

DATAFICATION

```
var url = "https://www.googleapis.com/customsearch/v1?";
```

```
var apikey = "INPUT YOUR OWN KEY"; //register API key here: https://  
developers.google.com/custom-search/json-api/v1/overview
```

```
var engineID = "INPUT YOUR OWN"; //https://cse.google.com/all | create search engine,  
then get the searchengine ID – make sure image is on
```

Prerequisites

Search engine ID

By calling the API user issues requests against an existing instance of a Custom Search Engine. Therefore, before using the API, you need to create one in the [Control Panel](#). Follow the [tutorial](#) to learn more about different configuration options. You can find the engine's ID in the **Setup > Basics > Details** section of the Control Panel.

API key

JSON/Atom Custom Search API requires the use of an API key.

[GET A KEY](#)

Pricing

JSON/Atom Custom Search API provides 100 search queries per day for free. If you need more, you may sign up for [billing](#) in the API Console. Additional requests cost \$5 per 1000 queries, up to 10k queries per day.

Except as otherwise noted, the content of this page is licensed under the [Creative Commons Attribution 3.0 License](#), and code samples are licensed under the [Apache 2.0 License](#). For details, see our [Site Policies](#). Java is a registered trademark of Oracle and/or its affiliates.

Sidst opdateret marts 15, 2018.



Search in CSE home



Tilpasset søgning

Ny søgemaskine

▼ **Rediger søgemaskine**

Alle



► Hjælp

Besøg hjælpeforum
(stil et spørgsmål)

Send feedback

Rediger søgemaskiner

Add

Delete



Søgemaskiner

Udgave

Er ejer?

Offentlig

webadresse



Floating

Gratis

Ja

GA

Grundlæggende oplysninger

Annoncer

Administrator

Avanceret

Angiver grundlæggende oplysninger og præferencer for din søgemaskine. [Få flere oplysninger](#)

Søgemaskinens navn

Floating

Beskrivelse af søgemaskine

Beskrivelse af søgemaskinen.

Søgeord til søgemaskine ?

Søgemaskinesøgeord, f.eks. klima "global opvarmning" drivhusgasser"

Udgave

Gratis, med annoncer.

Oplysninger

Søgemaskine-id

Offentlig webadresse

Hent kode

Billedsøgning ?

TIL

Sprog

engelsk

[Avanceret](#)

Websteder, der skal søges på

Søg på hele internettet, men læg vægt på inkluderede websteder. ⬆

Tilføj

Slet

Filter

Etiket ▼

1-2 af 2

<

>

Udgave

Gratis, med annoncer.

Oplysninger

Søgemaskine-id

Offentlig webadresse

Hent kode

Billedsøg

TIL

Sprog

engelsk

Dit søgemaskine-id:

010354857641149069912:naufbxqlq0e

[Avanceret](#)

Websteder, der skal
søges på

Søg på hele internettet, men læg vægt på inkluderede websteder. ⬆

```
var url = "https://www.googleapis.com/customsearch/v1?";
```

```
var apikey = "AIzaSyB8WG453Rh10YIB0sc2arWuhIvLprXu3FE"; //register API key here:  
https://developers.google.com/custom-search/json-api/v1/overview
```

```
var engineID = "010354857641149069912:naufbxqlq0e"; //https://cse.google.com/all |  
create search engine, then get the searchengine ID – make sure image is on
```

Hvis I bruger Chrome: Allow-Control-Allow-Origin:*

**SÅ HVORDAN FUNGERER
KODEN EGENTLIG???**

`loadJSON(request, gotData);`

Stien til den data
du vil indlæse / URL'en

Callback funktionen

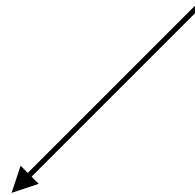
`request = url + "key=" + apikey + "&cx=" + engineID + "&imgSize=" + imgSize + "&q=" + query;`

`function gotData(data)`

```
function gotData(data) {
```

```
}
```

parameter



```
function gotData(data) {
```

```
}
```

```
loadJSON(request, gotData);
```

