

Namespace Promezio.OAIAPI

Classes

[OAIAPI](#)

Class OAIAPI

Namespace: [Promezio.OAIAPI](#)








Assembly: OAIAPI.dll

```
public class OAIAPI
```

Inheritance

[object](#)  ← OAIAPI

Inherited Members

[object.Equals\(object\)](#)  , [object.Equals\(object, object\)](#)  , [object.GetHashCode\(\)](#)  , [object.GetType\(\)](#)  , [object.MemberwiseClone\(\)](#)  , [object.ReferenceEquals\(object, object\)](#)  , [object.ToString\(\)](#) 

Constructors

OAIAPI(string, LogLevel)

```
public OAIAPI(string apikey, LogLevel logLevel = LogLevel.Warning)
```

Parameters

apikey [string](#) 

logLevel [LogLevel](#)

Properties

Chat

```
public Chat Chat { get; }
```

Property Value

[Chat](#)

Embeddings

```
public Embeddings Embeddings { get; }
```

Property Value

[Embeddings](#)

Files

```
public Files Files { get; }
```

Property Value

[Files](#)

FineTuning

```
public FineTuning FineTuning { get; }
```

Property Value

[FineTuning](#)

Speech

```
public Speech Speech { get; }
```

Property Value

[Speech](#)

Transcription

```
public Transcription Transcription { get; }
```

Property Value

[Transcription](#)

Namespace Promezio.OAIAPICapabilities

Classes

[Capability](#)

Class Capability

Namespace: [Promezio.OAIAPL.Capabilities](#)

Assembly: OAIAPL.dll

```
public abstract class Capability
```








Inheritance

[object](#)  ← Capability

Derived

[Chat](#), [Embeddings](#), [Files](#), [FineTuning](#), [Speech](#), [Transcription](#)

Inherited Members

[object.Equals\(object\)](#)  , [object.Equals\(object, object\)](#)  , [object.GetHashCode\(\)](#)  , [object.GetType\(\)](#)  , [object.MemberwiseClone\(\)](#)  , [object.ReferenceEquals\(object, object\)](#)  , [object.ToString\(\)](#) 

Constructors

Capability(string, Logger)

```
public Capability(string apikey, Logger logger)
```

Parameters

apikey [string](#) 

logger [Logger](#)

Fields

_apikey

```
protected string _apikey
```

Field Value

[string](#) 

`_logger`

`protected` `Logger` `_logger`


Field Value

[Logger](#)

`_serializerOptions`

`protected` `JsonSerializerOptions` `_serializerOptions`

Field Value

[JsonSerializerOptions](#) 

Namespace Promezio.OAIAPICapabilities.Chat

Classes

[Chat](#)

Represents a chat client for interacting with OpenAI completion chat model API.

[ChatModel](#)

Represents a chat model that can be used with the OpenAI API.

[ChatResponse](#)

Represents the response object received from the OpenAI API after sending a chat completion request.

[ChatStreamResponse](#)

Represents a response from a chat stream.

[Choice](#)

Represents a single candidate response generated by the OpenAI chat model for a prompt.

[Config](#)

Represents a configuration object for customizing chat responses generated by the OpenAI chat API.

[ResponseFormat](#)

Represents the desired format for the OpenAI chat API response.

[Role](#)

Represents the role associated with a message in the OpenAI chat API response.

[StreamChoice](#)

Represents a choice within a stream, encapsulating information about the selection index, a potential chat message update, and the reason for concluding the stream.

Structs

[ChatMessage](#)

Represents a single chat message sent or received through the OpenAI chat API.

Enums

[AvailableChatModels](#)

Enumerates the available chat models that can be used with the OpenAI API.

[AvailableResponseFormat](#)

Enumerates the available response formats for OpenAI chat API responses.

[AvailableRoles](#)

Enumerates the possible roles associated with messages in OpenAI chat responses.

Enum AvailableChatModels

Namespace: [Promezio.OAIAPICapabilities.Chat](#)

Assembly: OAIAPIC.dll

Enumerates the available chat models that can be used with the OpenAI API.

```
public enum AvailableChatModels
```

Fields

GPT4 = 3

GPT4_32K = 6

GPT4_TURBO_0125 = 4

GPT4_VISION_PREVIEW = 5

GPT_3_5_TURBO = 1

GPT_3_5_TURBO_0125 = 0

GPT_3_5_TURBO_1106 = 2

Enum AvailableResponseFormat

Namespace: [Promezio.OAIAPICapabilities.Chat](#)

Assembly: OAIAPIC.dll

Enumerates the available response formats for OpenAI chat API responses.

```
public enum AvailableResponseFormat
```

Fields

JSON = 0

TEXT = 1

Enum AvailableRoles

Namespace: [Promezio.OAIAPICapabilities.Chat](#)

Assembly: OAIAPIC.dll

Enumerates the possible roles associated with messages in OpenAI chat responses.

```
public enum AvailableRoles
```

Fields

```
ASSISTANT = 2
```

```
SYSTEM = 0
```

```
USER = 1
```

Class Chat

Namespace: [Promezio.OAIAPICapabilities.Chat](#)

Assembly: OAIAPIC.dll








Represents a chat client for interacting with OpenAI completion chat model API.

```
public class Chat : Capability
```

Inheritance

[object](#)  ← [Capability](#)  ← Chat

Inherited Members

[Capability.serializerOptions](#) , [Capability.apikey](#) , [Capability.logger](#) , [object.Equals\(object\)](#)  , [object.Equals\(object, object\)](#)  , [object.GetHashCode\(\)](#)  , [object.GetType\(\)](#)  , [object.MemberwiseClone\(\)](#)  , [object.ReferenceEquals\(object, object\)](#)  , [object.ToString\(\)](#) 

Constructors

Chat(string, Logger)

Initializes a new instance of the Chat class with the specified API key.

```
public Chat(string apikey, Logger logger)
```

Parameters

apikey [string](#) 

The API key for authentication.

logger [Logger](#)

An instance of a logging object to record actions and errors.

Methods

Dispatch(string, Config)

Sends a single prompt to the OpenAI chat API and returns the complete response.

```
public Task<ChatResponse?> Dispatch(string prompt, Config config)
```

Parameters

prompt [string](#)

The text prompt to send to the chat model.

config [Config](#)

Configuration options for the OpenAI API request.

