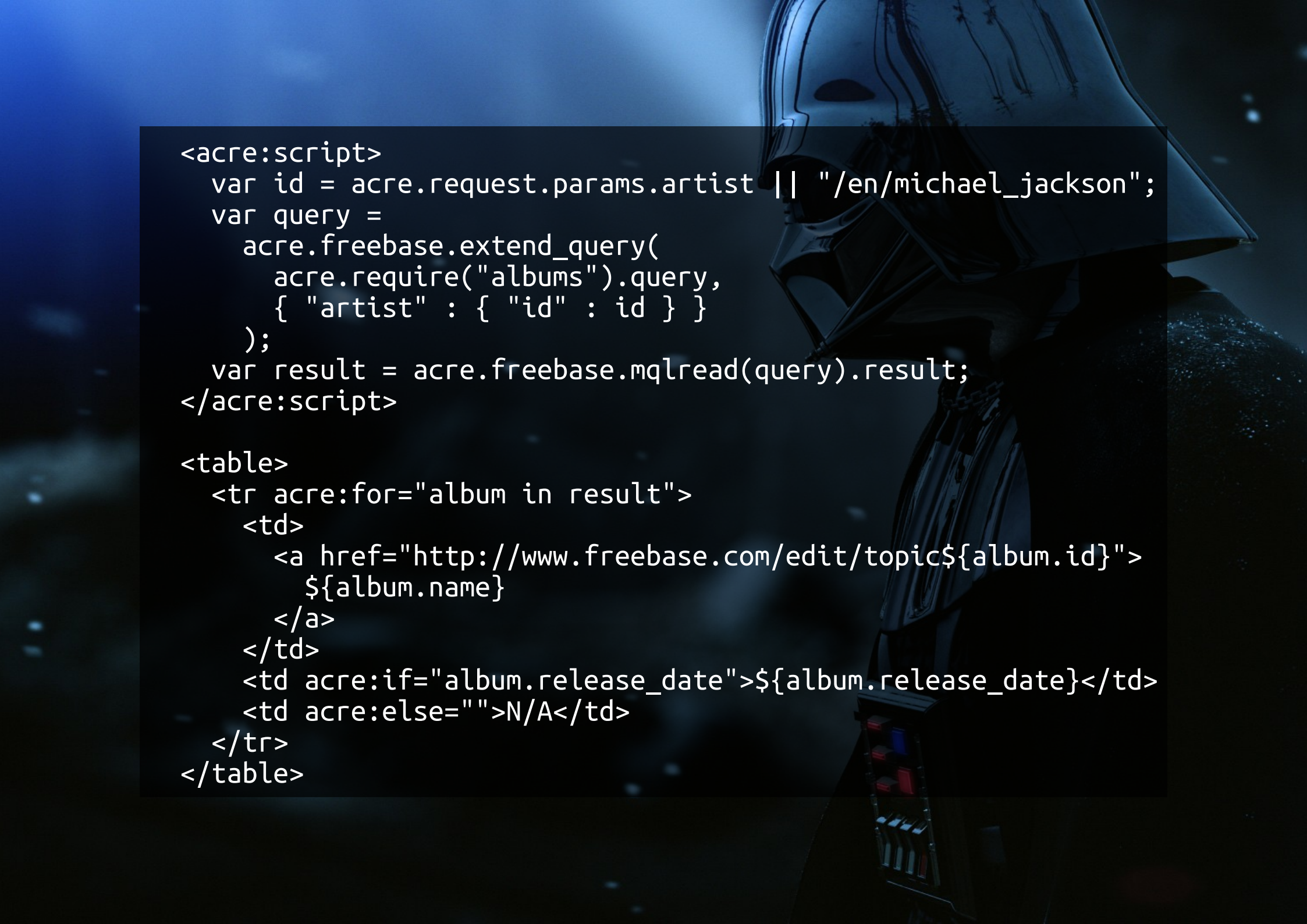
```
var query =
  acre.freebase.extend_query(
    acre.require("albums").query,
    { "artist" : { "id" : id } }
  );
```

W razie czego
pomoże nam konsola.


console.log(query);


Teraz możemy sprawdzić adres:
...?artist=/en/madonna

Jeśli się zgubiłeś...



```
<acre:script>
  var id = acre.request.params.artist || "/en/michael_jackson";
  var query =
    acre.freebase.extend_query(
      acre.require("albums").query,
      { "artist" : { "id" : id } }
    );
  var result = acre.freebase.mqlread(query).result;
</acre:script>

<table>
  <tr acre:for="album in result">
    <td>
      <a href="http://www.freebase.com/edit/topic${album.id}">
        ${album.name}
      </a>
    </td>
    <td acre:if="album.release_date">${album.release_date}</td>
    <td acre:else="">N/A</td>
  </tr>
</table>
```