

A photograph of three people in an office environment. A man with curly hair in a grey sweater is leaning over a laptop, smiling broadly. A woman with blonde hair in a purple sweater is looking at the laptop and smiling. Another woman with glasses and a white blazer is also looking at the laptop and smiling. They are standing around a white desk. In the background, there is a white shelving unit with books and a framed picture. A large green plant is in the foreground.

Drupal and OpenAI _Frederik Wouters

Did you already notice this?

Credits

Chat GPT generated the Drupal 9 version of this module.


A port to Drupal 8 was submitted by [Chi](#).

The Drupal 7 module was sponsored by [Whisky Echo Bravo](#).

Supporting organizations:

[Whisky Echo Bravo](#) Development of D6/D7 version

https://www.drupal.org/project/empty_front_page

A photograph showing a group of people in a public space, likely a transit station or airport. In the foreground, a man in a tan shirt is looking at his phone. Behind him, a man in a blue checkered shirt is also looking at his phone. To the right, a woman with curly hair is looking at her phone. The background is blurred, showing other people and structural elements of the building.

By 2020 the average person will have more conversations with their bot than with their spouse.

Microsoft®
Research

from 0 to 100 in drupificial intelligence



Not pizza



✓ Pizza

Some ideas

Automatic img/txt tags

Summary ([Hide summary](#))

AUTOMATIC SUMMARY?

Leave blank to use trimmed value of full text as the summary.

Body

B *I* |   |   |   | Format ▾ |  Source

TEST

Text format Basic HTML ▾

[About text formats](#) 

tags

OR AUTO|TAGS?

OCR on text uploads

ocr_file

 no file selected

One file only.

2 MB limit.

Allowed types: txt doc docx pdf.



Content generation (neural network)

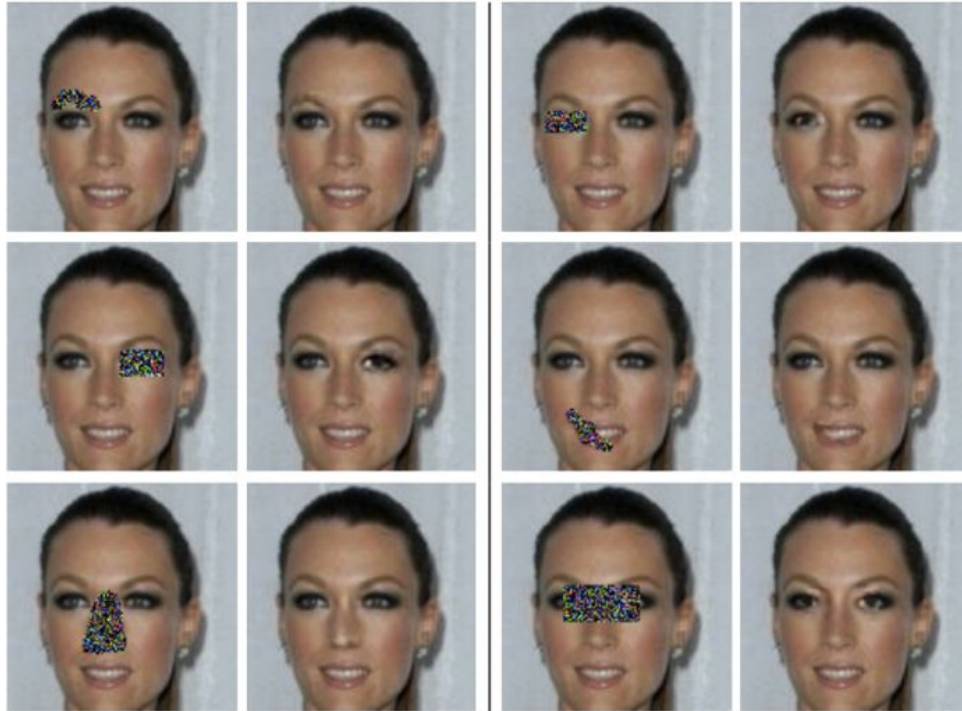


the sun rays struck my face
warm tingles to my fingertips
the light showed me a path
i should walk down
i spoke and the whispers of the breeze
told me to close my eyes
i lost my way in a paradise

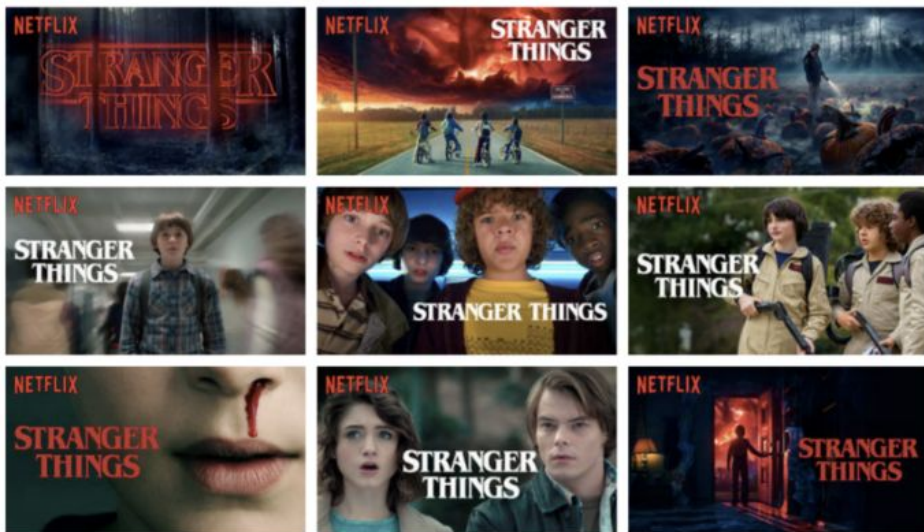


i have been a great city
spinning and shout
the sound of the road
washed away
the mountain passes through
the streets are gone
the silence is raining
it sits still in silence
glint its own

Media improvement (generative adversarial network)



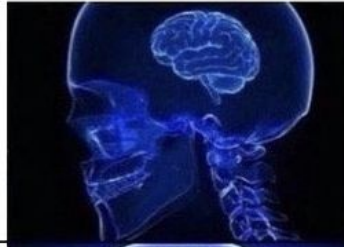
Content personalisation (a la netflix)



Suggested content

- [Drupal con London](#)
- [London technology meetup](#)
- [Caching with Boost](#)
- [Creative technology](#)
- [HTML5 video](#)
- [London offices](#)
- [IT sector growth in the UK](#)
- [Best movies 2013](#)
- [Interview with Chuck Norris](#)
- [Review: Independence Day](#)