Returns

[Task](#) <[ChatResponse](#)>

A ChatResponse object containing the API's response and details.

Exceptions

[HttpRequestException](#)

Thrown if the HTTP request to the API fails.

DispatchStream(string, Config)

Opens a stream to the OpenAI chat API and sends a prompt, receiving responses in real-time.

```
public IEnumerable<ChatStreamResponse?> DispatchStream(string prompt, Config config)
```

Parameters

prompt [string](#)

The text prompt to send to the chat model.

config [Config](#)

Configuration options for the OpenAI API request.

Returns

[IEnumerable](#)  <[ChatStreamResponse](#)>

An IEnumerable of ChatStreamResponse objects containing partial responses.

Exceptions

[HttpRequestException](#) 

Thrown if the HTTP request to the API fails.

Struct ChatMessage

Namespace: [Promezio.OAIAPICapabilities.Chat](#)

Assembly: OAIAPIC.dll

Represents a single chat message sent or received through the OpenAI chat API.

```
public struct ChatMessage
```

Inherited Members

[ValueType.Equals\(object\)](#), [ValueType.GetHashCode\(\)](#), [ValueType.ToString\(\)](#), [object.Equals\(object, object\)](#), [object.GetType\(\)](#), [object.ReferenceEquals\(object, object\)](#)

Properties

Content

Gets or sets the content of the message, which can be plain text or other supported formats.

```
public string? Content { readonly get; set; }
```

Property Value

[string](#)

Represents a single chat message sent or received through the OpenAI chat API.

Role

Gets or sets the role of the message sender (e.g., "user", "assistant").

```
public string? Role { readonly get; set; }
```

Property Value

[string](#)

Represents a single chat message sent or received through the OpenAI chat API.

Class ChatModel


Namespace: [Promezio.OAI.API.Capabilities.Chat](#)

Assembly: OAI.API.dll







Represents a chat model that can be used with the OpenAI API.

```
public class ChatModel
```

Inheritance

[object](#)  ← ChatModel

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) 

Constructors

ChatModel(AvailableChatModels)

Initializes a new instance of the ChatModel class with the specified model. The default model is GPT-3.5-turbo-0125 if not specified.

```
public ChatModel(AvailableChatModels model = AvailableChatModels.GPT_3_5_TURBO_0125)
```

Parameters

model [AvailableChatModels](#)

The available chat model to use.

Methods

ToString()

Returns a string representation of the chat model name, formatted for use in API requests.

```
public override string ToString()
```

Returns

[string](#) 

The string representation of the chat model name.

Class ChatResponse

Namespace: [Promezio.OAI.API.Capabilities.Chat](#)

Assembly: OAI.API.dll








Represents the response object received from the OpenAI API after sending a chat completion request.

```
public class ChatResponse
```

Inheritance

[object](#)  ← ChatResponse

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#) 

Properties

Choices

An array of possible completions, with the first element considered the "best" response. Each element contains a **Message** object with the generated text content.

```
public Choice[]? Choices { get; set; }
```

Property Value

[Choice](#)[]

Represents the response object received from the OpenAI API after sending a chat completion request.

Created

Unix timestamp indicating when the response was created.

```
public int? Created { get; set; }
```

Property Value

[int](#)?

Represents the response object received from the OpenAI API after sending a chat completion request.

Id

A unique identifier for the response.

```
public string? Id { get; set; }
```

Property Value

[string](#)

Represents the response object received from the OpenAI API after sending a chat completion request.

Model

The OpenAI chat model used to generate the response.

```
public string? Model { get; set; }
```

Property Value

[string](#)

Represents the response object received from the OpenAI API after sending a chat completion request.

System_fingerprint

A security fingerprint associated with the response.

```
public string? System_fingerprint { get; set; }
```

Property Value

[string](#) 

Represents the response object received from the OpenAI API after sending a chat completion request.

Usage

An object containing usage information related to the request.

```
public Usage? Usage { get; set; }
```

Property Value

[Usage](#)

Represents the response object received from the OpenAI API after sending a chat completion request.

Methods

GetMessage()

Extracts the main text content from the first choice of the response.

```
public string? GetMessage()
```

Returns

[string](#) 

The plain text content of the first choice's message, or an empty string if unavailable.

Class ChatStreamResponse

Namespace: [Promezio.OAIAPICapabilities.Chat](#)

Assembly: OAIAPIC.dll

Represents a response from a chat stream.

```
public class ChatStreamResponse
```

Inheritance

[object](#) ← ChatStreamResponse

Inherited Members

[object.Equals\(object\)](#), [object.Equals\(object, object\)](#), [object.GetHashCode\(\)](#), [object.GetType\(\)](#), [object.MemberwiseClone\(\)](#), [object.ReferenceEquals\(object, object\)](#), [object.ToString\(\)](#)

Remarks

This class encapsulates the data received as a response from a chat stream, including the unique identifier of the response, creation timestamp, model used, system fingerprint, and the array of response choices. It also provides a method to retrieve the message content from the first choice, if available.

Properties

Choices

An array of potential message updates within the response stream. Each element contains a **Delta** object with the updated text content.

```
public StreamChoice[]? Choices { get; set; }
```

Property Value

[StreamChoice\[\]](#)

Represents a response from a chat stream.

Created

Unix timestamp indicating when the response was created.

```
public int? Created { get; set; }
```

Property Value

[int](#)?

Represents a response from a chat stream.

Id

A unique identifier for the response.

```
public string? Id { get; set; }
```

Property Value

[string](#)

Represents a response from a chat stream.

Model

The OpenAI chat model used to generate the response.

```
public string? Model { get; set; }
```

Property Value

[string](#)

Represents a response from a chat stream.

System_fingerprint

A security fingerprint associated with the response.

```
public string? System_fingerprint { get; set; }
```

Property Value

[string](#)

Represents a response from a chat stream.

Methods

GetMessage()

Extracts the updated message content from the first choice of the response, if available.

```
public string? GetMessage()
```

Returns

[string](#)

The updated message content string, or an empty string if unavailable.