Vi starter processen med at
indlæse data

```
function gotData(data) {  
}
```

Når den er indlæst, udføres
denne funktion og udfylder
variablen med data

**MEN HVORDAN VED DEN, HVOR
DEN SKAL FINDE BILLEDET?!**

```
request = url + "key=" + apikey + "&cx=" + engineID +  
"&imgSize=" + imgSize + "&q=" + query;
```



```
function gotData(data) {
```

```
    getImg = data.items[0].pagemap.cse_thumbnail[0].src;
```

```
    console.log(getImg);
```

```
}
```

request =		request =
url	→	https://www.googleapis.com/customsearch/v1?
"key="		"key="
+ apikey	→	+ AIzaSyB8WG453Rh10YIB0sc2arWuhIvLprXu3FE
+ "&cx="		+ "&cx="
engineID	→	+ 010354857641149069912:naufbxqlq0e
+ "&imgSize="		+ "&imgSize="
+ imgSize	→	+ small
+ "&q="		+ "&q="
+ query;	→	+ warhol+flowers;

[https://www.googleapis.com/customsearch/v1?
key=AIzaSyB8WG453Rh10YIB0sc2arWuhIvLprXu3FE&cx=010354857
641149069912:naufbxqlq0e&imgSize=small&q=warhol+flowers](https://www.googleapis.com/customsearch/v1?key=AIzaSyB8WG453Rh10YIB0sc2arWuhIvLprXu3FE&cx=010354857641149069912:naufbxqlq0e&imgSize=small&q=warhol+flowers)

```
function gotData(data) {
```

```
    getImg = data.items[0].pagemap.cse_thumbnail[0].src;
```

```
    console.log(getImg);
```

```
}
```

`data.items[0].pagemap.cse_thumbnail[0].src;`

```
▼ "items": [  
  ▼ {  
    "kind": "customsearch#result",  
    "title": "The Story Behind Andy Warhol's Flowers - Garden Collage Magazine",  
    "htmlTitle": "The Story Behind Andy <b>Warhol's Flowers</b> - Garden Collage Magazine",  
    "link": "https://gardencollage.com/inspire/art-design/andy-warhol/",  
    "displayLink": "gardencollage.com",  
    "snippet": "Mar 22, 2016 ... A leader of the Pop Art movement, Andy Warhol is today remembered most  
    \nprominently for his pioneering silkscreen prints, including his Campbell's Soup \nCans and Gold Marilyn  
    Monroe, which came to define the accessible art \nmovement in the Sixties. Warhol's 1964 series Flowers,  
    however, is a ...",  
    "htmlSnippet": "Mar 22, 2016 <b>...</b> A leader of the Pop Art movement, Andy <b>Warhol</b> is today  
    remembered most <br>\nprominently for his pioneering silkscreen prints, including his Campbell's Soup  
    <br>\nCans and Gold Marilyn Monroe, which came to define the accessible art <br>\nmovement in the Sixties.  
    <b>Warhol's</b> 1964 series <b>Flowers</b>, however, is a&nbsp;...",  
    "cacheId": "eFoqGg66-BsJ",  
    "formattedUrl": "https://gardencollage.com/inspire/art-design/andy-warhol/",  
    "htmlFormattedUrl": "https://gardencollage.com/inspire/art-design/andy-<b>warhol</b>/",  
    "pagemap": {  
      ▼ "cse_thumbnail": [  
        ▼ {  
          "width": "275",  
          "height": "183",  
          "src": "https://encrypted-tbn1.gstatic.com/images?q=tbn:ANd9CcQu0sZ8gXb-z0Ttun_hxI-DrOfZPCncxZ-  
          WNpNxwt9l4-yQrjgELl7L05fC"  
        }  
      ]  
    }  
  }  
]
```

MINI_EX

- Design a program that utilizes at least one web API (think about what you want to say conceptually)
 - Source for a Web API
 - Understand what are the available data: the data file format and API specification
 - Decide which data fields you want to choose to explore
 - Utilize the web API and the corresponding data in your suggested program
 - Please reserve more time if you are getting data from other unfamiliar platforms, as the registration process can take a long time to do so.

{ P A U S E }

C O D I N G .

T I M E .