HTML



**CMS ON
STRUCTURED DATA**

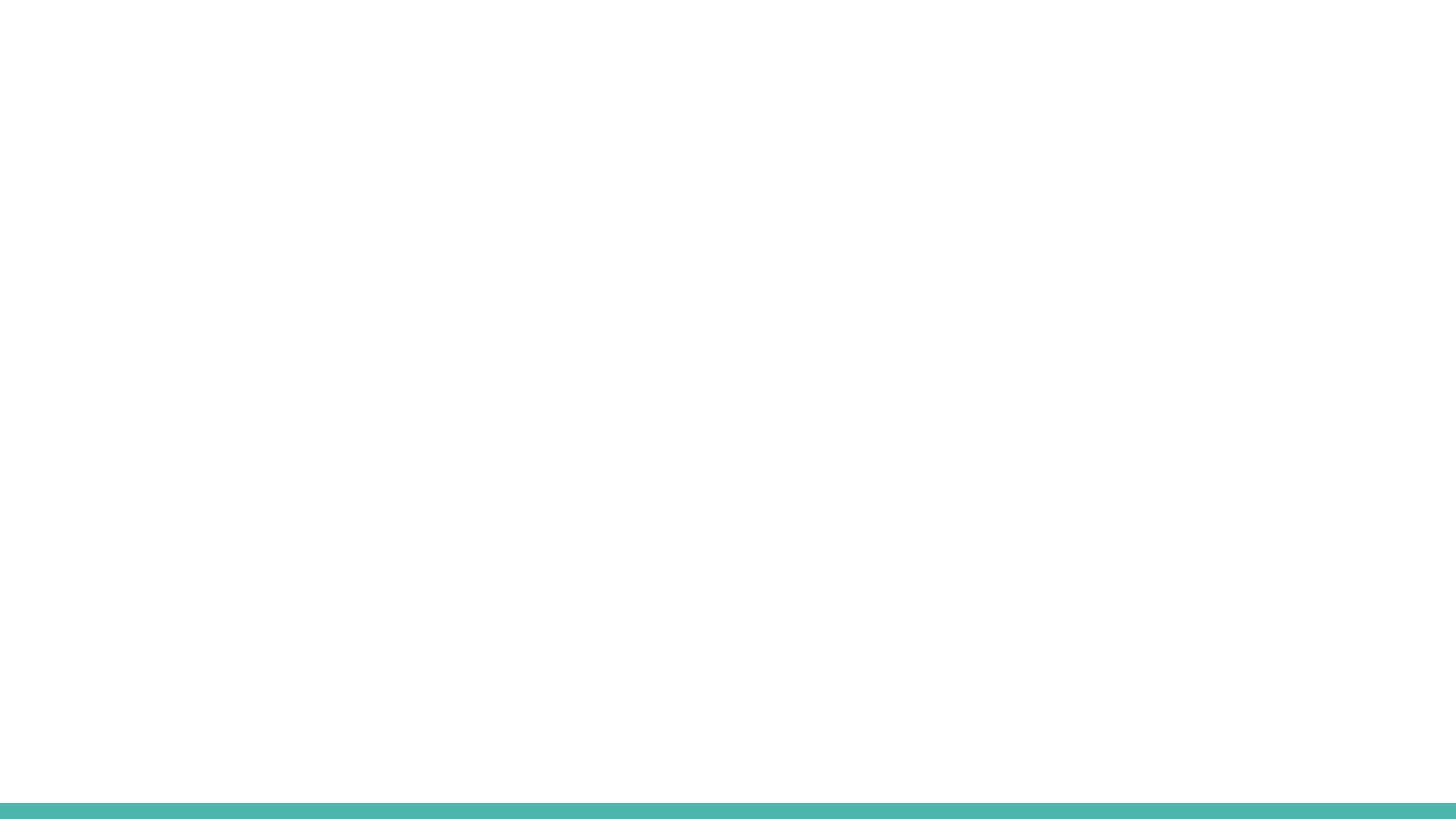


**DYNAMIC
CONTENT-TYPES
AND FIELDS**



**AI
FILLING DRUPAL
CONTENT**





Agenda

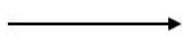
- What is AI
- Old Drupal AI implementations
- What is **OpenAI**
- What is **GPT**
 - Concepts
 - Endpoint
- **Drupal Modules**
 - /openai
 - /openai_ckeditor
 - /openai_content
 - /chatgpt_plugin
 - /openai_images
 - /ai_image
 - /search_api_ai
 - /views_chatgpt

How does AI work?

Input

Unclassified Input

"This presenter
is really cool"



Model



Output

Prediction

Positive: 90%
Negative: 0%

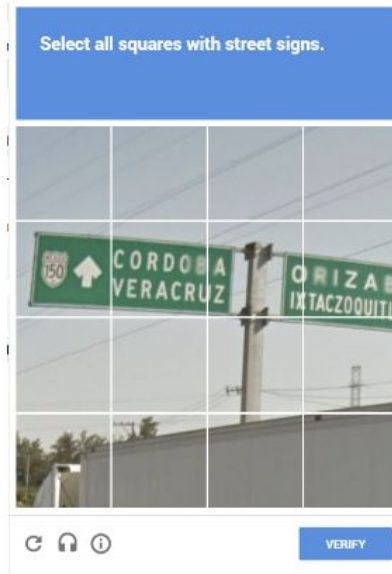
Input

Output

Unclassified Input → Model → Prediction



image_terms: living room
interior design
room
ceiling
real estate
floor
flooring
lobby
hardwood

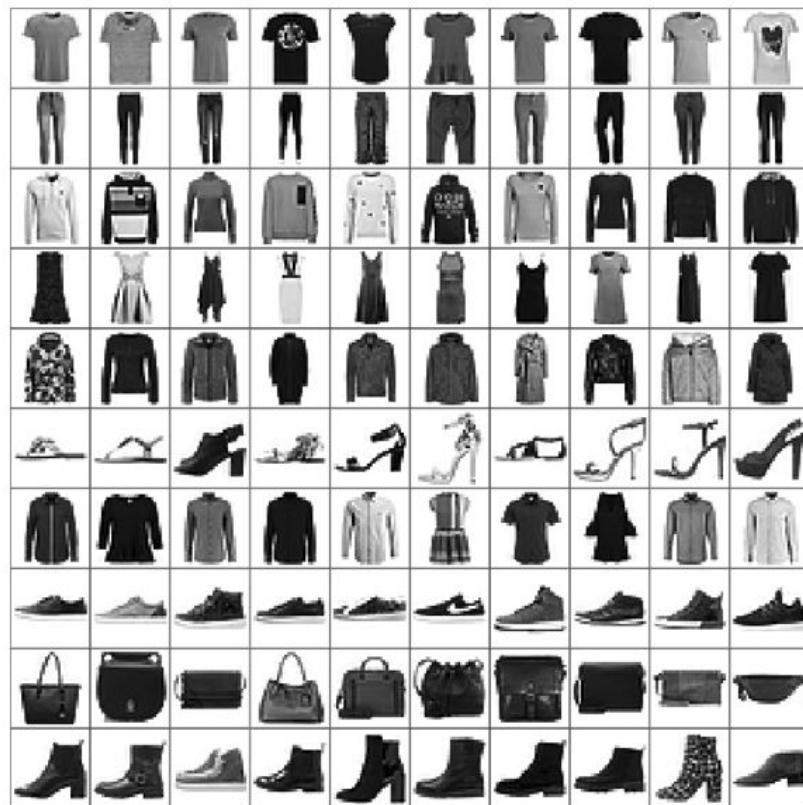


Google has lots of helping hands inputting data

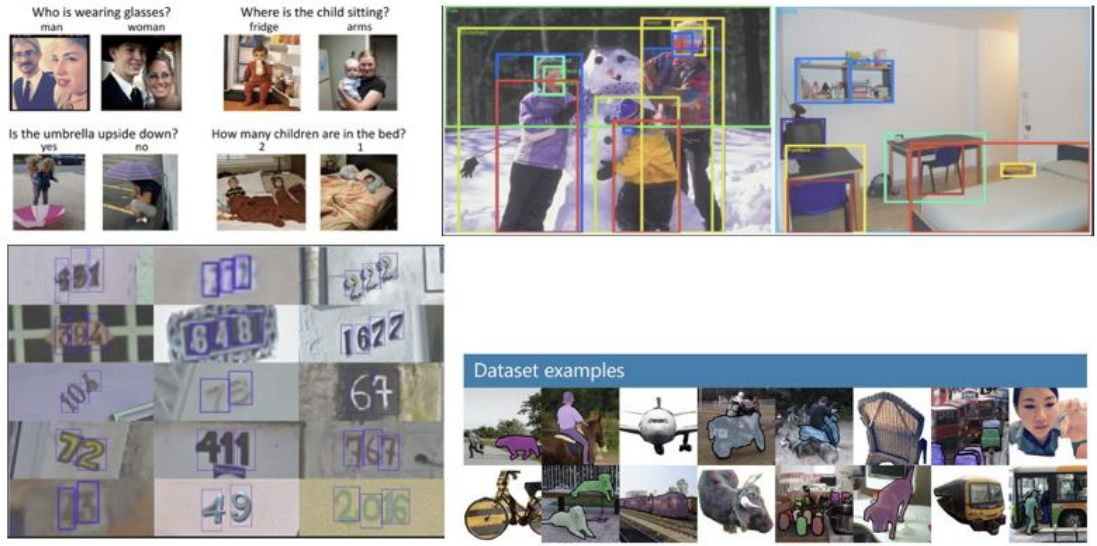
MNIST



Zalando Fashion MNIST



<https://github.com/zalandoresearch/fashion-mnist>



<https://www.analyticsvidhya.com/blog/2018/03/comprehensive-collection-deep-learning-datasets/>

Semantic Segmentation



GRASS, CAT,
TREE, SKY

No objects, just pixels

Classification + Localization



CAT

Single Object

Object Detection



DOG, DOG, CAT

Multiple Object

Instance Segmentation



DOG, DOG, CAT

This image is CC0 public domain


How (


<https://pythonprogramming.net/machine-learning-tutorial-python-introduction/>

The ABC of machine learning (128 courses)



Some old Drupal examples



 Please upload a photo where you are smiling and happy

▼ **FACE_IMAGE**

[Show row weights](#)

FILE INFORMATION



 ai-face-test-1.jpg (6.14 KB)

▼ **MEDIA**

[Show all columns](#)



File entity



Google Vision

Label: face_image

Help text

Instructions to present to the user below
Allowed HTML tags: <a> <big> <small>
 <sub> <sup> <tt>
This field supports tokens.

Browse available tokens.

Required field

Enable Safe Search

Detects and avoids explicit contents.

Enable Emotion Detection

Detects and notifies if the image looks

✖ This image contains explicit content and will not be saved.