Class Choice

Namespace: [Promezio.OAIAPL.Capabilities.Chat](#)

Assembly: OAIAPL.dll

Represents a single candidate response generated by the OpenAI chat model for a prompt.

```
public class Choice
```

Inheritance

[object](#)  ← Choice

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#) 

Properties

Finish_reason

```
public string? Finish_reason { get; set; }
```

Property Value

[string](#) 

Represents a single candidate response generated by the OpenAI chat model for a prompt.

Index

The numerical index of this choice within the response, where 0 is the best option.

```
public int? Index { get; set; }
```

Property Value

[int](#)?

Represents a single candidate response generated by the OpenAI chat model for a prompt.

Message

The generated text message content for this choice.

```
public ChatMessage? Message { get; set; }
```

Property Value

[ChatMessage](#)?

Represents a single candidate response generated by the OpenAI chat model for a prompt.

Class Config

Namespace: [Promezio.OAIAPICapabilities.Chat](#)

Assembly: OAIAPIC.dll

Represents a configuration object for customizing chat responses generated by the OpenAI chat API.

```
public class Config
```

Inheritance

[object](#) ← Config

Inherited Members

[object.Equals\(object\)](#), [object.Equals\(object, object\)](#), [object.GetHashCode\(\)](#), [object.GetType\(\)](#), [object.MemberwiseClone\(\)](#), [object.ReferenceEquals\(object, object\)](#), [object.ToString\(\)](#)

Constructors

Config(ChatModel, int, bool, int?, int?, int, decimal, ResponseFormat?, int?, decimal, decimal, string?)

```
public Config(ChatModel model, int frequencyPenalty = 0, bool logprobs = false, int? topLogprobs = null, int? maxTokens = null, int n = 1, decimal presencePenalty = 0, ResponseFormat? responseFormat = null, int? seed = null, decimal temperature = 1, decimal topP = 1, string? user = null)
```

Parameters

model [ChatModel](#)

Represents a configuration object for customizing chat responses generated by the OpenAI chat API.

frequencyPenalty [int](#)

Represents a configuration object for customizing chat responses generated by the OpenAI chat API.

logprobs [bool](#)

Represents a configuration object for customizing chat responses generated by the OpenAI chat API.

`topLogprobs` [int](#)?

Represents a configuration object for customizing chat responses generated by the OpenAI chat API.

`maxTokens` [int](#)?

Represents a configuration object for customizing chat responses generated by the OpenAI chat API.

`n` [int](#)

Represents a configuration object for customizing chat responses generated by the OpenAI chat API.

`presencePenalty` [decimal](#)

Represents a configuration object for customizing chat responses generated by the OpenAI chat API.

`responseFormat` [ResponseFormat](#)

Represents a configuration object for customizing chat responses generated by the OpenAI chat API.

`seed` [int](#)?

Represents a configuration object for customizing chat responses generated by the OpenAI chat API.

`temperature` [decimal](#)

Represents a configuration object for customizing chat responses generated by the OpenAI chat API.

`topP` [decimal](#)

Represents a configuration object for customizing chat responses generated by the OpenAI chat API.

`user` [string](#)

Represents a configuration object for customizing chat responses generated by the OpenAI chat API.

Properties

FrequencyPenalty

A penalty that discourages repetition of common words, ranging from -2.0 (heavy penalty) to 2.0 (no penalty). Default is 0.

```
public int FrequencyPenalty { get; set; }
```

Property Value

[int](#)

Represents a configuration object for customizing chat responses generated by the OpenAI chat API.

Logprobs

A flag indicating whether to include log probabilities in the response for analysis. Default is false.

```
public bool Logprobs { get; set; }
```

Property Value

[bool](#)

Represents a configuration object for customizing chat responses generated by the OpenAI chat API.

MaxTokens

The maximum number of tokens (words or characters) to generate in the response. Default is null (no limit).

```
public int? MaxTokens { get; set; }
```

Property Value

[int](#)?

Represents a configuration object for customizing chat responses generated by the OpenAI chat API.

Model

The OpenAI chat model identifier used for generating responses.

```
public ChatModel Model { get; set; }
```

Property Value

[ChatModel](#)

Represents a configuration object for customizing chat responses generated by the OpenAI chat API.

N

The number of different response candidates to generate. Default is 1.

```
public int N { get; set; }
```

Property Value

[int](#)

Represents a configuration object for customizing chat responses generated by the OpenAI chat API.

PresencePenalty

A penalty that discourages repetition of previously used words, ranging from -2.0 (heavy penalty) to 2.0 (no penalty). Default is 0.

```
public decimal PresencePenalty { get; set; }
```

Property Value

[decimal](#)

Represents a configuration object for customizing chat responses generated by the OpenAI chat API.

ResponseFormat

The desired format for the response (JSON or TEXT). Default is null (API default).

```
public ResponseFormat? ResponseFormat { get; set; }
```

Property Value

[ResponseFormat](#)

Represents a configuration object for customizing chat responses generated by the OpenAI chat API.

Seed

An optional seed value for random number generation, influencing response variety. Default is null (random).

```
public int? Seed { get; set; }
```

Property Value

[int](#)?

Represents a configuration object for customizing chat responses generated by the OpenAI chat API.

Stop

A specific list of strings that interrupt the generation.

```
public string[]? Stop { get; set; }
```

Property Value

[string](#)[]

Represents a configuration object for customizing chat responses generated by the OpenAI chat API.

Stream

A flag indicating whether to use streaming for receiving partial responses over time. Default is false.

```
public bool Stream { get; set; }
```


Property Value

[bool](#)

Represents a configuration object for customizing chat responses generated by the OpenAI chat API.

Temperature

Controls the randomness in response generation, ranging from 0 (deterministic) to 2 (highly random). Default is 1.

```
public decimal Temperature { get; set; }
```

Property Value

[decimal](#)

Represents a configuration object for customizing chat responses generated by the OpenAI chat API.

TopLogprobs

The maximum number of top log probabilities to return if **Logprobs** is enabled, between 0 and 5. Default is null (unlimited).

```
public int? TopLogprobs { get; set; }
```

Property Value

[int](#)?

Represents a configuration object for customizing chat responses generated by the OpenAI chat API.