▼ FACE_IMAGE

FILE INFORMATION

OPERATIONS



Choose Files no files selected

 ski_porn_ai_test.jpg
(117.89 KB)

Remove selected

Enable Safe Search (avoid explicit content)

Download & Extend

Drupal Core Distributions Modules Themes General projects

TensorFlow.js

View Version control Automated testing

This project is not covered by Drupal's [security advisory policy](#).

Adds Drupal support for machine learning using [TensorFlow.js](#), which is a JavaScript implementation of [TensorFlow](#), using the [Component](#) module. The Component module allows you to create individual components of code (similar to Plugin Blocks) that can be added as a block and provide configuration fields within the block configuration. Several example components are provided demonstrating various uses for using machine learning within Drupal.

The screenshot displays the Drupal ML interface. On the left, there is a section titled "MNIST Handwriting Classifier" with a "Ezrender.go" label. It features a large black square containing a white handwritten digit '2'. Below the square are "Classify" and "Clear" buttons. To the right, there are two "Model Training" graphs. The top graph shows "loss" on the y-axis (0.0 to 2.0) and "Batch" on the x-axis (0 to 500). The bottom graph shows "loss" on the y-axis (0.0 to 2.0) and "Epoch" on the x-axis (0 to 50). Both graphs show a blue line representing the loss, which decreases rapidly and then levels off. A legend in the bottom graph indicates "loss" and "acc_100".

Configuration	Value	Batch	Value	Boolean
max_pooling2d_MaxPooling2D	[batch, 3, 3, 16]	0	true	
flatten_Flatten1	[batch, 400]	0	true	
dense_Dense1	[batch, 128]	51,328	true	
dense_Dense2	[batch, 10]	1,290	true	

Introduction to OpenAI

- OpenAI is a research laboratory that develops a safe artificial general intelligence (AGI) for the benefit of humanity.
- Founded in 2015
- Generative AI
 - Generate text
 - Generate Images

OpenAI - Models

Dall-E: A model that can generate and edit images

Whispers: A model that can convert audio into text

Embedding: A set of models that can convert text into a numerical form

Moderation: A model that can detect if a text may be sensitive or unsafe

GPT: A set of models that can understand and generate natural language

What is ChatGPT

ChatGPT is a language model developed by OpenAI.

GPT stands for "Generative Pre-trained Transformer"

It is designed for generating human-like text in conversational settings

How to Interact with GPT

OpenAI Chat Application: <https://chat.openai.com/>

OpenAI API: <https://platform.openai.com/docs/api-reference>

OpenAI API Key Concepts

Prompts: are essentially how you “program” the model, usually by providing some instructions or a few examples.

Token: are units of text that the language model reads and processes.

Models: models are advanced artificial intelligence systems.

Tokens

Tokens	Characters
375	1026

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Donec quam felis, ultricies nec, pellentesque eu, pretium quis, sem. Nulla consequat massa quis enim. Donec pede justo, fringilla vel, aliquet nec, vulputate eget, arcu. In enim justo, rhoncus ut, imperdiet a, venenatis vitae, justo. Nullam dictum felis eu pede mollis pretium. Integer tincidunt. Cras dapibus. Vivamus elementum semper nisi. Aenean vulputate eleifend tellus. Aenean leo ligula, porttitor eu, consequat vitae, eleifend ac, enim. Aliquam lorem ante, dapibus in, viverra quis, feugiat a, tellus. Phasellus viverra nulla ut metus varius laoreet. Quisque rutrum. Aenean imperdiet. Etiam ultricies nisi vel augue. Curabitur ullamcorper ultricies nisi. Nam eget dui. Etiam rhoncus. Maecenas tempus, tellus eget condimentum rhoncus, sem quam semper libero, sit amet adipiscing sem neque sed ipsum. Nam quam nunc, blandit ve

TEXT TOKEN IDS

Prompts + prompt engineering / prompt chaining



In the context of GPT (Generative Pre-trained Transformer), a prompt refers to the initial input or instruction provided to the language model before it generates a response or output. It acts as a starting point for the model to understand the context and constraints of the desired task. By crafting a clear and specific prompt, developers can guide the model's generation and ensure more accurate and relevant responses in various natural language processing applications.

User message

[user-prompt]

Provide your answer only from the provided context. Do not remind me what I asked you for. Do not apologize. Do not self-reference.

Example prompt chain

No.	Steps	Description	Prompt	Response
0	User Prompt (UP)	User describes the prompt they would like	User Prompt [UP]: I need a report to show me the title of each article and basic page	
1	Content Types	Chatgpt looks at the UP and looks at the list of Drupal Content type and selects the relevant ones	Here is a list of content types set up in Drupal 10 with their machine name and label. [Drupal Content types] Can you tell me what content type the following text relates to?	List of Content types
2	Fields	Drupal gets the list of fields from those content types. Drupal asks ChatGPT to look at UP and select which fields are likely to be relevant	A user has made a request for building Drupal View with this prompt [UP] . Please select from the below list of fields which fields will be relevant for creating the above Drupal View. [Drupal fields]	Fields
3	Final Prompt	Drupal asks Chatgpt UP but provides the list of relevant fields and asks for YAML	Please create the Drupal View by providing the YAML to be imported described by this user prompt [UP] . Please use the fields provided [ChatGPT fields]	YAML for a view

OpenAI API Prerequisites

- OpenAI Account
- API Key
- Payment method

Generate an OpenAI key

URL: <https://platform.openai.com/account/api-keys>

Create a New key clicking on the Create new secret key button

Drupaljam

sk-...1tjg

15 May 2023

1 Jun 2023



+ Create new secret key

Generate an OpenAI key - Name

Create new secret key

Name Optional

Cancel

Create secret key

OpenAI Key - Generated

Create new secret key

Please save this secret key somewhere safe and accessible. For security reasons, **you won't be able to view it again** through your OpenAI account. If you lose this secret key, you'll need to generate a new one.

```
sk-2JyYpdsA7cBCP4V6NcZET3BIbkFJR39aAWXLL3CREGtML
```



Done

Open AI - Organisation ID

Under organisation page: <https://platform.openai.com/account/org-settings>

Organization settings

Organization name

Human-friendly label for your organization, shown in user interfaces

Organization ID

Identifier for this organization sometimes used in API requests

Completion Endpoint

Method: POST

URL: <https://api.openai.com/v1/completions>

Completion Request body

model: ID of the model to use.

prompt: The prompt(s) to generate completions for.

max_token: The maximum number of tokens to generate in the completion.

temperature: What sampling temperature to use, between 0 and 2.

Example Call

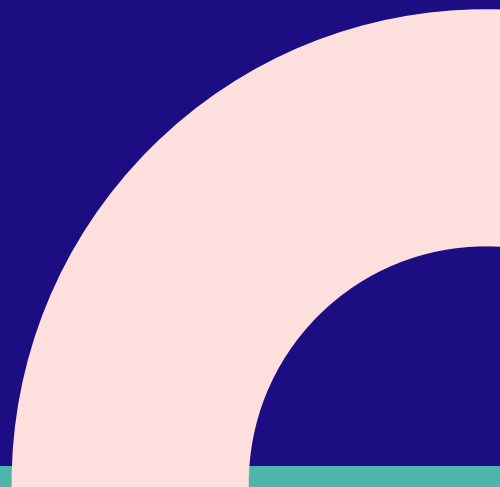
```
curl https://api.openai.com/v1/completions \  
  -H "Content-Type: application/json" \  
  -H "Authorization: Bearer $OPENAI_API_KEY" \  
  -d '{  
    "model": "text-davinci-003",  
    "prompt": "Say this is a test",  
    "max_tokens": 7,  
    "temperature": 0  
  }'
```

Example Response

```
{
  "id": "cml-1uqkv1QyYK7bGYrRHQ0eX1Wi7",
  "object": "text_completion",
  "created": 1589478378,
  "model": "text-davinci-003",
  "choices": [
    {
      "text": "\n\nThis is indeed a test",
      "index": 0,
      "logprobs": null,
      "finish_reason": "length"
    }
  ],
  "usage": {
    "prompt_tokens": 5,
    "completion_tokens": 7,
    "total_tokens": 12
  }
}
```