TopP

Controls the diversity of response options, ranging from 0 (most predictable) to 1 (maximally diverse). Default is 1.

```
public decimal TopP { get; set; }
```

Property Value

[decimal](#)[↗]

Represents a configuration object for customizing chat responses generated by the OpenAI chat API.

User

An optional user identifier associated with the request. Default is null.

```
public string? User { get; set; }
```

Property Value

[string](#)[↗]

Represents a configuration object for customizing chat responses generated by the OpenAI chat API.

Class ResponseFormat

Namespace: [Promezio.OAIAPICapabilities.Chat](#)

Assembly: OAIAPIC.dll







Represents the desired format for the OpenAI chat API response.

```
public class ResponseFormat
```

Inheritance

[object](#)  ← ResponseFormat

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) 

Constructors

ResponseFormat(AvailableResponseFormat)

Initializes a new instance of the ResponseFormat class with the specified format. Defaults to TEXT format.

```
public ResponseFormat(AvailableResponseFormat type = AvailableResponseFormat.TEXT)
```

Parameters

type [AvailableResponseFormat](#)

The desired response format.

Methods

ToString()

Returns a string representation of the chosen response format.

```
public override string ToString()
```

Returns

[string](#) 

A string indicating either "json_object" or "text" based on the chosen format.

Class Role

Namespace: [Promezio.OAIAPICapabilities.Chat](#)

Assembly: OAIAPIC.dll







Represents the role associated with a message in the OpenAI chat API response.

```
public class Role
```

Inheritance

[object](#)  ← Role

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) 

Constructors

Role(AvailableRoles)

Initializes a new instance of the Role class with the specified role. Defaults to USER role.

```
public Role(AvailableRoles role = AvailableRoles.USER)
```

Parameters

role [AvailableRoles](#)

The role associated with the message.

Methods

ToString()

Returns a string representation of the role.

```
public override string ToString()
```

Returns

[string](#) 

A string indicating either "system", "user", or "assistant" based on the chosen role.

Class StreamChoice

Namespace: [Promezio.OAI.API.Capabilities.Chat](#)

Assembly: OAI.API.dll








Represents a choice within a stream, encapsulating information about the selection index, a potential chat message update, and the reason for concluding the stream.

```
public class StreamChoice
```

Inheritance

[object](#)  ← StreamChoice

Inherited Members

[object.Equals\(object\)](#)  , [object.Equals\(object, object\)](#)  , [object.GetHashCode\(\)](#)  , [object.GetType\(\)](#)  , [object.MemberwiseClone\(\)](#)  , [object.ReferenceEquals\(object, object\)](#)  , [object.ToString\(\)](#) 

Properties

Delta

The updated text content for the chat message, if available.

```
public ChatMessage? Delta { get; set; }
```

Property Value

[ChatMessage?](#)

Represents a choice within a stream, encapsulating information about the selection index, a potential chat message update, and the reason for concluding the stream.

Finish_reason

The reason why the stream was concluded with this update, such as "stop" for reaching the completion limit or "length" for reaching the desired text length.

```
public string? Finish_reason { get; set; }
```

Property Value

[string](#) 

Represents a choice within a stream, encapsulating information about the selection index, a potential chat message update, and the reason for concluding the stream.

Index

The numerical index of this update within the stream, where 0 is the most recent change.

```
public int Index { get; set; }
```

Property Value

[int](#) 

Represents a choice within a stream, encapsulating information about the selection index, a potential chat message update, and the reason for concluding the stream.

Namespace Promezio.OAIAPICapabilities.

CommonModels

Classes

[Usage](#)

Represents an object with statistics for the completion request.

Class Usage

Namespace: [Promezio.OAIAPICapabilities.CommonModels](#)

Assembly: OAIAPIC.dll

Represents an object with statistics for the completion request.

```
public class Usage
```

Inheritance

[object](#)  ← Usage

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#) 

Properties

Completion_tokens

```
public int Completion_tokens { get; set; }
```

Property Value

[int](#) 

Represents an object with statistics for the completion request.

Prompt_tokens

```
public int Prompt_tokens { get; set; }
```

Property Value

[int](#) 

Represents an object with statistics for the completion request.

Total_tokens

```
public int Total_tokens { get; set; }
```

Property Value

[int](#)

Represents an object with statistics for the completion request.

Namespace Promezio.OAIAPICapabilities. Embedding

Classes

[EmbeddingModel](#)

Represents a model that can be used to generate embeddings.

[EmbeddingObject](#)

Represents a single embedding returned by the Promezio OAI API.

[EmbeddingResponse](#)

Represents the response object returned by the `Embeddings.Create` method.

[Embeddings](#)

Represents the embeddings capability of the Promezio OAI API.

[EmbeddingsConfig](#)

Represents the configuration options for creating embeddings.

Enums

[AvailableEmbeddingsModels](#)

Enumerates the possible embedding models available in the OpenAI API

Enum AvailableEmbeddingsModels

Namespace: [Promezio.OAIAPICapabilities.Embedding](#)

Assembly: OAIAPIC.dll

Enumerates the possible embedding models available in the OpenAI API

```
public enum AvailableEmbeddingsModels
```

Fields

```
EMBEDDING_ADA = 0
```

```
EMBEDDING_V3_LARGE = 1
```

```
EMBEDDING_V3_SMALL = 2
```

Class EmbeddingModel


Namespace: [Promezio.OAIAPICapabilities.Embedding](#)

Assembly: OAIAPIC.dll







Represents a model that can be used to generate embeddings.

```
public class EmbeddingModel
```

Inheritance

[object](#)  ← EmbeddingModel

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) 

Constructors

EmbeddingModel(AvailableEmbeddingsModels)

Initializes a new instance of the [EmbeddingModel](#) class.

```
public EmbeddingModel(AvailableEmbeddingsModels model)
```

Parameters

model [AvailableEmbeddingsModels](#)

The [AvailableEmbeddingsModels](#) to use.

Methods

ToString()

Returns a string representation of the model, suitable for use in API requests.

```
public override string ToString()
```

Returns

[string](#) 

The string representation of the model.