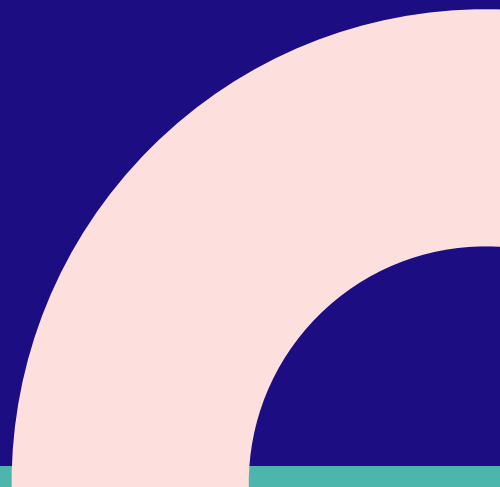
<Drupal GPT Modules>







drupal/auto_alter



alttext.ai - Installation

```
composer require 'drupal/auto_alter:^2.0'
```

Then run:

```
drush en auto_alter -y
```

- Alternate text is changed to: "**a rainbow in the sky**" by a confidence of **76.75%**
- Your post has been saved.



admin posted
5 minutes ago

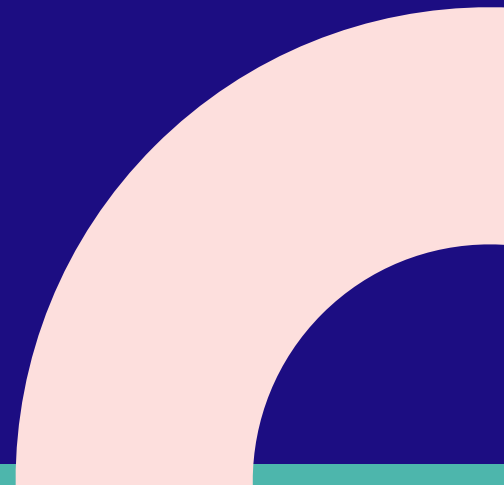


What does Cognitive Intelligence see on this picture?





drupal/openai



OpenAI - Installation

To install the OpenAI module to our Drupal 10 application, run the Composer command to add the OpenAI module to the codebase.

```
composer require 'drupal/openai:^1.0@alpha'
```

Then run:

```
drush en openai -y
```

Open AI - Configuration

Configuration -> OpenAI -> Settings (/admin/config/openai/settings)

- API Secret Key
- Organisation ID/Name

OpenAI

> **Settings**

Manage OpenAI settings, API keys, and organization ID.

> **Audio**

Contains a form where you can test the OpenAI API's audio (speech to text) endpoints.

> **ChatGPT explorer**

Contains a form where you can experiment and test the OpenAI ChatGPT endpoint.

> **Embeddings settings**

Manage text embedding analysis settings.

> **Log analyzer settings**

Manage OpenAI log analyzer settings.

> **Prompt explorer**

Contains a form where you can experiment and test the OpenAI text generator with prompts.

> **Content generation**

Demonstrates basic content generation.

OpenAI audio

Audio file path *

The absolute path to the audio file. Maximum file size 25 MB. Allowed file types: mp3, mp4, mpeg, mpga, m4a, wav, and webm.

Task

Transcribe 

The task to use to process the audio file. "Transcribe": transcribes the audio to the same language as the audio. "Translate": translates and transcribes the audio into English. See the [speech to text guide](#) for further details.

Response

The response from OpenAI will appear in the textarea above.

Submit

OpenAI ChatGPT Explorer

Ask ChatGPT *

Enter your text here. When submitted, OpenAI will generate a response from its Chats endpoint. Please note that each query counts against your API usage for OpenAI. Please allow the operation to finish. Be cautious not to exceed the requests per minute quota (20/Minute by default), or you may be temporarily blocked.

Response

The response from OpenAI will appear in the textbox above.

▼ Options

Submit

Enable analysis of these entities and their bundles

▼ Content block

▼ Content

▼ Taxonomy term

Select which bundles of these entity types to generate embeddings from. Note that more content that you analyze will use more of your API usage. Check your [OpenAI account](#) for usage and billing details.

Stopwords

a, about, actually, almost, also, although, always, am, an, and, any, are, as, at, be, became, become, but, by, can, could, did, do, does, each, either, else, for, from, had, has, have, hence, how, i, if, in, is, it, its, just, may, maybe, me, might, mine, mine, must, must, my, my, neither, nor, not, of, oh, ok, when, whenever, where, whereas, wherever, whether, which, while, who, whoever, whom, whose, why, will, with, within, without, would, yes, yet, you, your

Enter a comma delimited list of words to exclude from generating embedding values for.

Model to use

text-embedding-ada-002 ▼

Select which model to use to analyze text. See the [model overview](#) for details about each model.

Configure API clients for vector search database services

▼ Pinecone

Date	Tuesday, September 5, 2023 - 23:07
User	admin
Location	https://88-woutersf-docker4drupalm-w7kqrahnywx.ws-eu104.gitpod.io/node/2
Referrer	https://88-woutersf-docker4drupalm-w7kqrahnywx.ws-eu104.gitpod.io/node/add/article
Message	<i>Error: Class "Symfony\Component\DomCrawler\Crawler" not found in Drupal\ckeditor_openai\Plugin\FILTER\CkeditorOpenai->process() (line 75 of /var/www/html/web/modules/ckeditor_openai/src/Plugin/FILTER/CkeditorOpenai.php).</i>
Severity	Error
Hostname	192.168.74.10
Operations	
Explanation (powered by OpenAI)	<p>This error means that the Drupal site is missing the <code>Symfony\Component\DomCrawler\Crawler</code> class, which is required for the CkeditorOpenai plugin. To fix this issue, you need to install the Symfony DomCrawler component. You can do this by running the following command in your terminal:</p> <pre>composer require symfony/dom-crawler</pre>

Content Generation

Field group for subject #1

Subjects

Options

Media

Check this box to input subject manually in a text field.

Subject *

- African
- artsen
- crocodile
- Nile
- object
- predator
- redenen
- reptile

Add another field group

Generate

Extend OpenAI Module

The OpenAI modules uses the `openai-php/client` package, a community-maintained PHP API client that allows you to interact with the Open AI API. <https://packagist.org/packages/openai-php/client>

```
$client = OpenAI::client($yourApiKey);

$result = $client->completions()->create([
    'model' => 'text-davinci-003',
    'prompt' => 'PHP is',
]);

echo $result['choices'][0]['text']; // an open-source, widely-used,
server-side scripting language.
```

OpenAI Drupal module call example

Inside openai/modules/openai_ckeditor/src/Controller/Completion.php

```
$response = $this->client->completions()->create([
    'model' => $model,
    'prompt' => trim($prompt),
    'temperature' => (int) $temperature,
    'max_tokens' => (int) $max_tokens,
]);
$response = $response->toArray();
return $response["choices"][0]["text"];
```



LIVE

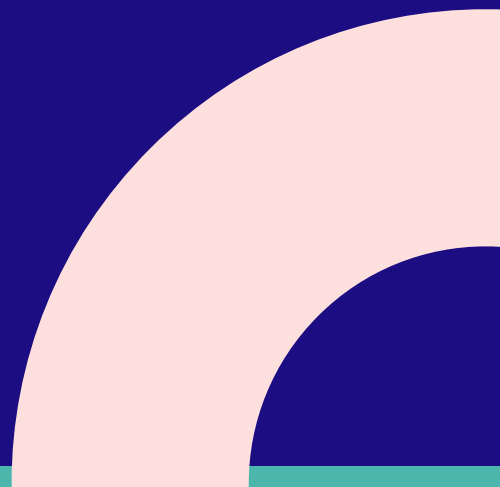
drop solid

EXPERIENCE
CLOUD

DEMO



drupal/openai_ckeditor



OpenAI - CKEditor submodule

This sub module provides a CKEditor button to generate, summarise, translate and change the tone of a text through a dialog.

To install the module run:

```
drush en openai_ckeditor -y
```

Add the CKEditor OpenAI button

In this session I will add the OpenAI button to the Basic HTML Text Format. Go to Configuration -> Content authoring -> Text formats and editors (/admin/config/content/formats/manage/basic_html).



Add the CKEditor OpenAI button configuration

Headings

Source editing

List

Image

Image resize

OpenAI tools

^ Text completion

The following setting controls the behavior of the text completion, translate, tone, and summary actions in CKEditor.

Enabled

Enable this editor feature.

Default model

text-davinci-003 ▾

Select which model to use to analyze text. See the [model overview](#) for details about each model.

Temperature

0.2

What sampling temperature to use, between 0 and 2. Higher values like 0.8 will make the output more random, while lower values like 0.2 will make it more focused and deterministic.

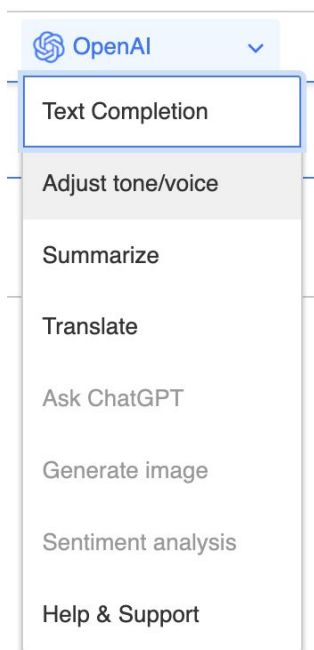
Max tokens

1000

The maximum number of tokens to generate in the completion. The token count of your prompt plus max_tokens cannot exceed the model's context length. Most models have a context length of 2048 tokens (except for the newest models, which support 4096).

Using the OpenAI CKEditor button











Now that we have the OpenAI button added to our text editor, we can explore the options available:



Text Completion



Choose one of the options, for example Text Completion for now to generate the content.

Body ([Edit summary](#))

B *I*      Paragraph    Source  OpenAI 

[About text formats](#)

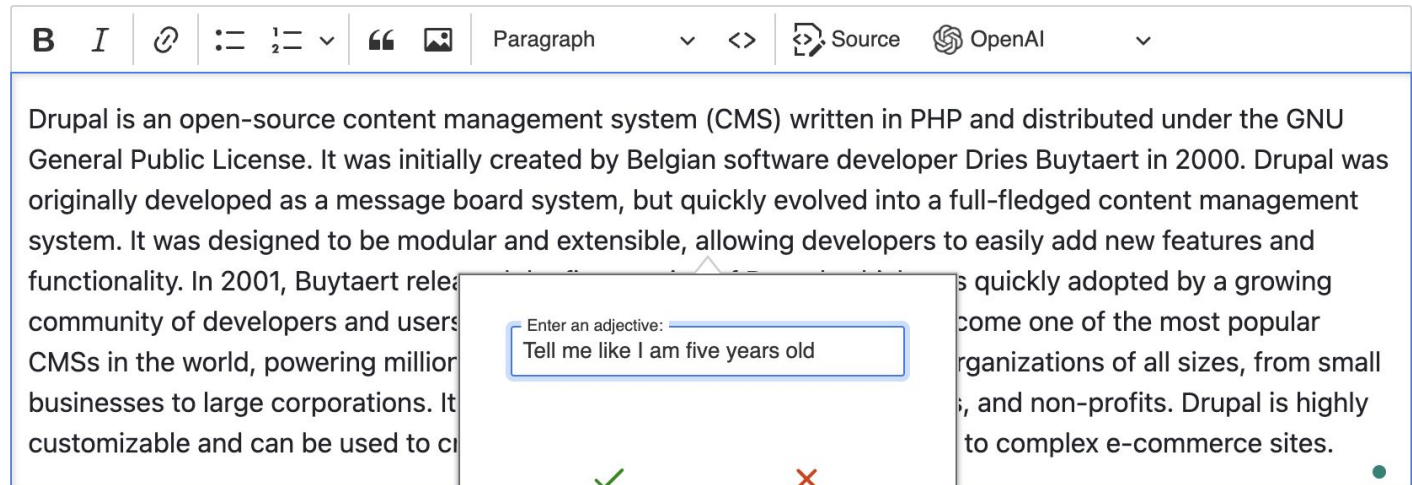
Insert text from this prompt:

Change the tone

With this option it is possible to change the tone of the text.

Body ([Edit summary](#))



The screenshot shows a text editor interface. At the top, there is a toolbar with various icons for bold, italic, link, list, quote, image, paragraph, source, and OpenAI. Below the toolbar is a text area containing a paragraph about Drupal. A dialog box is overlaid on the text area, prompting the user to "Enter an adjective:" and providing the example "Tell me like I am five years old". The dialog box has a green checkmark and a red X, indicating that the user can confirm or cancel the change.

Text format

[About text formats](#)

Summarise

It is possible to summarise a small part of the body field or the whole body field.

This option will not shot any prompt.

Translate

With this option it is possible to translate the text.

The screenshot displays a user interface for translating text. On the left, a sidebar contains a 'Body' section with a bold 'B' icon. Below it, a text area shows the original text: 'Drupal is an open source content management system (CMS) written in PHP and distributed under the GNU GPL license. It was developed as a message board by Dries Buytaert in 2000. Drupal was originally designed as a content management system, but quickly evolved into a full-fledged content management system.'

At the top of the main content area, there is a text input field labeled 'Translate to (enter language):' with 'Dutch' entered. Below this field, there are two icons: a green checkmark and a red 'X'. The main content area also features a toolbar with a dropdown menu, a '<>' icon, a 'Source' icon, and the 'OpenAI' logo. The translated text is visible below the toolbar, starting with 'h' and continuing with 'nt system (CMS) written in PHP and distributed under the GNU GPL license. It was developed as a message board by Dries Buytaert in 2000. Drupal was originally designed as a content management system, but quickly evolved into a full-fledged content management system.'

At the bottom right of the main content area, there are two circular icons: a green one with a white plus sign and a green one with a white circular arrow.



LIVE

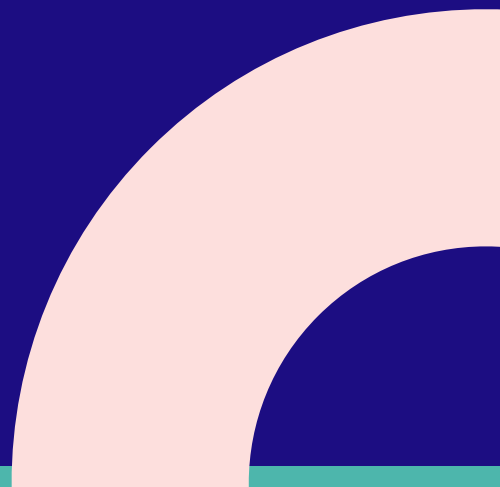
drop solid

EXPERIENCE
CLOUD

DEMO



drupal/openai_content



OpenAi Content Tools submodule

This sub module provides Changing tone, Summarise and Suggest taxonomy functionality.

To install the module run:

```
drush en openai_content -y
```

OpenAI Content tool features

This module functionalities will be displayed in the right hand side column of the content form.

▼ **Adjust content tone**

▼ **Summarize text**

▼ **Suggest taxonomy**

Suggest Taxonomy

^ **Suggest taxonomy**

Flexibility, Extensibility, Modular, Drupal,
CMS

Suggest taxonomy



LIVE

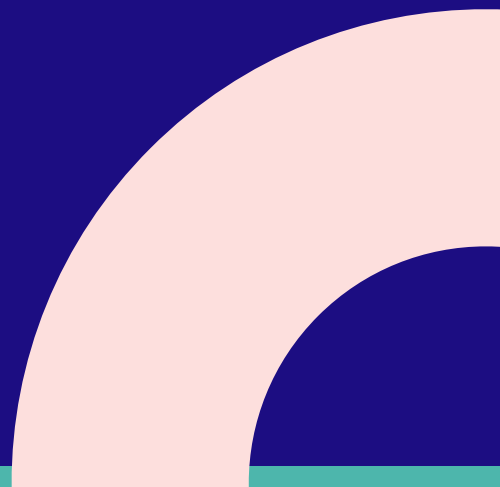
drop solid

EXPERIENCE
CLOUD

DEMO



drupal/chatgpt_plugin



ChatGPT Content Assistance module

Developer by Anup Sinha (anup.sinha).

This is a very lightweight and simple OpenAI/ChatGPT module which has 2 features along with the configuration to choose either of GPT-3, GPT-3.5 or GPT-4 as per your needs.

- Create Content
- Translate Content

ChatGPT Content Assistance - Installation

To install the ChatGPT Content Assistance module to our Drupal 10 application, run the Composer command to add the OpenAI module to the codebase.

```
composer require 'drupal/chatgpt_plugin:^2.1'
```

Then run:

```
drush en chatgpt_plugin -y
```

ChatGPT Content Assistance configuration

Configuration -> Development - OpenAI API Settings (/admin/config/chatgpt)

- Model
- Endpoint
- Dall-E Endpoint
- OpenAI API Access Token
- Max Tokens
- Temperature
- Content types

ChatGPT Content Assistance usage

From the Node Form, click on the ChatGPT Content Generator link

Title *

The history of Drupal

▼ Image

[ChatGPT Content Generator](#)



Body ([Edit summary](#))

B

I



Paragraph



Source



OpenAI



ChatGPT Content Assistance Prompt

Pass the prompt through the dialog and click generate

ChatGPT Content Generator ×

Generate content using ChatGPT

Tell me the history of Drupal|

Generate

ChatGPT Content Assistance usage - Insert result

When the text has been generated, you can click in the Use this content button to insert the text in the body.

ChatGPT Content Generator ×

flexibility and extensibility. It was designed to be modular, which means that developers could add or remove features as needed. This made it easy to customize Drupal to meet the specific needs of a website.