Class EmbeddingObject


Namespace: [Promezio.OAI.API.Capabilities.Embedding](#)

Assembly: OAI.API.dll

Represents a single embedding returned by the Promezio OAI API.

```
public class EmbeddingObject
```

Inheritance

[object](#)  ← EmbeddingObject

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#) 

Properties

Embedding

An array of floating-point numbers representing the numerical embedding vector. Can be null.

```
public float[]? Embedding { get; set; }
```

Property Value

[float](#)  []

Represents a single embedding returned by the Promezio OAI API.

Index

The index of the corresponding input text (matches the order in the request). Can be null.

```
public int? Index { get; set; }
```


Property Value

[int](#)?

Represents a single embedding returned by the Promezio OAI API.

Object

An optional object identifier associated with the input text. Can be null.

```
public string? Object { get; set; }
```

Property Value

[string](#)

Represents a single embedding returned by the Promezio OAI API.

Class EmbeddingResponse

Namespace: [Promezio.OAIAPICapabilities.Embedding](#)

Assembly: OAIAPIC.dll

Represents the response object returned by the `Embeddings.Create` method.

```
public class EmbeddingResponse
```

Inheritance

[object](#) ← EmbeddingResponse

Inherited Members

[object.Equals\(object\)](#), [object.Equals\(object, object\)](#), [object.GetHashCode\(\)](#), [object.GetType\(\)](#), [object.MemberwiseClone\(\)](#), [object.ReferenceEquals\(object, object\)](#), [object.ToString\(\)](#)

Properties

Data

An array of embedding objects, each containing the embedding for a corresponding input text. Can be null if the request failed.

```
public EmbeddingObject[]? Data { get; set; }
```

Property Value

[EmbeddingObject](#)[]

Represents the response object returned by the `Embeddings.Create` method.

Model

The embedding model used to generate the embeddings (matches the model specified in the request).

```
public string? Model { get; set; }
```

Property Value

[string](#) 

Represents the response object returned by the Embeddings.Create method.

Usage

Information about the usage limits and costs associated with the request.

```
public Usage? Usage { get; set; }
```

Property Value

[Usage](#)

Represents the response object returned by the Embeddings.Create method.

Class Embeddings

Namespace: [Promezio.OAI.API.Capabilities.Embedding](#)

Assembly: OAI.API.dll








Represents the embeddings capability of the Promezio OAI API.

```
public class Embeddings : Capability
```

Inheritance

[object](#)  ← [Capability](#)  ← Embeddings

Inherited Members

[Capability.serializerOptions](#), [Capability.apikey](#), [Capability.logger](#), [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#) 

Constructors

Embeddings(string, Logger)

Initializes a new instance of the [Embeddings](#) class.

```
public Embeddings(string apikey, Logger logger)
```

Parameters

apikey [string](#) 

The API key to use for authentication.

logger [Logger](#)

The logger to use for logging messages.

Methods

Create(string[], EmbeddingsConfig)

Creates embeddings for a given set of input texts.

```
public Task<EmbeddingResponse?> Create(string[] input, EmbeddingsConfig config)
```

Parameters

input [string](#)  []

An array of text strings to create embeddings for.

config [EmbeddingsConfig](#)

The configuration options for the embedding creation.

Returns

[Task](#)  <[EmbeddingResponse](#)>

An instance of [EmbeddingResponse](#) containing the resulting embeddings, or null if the request failed.

Exceptions

[ArgumentException](#) 

Thrown if the length of the **input** array exceeds 2048 characters.

[HttpRequestException](#) 

Thrown if the HTTP request to the server fails.

Class EmbeddingsConfig


Namespace: [Promezio.OAIAPICapabilities.Embedding](#)

Assembly: OAIAPIC.dll

Represents the configuration options for creating embeddings.

```
public class EmbeddingsConfig
```

Inheritance

[object](#)  ← EmbeddingsConfig

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#) 

Constructors

EmbeddingsConfig(AvailableEmbeddingsModels, string, int?, string?)

Initializes a new instance of the [EmbeddingsConfig](#) class.

```
public EmbeddingsConfig(AvailableEmbeddingsModels model, string encodingFormat = "float",  
int? dimensions = null, string? user = null)
```

Parameters

model [AvailableEmbeddingsModels](#)

The [AvailableEmbeddingsModels](#) to use.

encodingFormat [string](#) 

The format of the output embeddings. Defaults to "float".

dimensions [int](#) ?

The desired dimensionality of the embedding vectors (only supported for models "text-embedding-3" and later). Defaults to null.

user [string](#)

An optional user identifier associated with the request.

Exceptions

[ArgumentException](#)

Thrown if the specified number of dimensions is not supported for the chosen embedding model.

Properties

Dimensions

The desired dimensionality of the embedding vectors. Only supported for models "text-embedding-3" and later.

```
public int? Dimensions { get; }
```

Property Value

[int](#)?

Represents the configuration options for creating embeddings.

EncodingFormat

The format of the output embeddings. Defaults to "float".

```
public string EncodingFormat { get; }
```

Property Value

[string](#)

Represents the configuration options for creating embeddings.

Model

The embedding model to use.

```
public EmbeddingModel Model { get; }
```

Property Value

[EmbeddingModel](#)

Represents the configuration options for creating embeddings.

User

An optional user identifier associated with the request.

```
public string? User { get; }
```

Property Value

[string](#)

Represents the configuration options for creating embeddings.

Namespace Promezio.OAIAPICapabilities.Files

Classes

[FileObject](#)

Represents a file object with specific attributes for managing and tracking files within the Promezio.OAIAPICapabilities context.

[Files](#)

The Files class provides functionalities to interact with the OpenAI REST API for file operations. It allows for uploading, listing, retrieving, deleting, and accessing the content of files.

[Purposes](#)

Class FileObject

Namespace: [Promezio.OAI.API.Capabilities.Files](#)

Assembly: OAI.API.dll








Represents a file object with specific attributes for managing and tracking files within the Promezio.OAI.API context.

```
public class FileObject
```

Inheritance

[object](#)  ← FileObject

Inherited Members

[object.Equals\(object\)](#)  , [object.Equals\(object, object\)](#)  , [object.GetHashCode\(\)](#)  , [object.GetType\(\)](#)  , [object.MemberwiseClone\(\)](#)  , [object.ReferenceEquals\(object, object\)](#)  , [object.ToString\(\)](#) 

Properties

Bytes

Gets or sets the size of the file in bytes.

```
public uint? Bytes { get; set; }
```

Property Value

[uint](#)  ?