Over the years, Drupal has continued to evolve and improve. The latest version, Drupal 9, was released in 2020 and includes many new features and improvements. Today, Drupal is used by millions of websites around the world, including some of the largest and most complex sites on the internet.

Use this content

ChatGPT Content Assistance usage Translate

From the Translate Tab of a node click on the Translate using ChatGPT link

Dutch

n/a

Not translated

[Translate using ChatGPT](#)

Add

Extend ChatGPT Content Assistance

This module does not use any external package.

The calls are made from the service class GPTApiService. To make a request call the method `getGptResponse($prompt_text)`.

```
$response = $this->gptApi->getGptResponse($prompt_text);  
// $response contains text element.  
return $response;
```



LIVE

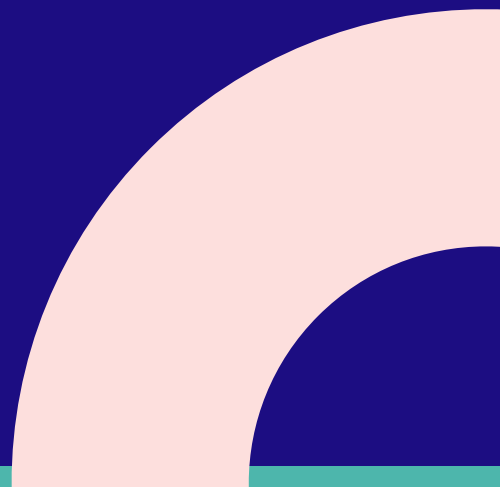
drop solid

EXPERIENCE
CLOUD

DEMO



drupal/openai_images



openai_images - generate images

- **OpenAI Integration:** The module seamlessly integrates with the OpenAI API, enabling accurate and context-aware image generation based on text descriptions.
- **Text-to-Image Transformation:** Generate high-quality images from textual descriptions, enabling visual representation of various concepts, products, or ideas.
- **Media Entity Support:** The generated images are saved as media entities, allowing for easy management within the Drupal media library.
- **Enhanced User Experience**

openAI images Generator ☆

Image Generator

Image Variation

Prompt *

generate me an image about a open source event.
There is a group of people in the picture. They are wearing lanyards with badges.
there are some trees in the background and the weather is very hot.

Write a descriptive text of the image you want and click on generate image to get the result.

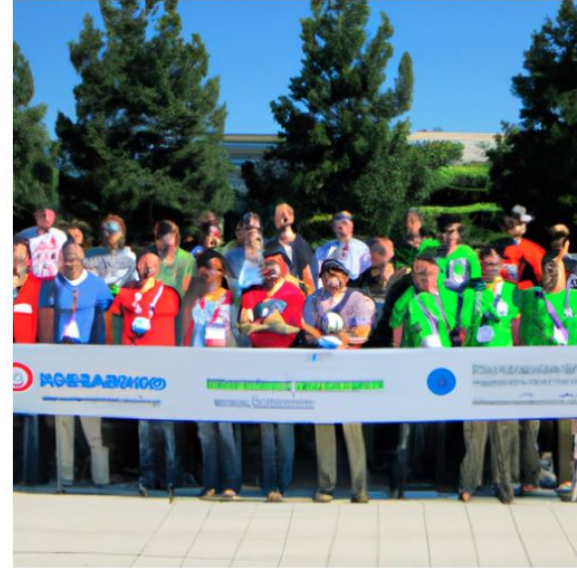
Size

512 x 512 ▾

Select one of the available image sizes generated by openAI.

Generate Image

Save Image

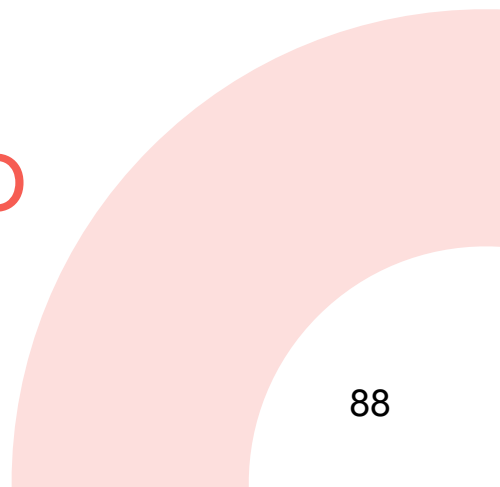




drop solid

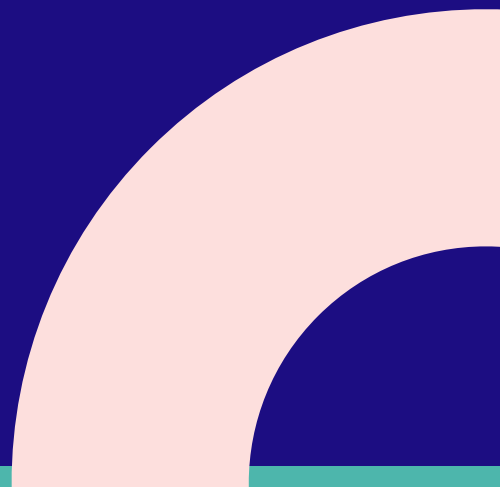
EXPERIENCE
CLOUD

DEMO

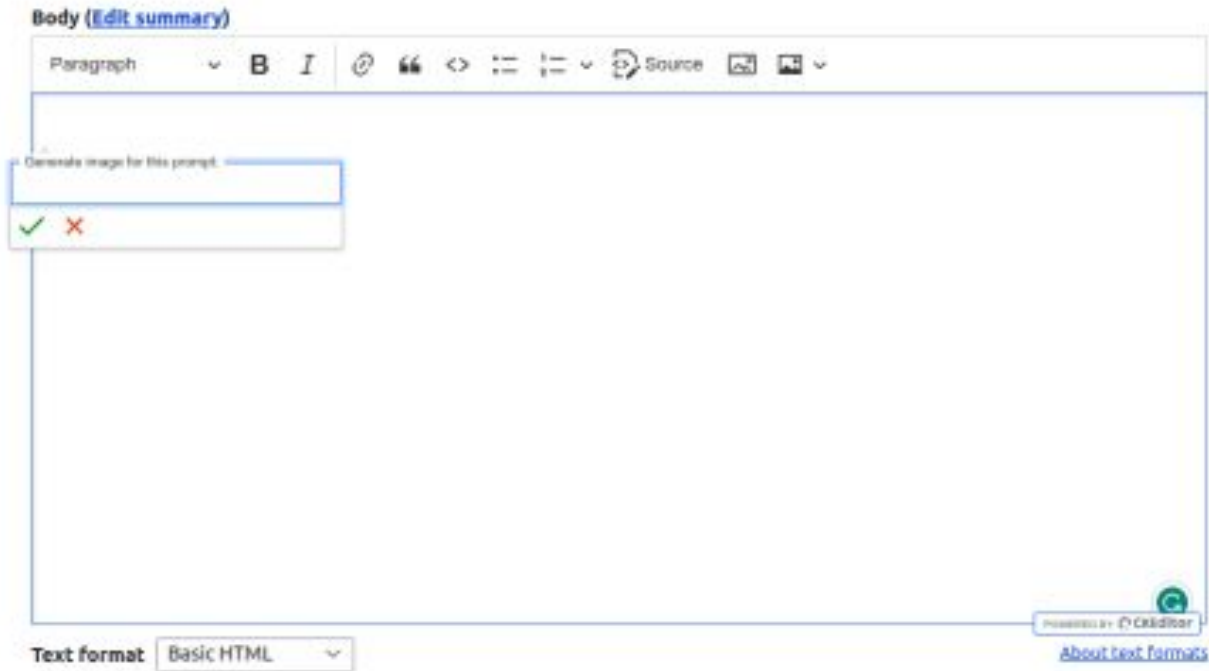




drupal/ai_image



Artificial Intelligence Images Generator



structures, such as the Hoostraten Castle, which provide a glimpse into its pas

Leave blank to use trimmed v

Generate image for this prompt:

Body



OpenAI

ading

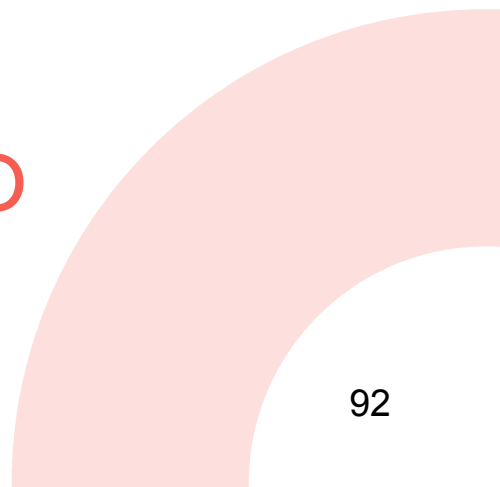




drop solid

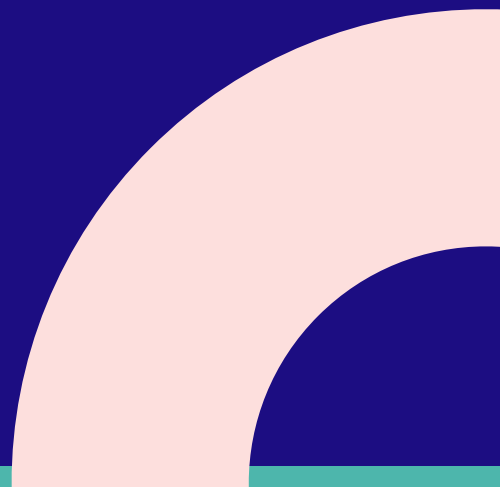
EXPERIENCE
CLOUD

DEMO






drupal/Search_api_ai



Search_api_ai - in context learning

- Use search_api to index content and attachments
- Chat to your content instead of pre-trained knowledge
- Provides link to content on your site (references)
-  uses prompt engineering

openAI Embeddings / ChatGPT / Pinecone

Index

AI Search ▾

Select the Pinecone index for the embeddings store.

user

Can you link me to the briefings of the meetings Humphrey Reynolds attended?

assistant

Here are the links to the briefings of the meetings attended by Councillor Humphrey Reynolds:

1. Planning Committee - Thursday 9 March 2023 at 7.30 pm:

[Click here for the briefing](#)

2. Planning Committee - Thursday 23 March 2023 at 7.30 pm:

[Click here for the briefing](#)

Ask ChatGPT a question *

Could you give me a list of topics discussed?



Price
\$123.00

[Jungle tshirt](#)

This product is a tshirt.

We pay our workers a fair wage to produce it.

Price
\$12.00

[Factory tshirt](#)

This product is a tshirt.

This was made in a factory with cheap labour.

Price
\$100.00

[the red one](#)

This is a red tshirt.

Price
\$101.00

[bodysuit](#)

this is a full body suit .

also ethical in its manufacture.

Let me help you find the products for you

The full body suit is an ethical product because it is manufactured in a manner that is ethical. Here is the link to the product: [bodysuit](#).

The Jungle tshirt is also an ethical product. The workers are paid a fair wage to produce it. Here is the link to the product: [Jungle tshirt](#).

Please provide ethical products. And tell me why they are ethical.

Send

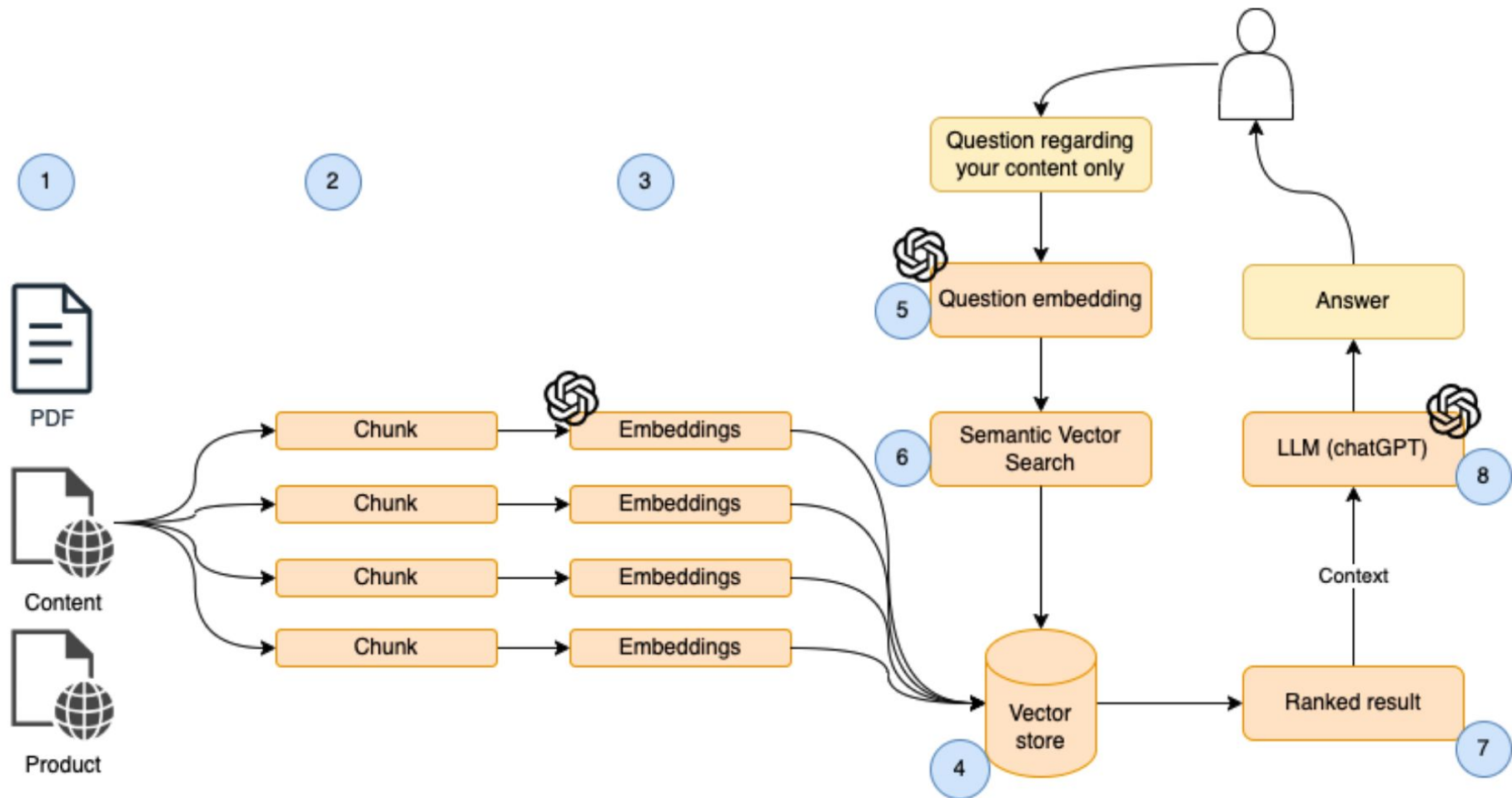
Title	Description	File size	Authored on
PLANNING COMMITTEE 03112022	PLANNING COMMITTEE Thursday 3 November 2022 at 7.30 pm Place: Council Chamber - Epsom Town Hall	1.32 MB	07/12/2023 - 14:50
PLANNING COMMITTEE 08122022	PLANNING COMMITTEE Thursday 8 December 2022 at 7.30 pm Place: Council Chamber - Epsom Town Hall	1.11 MB	07/12/2023 - 14:50
PLANNING COMMITTEE 09032023	PLANNING COMMITTEE Thursday 9 March 2023 at 7.30 pm Place: Council Chamber - Epsom Town Hall	4.1 MB	07/12/2023 - 14:50
PLANNING COMMITTEE 23032023	PLANNING COMMITTEE Thursday 23 March 2023 at 7.30 pm	1.98 MB	07/12/2023 - 14:50

Let me help you explore the resources

parking on local residential roads. The document also talks about the provision for off-street car parking to avoid an impact on on-street parking conditions and local traffic conditions. It further discusses the proposal for 4 onsite car parking spaces and the requirement for developments to provide an appropriate level of parking. The document also refers to Surrey County Council Vehicle, Cycle and Electric Vehicle Parking Guidance for New Development 2021, which requires an individual assessment for a Sui Generis use.

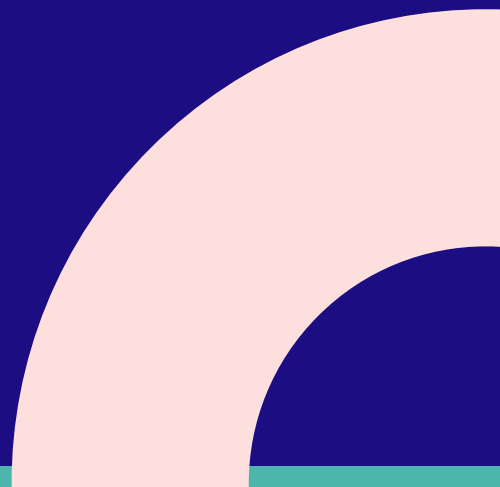
Tell me which documents discuss parking?

Send





drupal/views_chatgpt



Views_chatgpt - chaining prompts

Import Chat View ☆

Import Debug

Prompt

Provide me a list of articles and their body field.