Represents a file object with specific attributes for managing and tracking files within the Promezio.OAI.API context.

Created_at

Gets or sets the creation timestamp of the file.

```
public uint? Created_at { get; set; }
```

Property Value

[uint](#)?

Represents a file object with specific attributes for managing and tracking files within the Promezio.OAI-API context.

Filename

Gets or sets the filename.

```
public string? Filename { get; set; }
```

Property Value

[string](#)

Represents a file object with specific attributes for managing and tracking files within the Promezio.OAI-API context.

Id

Gets or sets the unique identifier for the file.

```
public string? Id { get; set; }
```

Property Value

[string](#)

Represents a file object with specific attributes for managing and tracking files within the Promezio.OAI-API context.

Purpose

Gets or sets the purpose of the file, based on the predefined purposes in the Purposes dictionary.

```
public string? Purpose { get; set; }
```

Property Value

[string](#) 

Represents a file object with specific attributes for managing and tracking files within the Promezio.OAI API context.

Class Files

Namespace: [Promezio.OAIAPICapabilities.Files](#)

Assembly: OAIAPIC.dll








The Files class provides functionalities to interact with the OpenAI REST API for file operations. It allows for uploading, listing, retrieving, deleting, and accessing the content of files.

```
public class Files : Capability
```

Inheritance

[object](#)  ← [Capability](#)  ← Files

Inherited Members

[Capability.serializerOptions](#) , [Capability.apikey](#) , [Capability.logger](#) , [object.Equals\(object\)](#)  , [object.Equals\(object, object\)](#)  , [object.GetHashCode\(\)](#)  , [object.GetType\(\)](#)  , [object.MemberwiseClone\(\)](#)  , [object.ReferenceEquals\(object, object\)](#)  , [object.ToString\(\)](#) 

Remarks

This class is part of the Promezio.OAIAPIC library and extends the Capability base class. It requires an API key and a Logger instance for initialization.

Constructors

Files(string, Logger)

Initializes a new instance of the Files class.

```
public Files(string apikey, Logger logger)
```

Parameters

apikey [string](#) 

The API key for authenticating with the OpenAI API.

logger [Logger](#)

The logger instance for logging purposes.

Methods

Content(string)

Retrieves the content of a specific file by its ID from the OpenAI API.

```
public Task<string> Content(string fileID)
```

Parameters

fileID [string](#)[↗]

The ID of the file whose content is to be retrieved.

Returns

[Task](#)[↗] <[string](#)[↗]>

A string containing the content of the file.

Exceptions

[ArgumentException](#)[↗]

Thrown when the provided file ID is not in a valid format.

[HttpRequestException](#)[↗]

Thrown when the HTTP request to the OpenAI API fails.

Delete(string)

Deletes a specific file by its ID from the OpenAI API.

```
public Task<bool> Delete(string fileID)
```

Parameters

fileID [string](#)

The ID of the file to delete.

Returns

[Task](#) <[bool](#)>

True if the file is successfully deleted, otherwise false.

Exceptions

[ArgumentException](#)

Thrown when the provided file ID is not in a valid format.

[HttpRequestException](#)

Thrown when the HTTP request to the OpenAI API fails.

List()

Lists all files uploaded by the user to the OpenAI API.

```
public Task<FileObject[]?> List()
```

Returns

[Task](#) <[FileObject](#)[]>

An array of FileObject instances, or null if no files are found.

Exceptions

[HttpRequestException](#)

Thrown when the HTTP request to the OpenAI API fails.

Retrieve(string)

Retrieves a specific file by its ID from the OpenAI API.

```
public Task<FileObject> Retrieve(string fileID)
```

Parameters

fileID [string](#)

The ID of the file to retrieve.

Returns

[Task](#) <[FileObject](#)>

A FileObject representing the retrieved file.

Exceptions

[ArgumentException](#)

Thrown when the provided file ID is not in a valid format.

[HttpRequestException](#)

Thrown when the HTTP request to the OpenAI API fails.

[JsonException](#)

Thrown when parsing the API response fails.

Upload(string, string)

Uploads a file to the OpenAI API for processing.

```
public Task<FileObject> Upload(string fileURI, string filePurpose)
```

Parameters

fileURI [string](#)

The URI of the file to be uploaded.

filePurpose [string](#)

The purpose of the file upload, which must be a valid purpose as defined by OpenAI.

Returns

[Task](#)  <[FileObject](#)>

A FileObject representing the uploaded file.

Exceptions

[ArgumentException](#) 

Thrown when the provided file purpose is not valid.

[HttpRequestException](#) 

Thrown when the HTTP request to the OpenAI API fails.

[JsonException](#) 

Thrown when parsing the API response fails.

Class Purposes

Namespace: [Promezio.OAIAPICapabilities.Files](#)








Assembly: OAIAPIC.dll

```
public class Purposes
```

Inheritance

[object](#)  ← Purposes

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#) 

Properties

ASSISTANTS

```
public static string ASSISTANTS { get; }
```

Property Value

[string](#) 

ASSISTANTS_OUTPUT

```
public static string ASSISTANTS_OUTPUT { get; }
```

Property Value

[string](#) 

FINE_TUNE

```
public static string FINE_TUNE { get; }
```

Property Value

[string](#)

FINE_TUNE_RESULTS

```
public static string FINE_TUNE_RESULTS { get; }
```

Property Value

[string](#)

Methods

IsValid(string)

Validates whether a given purpose name corresponds to any of the predefined purpose names in this class.

```
public static bool IsValid(string purpose)
```

Parameters

purpose [string](#)

The name of the purpose to validate.

Returns

[bool](#)

True if the purpose name exists in the predefined purposes; otherwise, false.

Namespace Promezio.OAIAPICapabilities.FineTuning

Classes

[DecimalFromStringConverter](#)

Custom JSON converter for handling the conversion of decimal values from JSON. This converter supports reading decimal values from JSON, whether they are represented as numbers or strings.

[FineTuning](#)

The FineTuning class provides methods to interact with the Fine Tuning capability of the OpenAI API. This capability allows for creating, listing, retrieving, and canceling fine-tuning jobs for machine learning models.

[FineTuningEvent](#)

Represents an event in the context of fine-tuning operations in the Promezio OAIAPICapabilities.FineTuning namespace. This class is designed to capture and represent various aspects of an event that occurs during the fine-tuning process.

[FineTuningObject](#)

Represents a fine-tuning operation within the Promezio OAIAPICapabilities.FineTuning namespace, capturing various details and states of the fine-tuning process. This class serves as a central object to track and manage the status and parameters of a fine-tuning task.

[Hyperparameters](#)

Represents the hyperparameters for a fine-tuning process in the Promezio OAIAPICapabilities.FineTuning namespace.

[Models](#)

Provides a collection of predefined AI model names and a method to validate model names. This class serves as a central repository for referencing different AI models supported by the Promezio OAIAPICapabilities.FineTuning namespace.

[TuningError](#)

Represents an error encountered during the fine-tuning process

Class DecimalFromStringConverter

Namespace: [Promezio.OAIAPL.Capabilities.FineTuning](#)

Assembly: OAIAPL.dll

Custom JSON converter for handling the conversion of decimal values from JSON. This converter supports reading decimal values from JSON, whether they are represented as numbers or strings.

```
public class DecimalFromStringConverter : JsonConverter<decimal>
```

Inheritance

[object](#) < [JsonConverter](#) < [JsonConverter](#) < [decimal](#) > > < DecimalFromStringConverter

Inherited Members

[JsonConverter<decimal>.CanConvert\(Type\)](#),
[JsonConverter<decimal>.ReadAsPropertyName\(ref Utf8JsonReader, Type, JsonSerializerOptions\)](#),
[JsonConverter<decimal>.WriteAsPropertyName\(Utf8JsonWriter, decimal, JsonSerializerOptions\)](#),
[JsonConverter<decimal>.HandleNull](#), [JsonConverter<decimal>.Type](#), [object.Equals\(object\)](#),
[object.Equals\(object, object\)](#), [object.GetHashCode\(\)](#), [object.GetType\(\)](#),
[object.MemberwiseClone\(\)](#), [object.ReferenceEquals\(object, object\)](#), [object.ToString\(\)](#)

Methods

Read(ref Utf8JsonReader, Type, JsonSerializerOptions)

Reads a decimal value from a JSON reader.

```
public override decimal Read(ref Utf8JsonReader reader, Type typeToConvert,  
    JsonSerializerOptions options)
```

Parameters

reader [Utf8JsonReader](#)

The UTF8 JSON reader to read from.

typeToConvert [Type](#)

The type to convert.

options [JsonSerializerOptions](#)

The serializer options to use.

Returns

[decimal](#)

The decimal value read from the JSON.

Exceptions

[JsonException](#)

Thrown when unable to convert the string to a decimal.

Write(Utf8JsonWriter, decimal, JsonSerializerOptions)

Writes a decimal value to a JSON writer.

```
public override void Write(Utf8JsonWriter writer, decimal value,  
    JsonSerializerOptions options)
```

Parameters

writer [Utf8JsonWriter](#)

The UTF8 JSON writer to write to.

value [decimal](#)

The decimal value to write.

options [JsonSerializerOptions](#)

The serializer options to use.

Class FineTuning

Namespace: [Promezio.OAIAPICapabilities.FineTuning](#)

Assembly: OAIAPIC.dll








The FineTuning class provides methods to interact with the Fine Tuning capability of the OpenAI API. This capability allows for creating, listing, retrieving, and canceling fine-tuning jobs for machine learning models.

```
public class FineTuning : Capability
```

Inheritance

[object](#)  ← [Capability](#)  ← FineTuning

Inherited Members

[Capability.serializerOptions](#), [Capability.apikey](#), [Capability.logger](#), [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#) 

Constructors

FineTuning(string, Logger)

Initializes a new instance of the FineTuning class with the provided API key and logger.

```
public FineTuning(string apikey, Logger logger)
```

Parameters

apikey [string](#) 

The API key used for authentication.

logger [Logger](#)

An instance of the logger for capturing log messages.

Methods

Cancel(string)

Cancels a specific fine-tuning job.

```
public Task<FineTuningObject?> Cancel(string jobID)
```

Parameters

jobID [string](#)

The ID of the fine-tuning job to be canceled.

Returns

[Task](#) <[FineTuningObject](#)>

A [FineTuningObject](#) representing the canceled fine-tuning job.

Create(string, string, decimal?, decimal?, decimal?, string?, string?)

Creates a fine-tuning job for a machine learning model with the specified parameters.

```
public Task<FineTuningObject> Create(string trainingFileID, string modelName, decimal?  
batch_size = null, decimal? learning_rate_multiplier = null, decimal? n_epochs = null,  
string? suffix = null, string? validationFileID = null)
```

Parameters

trainingFileID [string](#)

The ID of the training file.

modelName [string](#)

The name of the model to be fine-tuned.

batch_size [decimal](#)?

Optional. The batch size for training.

`learning_rate_multiplier` [decimal](#)?

Optional. The learning rate multiplier.

`n_epochs` [decimal](#)?

Optional. The number of training epochs.

`suffix` [string](#)

Optional. A suffix for the fine-tuning job.

`validationFileID` [string](#)

Optional. The ID of the validation file.

Returns

[Task](#) <[FineTuningObject](#)>

A [FineTuningObject](#) representing the created fine-tuning job.

ListEvents(string)

Lists events associated with a specific fine-tuning job.

```
public Task<FineTuningEvent[]?> ListEvents(string jobID)
```

Parameters

`jobID` [string](#)

The ID of the fine-tuning job.

Returns

[Task](#) <[FineTuningEvent](#)[]>

An array of [FineTuningEvent](#) representing the list of events for the specified job.

ListJobs()

Lists all fine-tuning jobs.

```
public Task<FineTuningObject[]?> ListJobs()
```

Returns

[Task](#) [<FineTuningObject\[\]>](#)

An array of [FineTuningObject](#) representing the list of fine-tuning jobs.

Retrieve(string)

Retrieves details of a specific fine-tuning job.

```
public Task<FineTuningObject?> Retrieve(string jobID)
```

Parameters

jobID [string](#)

The ID of the fine-tuning job.