Enter your text here. When submitted, OpenAI will generate a response from its Chats endpoint and create a View. Please note that each query counts against your API usage for OpenAI. Based on the complexity of your text, OpenAI traffic, and other factors, a response can sometimes take up to 10-15 seconds to complete. Please allow the operation to finish. Be cautious not to exceed the requests per minute quota (20/Minute by default), or you may be temporarily blocked.

Response

```
dependencies: { }
id: article_view
label: 'Article View'
module: views
description: 'A view to display all articles'
```

The response from OpenAI will appear in the textbox above.

Generate YAML

Import View

Options

Set various options related to how ChatGPT generates its response.

Model

gpt-4 (currently beta invite only)

Select which model to use to analyze text. See the [model overview](#) for details about each model.

Temperature

0.4

What sampling temperature to use, between 0 and 2. Higher values like 0.8 will make the output more random, while lower values like 0.2 will make it more focused and deterministic.

Max tokens

4096

The maximum number of tokens to generate in the completion. The token count of your prompt plus max_tokens cannot exceed the model's context length. Most models have a context length of 2048 tokens (except for the newest models, which support 4096).

Profile (content types request) *

You will always return your answer as just the machine names of the content types.

OpenAI / ChatGPT / AI Search Integration

Supported by Velir. Maintained by Kevin Quillen, Laurence Mercer, Raffaele Chiocca and Julien Alombert.

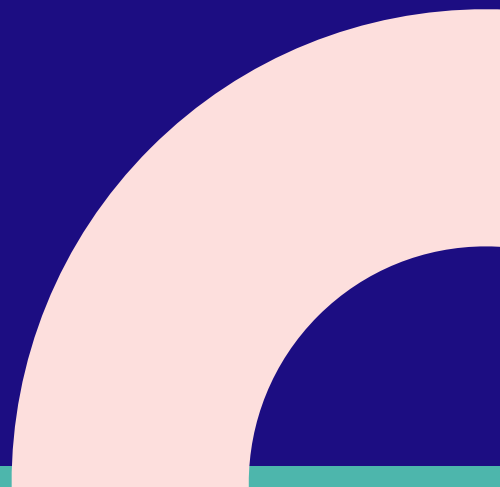
The OpenAI module provides a suite of modules and an API foundation for OpenAI integration in Drupal for generating text content, images, content analysis and more.

Submodules

- CKEditor
- OpenAi Content Tools
- ChatGPT



drupal/ai_interpolator

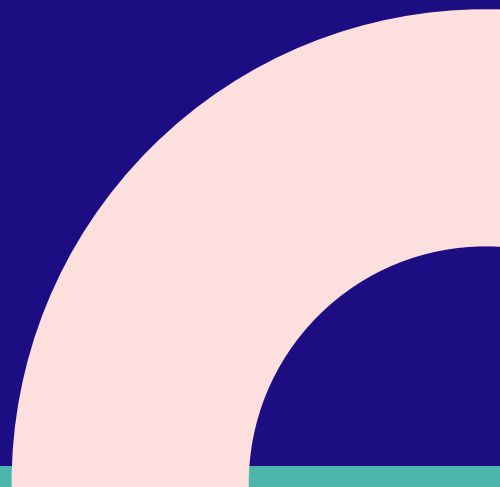


AI interpolator

- https://www.youtube.com/watch?v=Sw1Zk_M16c&t=1551s



</Drupal AI Modules>



GPT Risks & Issues

Data (still) travels to the US

Not open source (dependency)

It's only as good as the input data



DANGER ZONE!!!

Hacking is possible

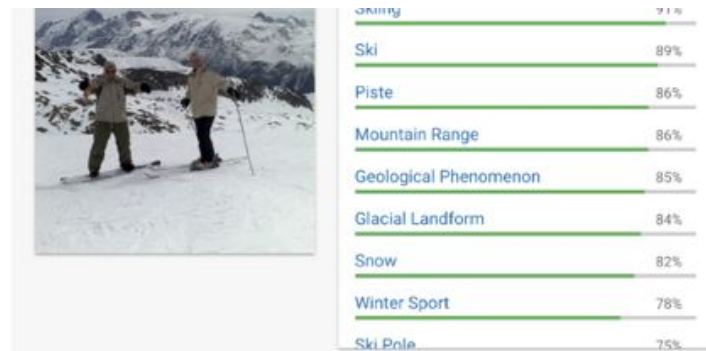
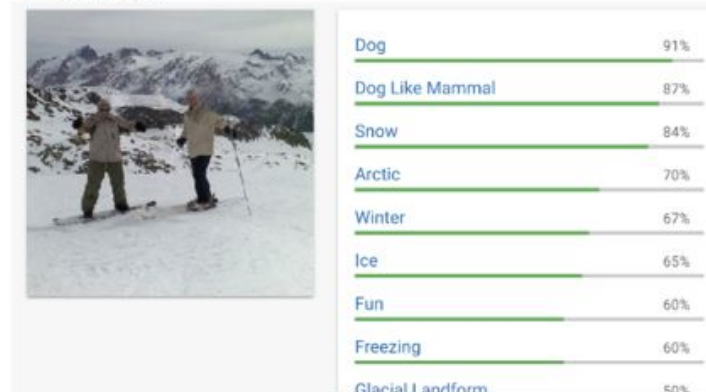


Figure 8. The Google Cloud Vision Demo labeling on the unperturbed image.



Special thanks to Vincenzo Gambino

Drupal Developer from London, UK.

13 years experience with Drupal

Speaker at DrupalCamp London, DrupalCamp Munich, Drupal Camp Poland and Drupal Camp Switzerland.

Co-author of the Book: Jumpstart Jamstack Development: Build and deploy modern websites and web apps using Gatsby, Netlify, and Sanity.

Special thanks to Jamie Abrahams

Co-founder of Freely Give

Started Drupal (london 2011)

Recently became obsessed with AI

Special thanks to you!

For having me

For organising this event in this glorious place

For listening

Final question to you

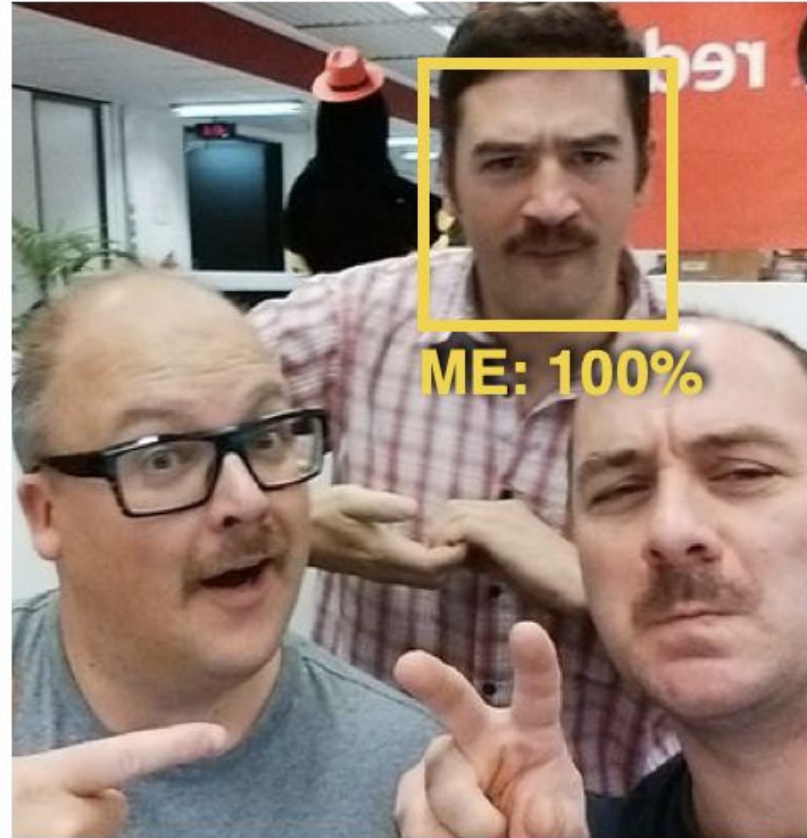
What will we see five years from now?

Talk to me after the presentation.

Let's get in touch

Frederik Wouters

<https://www.linkedin.com/in/woutersfrederik/>



Resources

ChatGPT Content Assistance: https://www.drupal.org/project/chatgpt_plugin

OpenAI / ChatGPT / AI Search Integration:

<https://www.drupal.org/project/openai>

OpenAI: <https://openai.com>

OpenAI Documentation: <https://platform.openai.com/docs/introduction>

Examples: <https://platform.openai.com/examples>

ChatGPT: <https://chat.openai.com>

Resources

ChatGPT Drupal Dev Days: <https://www.youtube.com/watch?v=LjdAsguNwIQ>

ZuriGPT: <https://zuericitygpt.ch/>