Returns

[Task](#) [<FineTuningObject>](#)

A [FineTuningObject](#) representing the details of the specified fine-tuning job.

Class FineTuningEvent


Namespace: [Promezio.OAI.API.Capabilities.FineTuning](#)

Assembly: OAI.API.dll








Represents an event in the context of fine-tuning operations in the Promezio OAI API. This class is designed to capture and represent various aspects of an event that occurs during the fine-tuning process.

```
public class FineTuningEvent
```

Inheritance

[object](#)  ← FineTuningEvent

Inherited Members

[object.Equals\(object\)](#)  , [object.Equals\(object, object\)](#)  , [object.GetHashCode\(\)](#)  , [object.GetType\(\)](#)  , [object.MemberwiseClone\(\)](#)  , [object.ReferenceEquals\(object, object\)](#)  , [object.ToString\(\)](#) 

Properties

Created_at

Gets or sets the timestamp indicating when the event was created, represented as an integer. This timestamp can be used to determine the chronological order of events and to timestamp specific operations or changes.

```
public int? Created_at { get; set; }
```

Property Value

[int](#)  ?

Represents an event in the context of fine-tuning operations in the Promezio OAI API. This class is designed to capture and represent various aspects of an event that occurs during the fine-tuning process.

Id

Gets or sets the unique identifier of the event. This ID can be used to reference and track specific events within the fine-tuning process.

```
public string? Id { get; set; }
```

Property Value

[string](#) 

Represents an event in the context of fine-tuning operations in the Promezio OAI API. This class is designed to capture and represent various aspects of an event that occurs during the fine-tuning process.

Level

Gets or sets the level of the event, which could be indicative of its severity or type (e.g., 'Info', 'Warning', 'Error'). This property helps categorize the event and can be useful for filtering or handling events based on their level.

```
public string? Level { get; set; }
```

Property Value

[string](#) 

Represents an event in the context of fine-tuning operations in the Promezio OAI API. This class is designed to capture and represent various aspects of an event that occurs during the fine-tuning process.

Message

Gets or sets a message associated with the event. This message typically provides additional details or context about the event, aiding in understanding what occurred.

```
public string? Message { get; set; }
```

Property Value

[string](#) 

Represents an event in the context of fine-tuning operations in the Promezio OAI API. This class is designed to capture and represent various aspects of an event that occurs during the fine-tuning process.

Object

Gets or sets the object associated with the event. This can be a reference to an entity or component within the fine-tuning process that is relevant to the event.

```
public string? Object { get; set; }
```

Property Value

[string](#) 

Represents an event in the context of fine-tuning operations in the Promezio OAI API. This class is designed to capture and represent various aspects of an event that occurs during the fine-tuning process.

Class FineTuningObject

Namespace: [Promezio.OAIAPICapabilities.FineTuning](#)

Assembly: OAIAPIC.dll








Represents a fine-tuning operation within the Promezio OAIAPIC, capturing various details and states of the fine-tuning process. This class serves as a central object to track and manage the status and parameters of a fine-tuning task.

```
public class FineTuningObject
```

Inheritance

[object](#)  ← FineTuningObject

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#) 

Properties

Created_at

Gets or sets the timestamp indicating when the fine-tuning operation was created, represented as an integer.

```
public int? Created_at { get; set; }
```

Property Value

[int](#) ?

Represents a fine-tuning operation within the Promezio OAIAPIC, capturing various details and states of the fine-tuning process. This class serves as a central object to track and manage the status and parameters of a fine-tuning task.

Error

Gets or sets any error that might have occurred during the fine-tuning process.

```
public TuningError? Error { get; set; }
```

Property Value

[TuningError](#)

Represents a fine-tuning operation within the Promezio OAI API, capturing various details and states of the fine-tuning process. This class serves as a central object to track and manage the status and parameters of a fine-tuning task.

Fine_tuned_model

Gets or sets the identifier of the fine-tuned model generated by this operation.

```
public string? Fine_tuned_model { get; set; }
```

Property Value

[string](#)

Represents a fine-tuning operation within the Promezio OAI API, capturing various details and states of the fine-tuning process. This class serves as a central object to track and manage the status and parameters of a fine-tuning task.

Finished_at

Gets or sets the timestamp indicating when the fine-tuning operation was completed, nullable.

```
public int? Finished_at { get; set; }
```

Property Value

[int](#)

Represents a fine-tuning operation within the Promezio OAI API, capturing various details and states of the fine-tuning process. This class serves as a central object to track and manage the status and

parameters of a fine-tuning task.

Hyperparameters

Gets or sets the hyperparameters used for the fine-tuning operation.

```
public Hyperparameters? Hyperparameters { get; set; }
```

Property Value

[Hyperparameters](#)

Represents a fine-tuning operation within the Promezio OAI API, capturing various details and states of the fine-tuning process. This class serves as a central object to track and manage the status and parameters of a fine-tuning task.

Id

Gets or sets the unique identifier of the fine-tuning operation.

```
public string? Id { get; set; }
```

Property Value

[string](#) 

Represents a fine-tuning operation within the Promezio OAI API, capturing various details and states of the fine-tuning process. This class serves as a central object to track and manage the status and parameters of a fine-tuning task.

Object

Gets or sets the type of object, typically used for internal tracking and identification.

```
public string? Object { get; set; }
```

Property Value

[string](#) 

Represents a fine-tuning operation within the Promezio OAI API, capturing various details and states of the fine-tuning process. This class serves as a central object to track and manage the status and parameters of a fine-tuning task.

Organization_it

Gets or sets the identifier of the organization initiating the fine-tuning operation.

```
public string? Organization_it { get; set; }
```

Property Value

[string](#) 

Represents a fine-tuning operation within the Promezio OAI API, capturing various details and states of the fine-tuning process. This class serves as a central object to track and manage the status and parameters of a fine-tuning task.

Result_files

Gets or sets the array of result file paths or identifiers generated by the fine-tuning operation, nullable.

```
public string[]? Result_files { get; set; }
```

Property Value

[string](#)  []

Represents a fine-tuning operation within the Promezio OAI API, capturing various details and states of the fine-tuning process. This class serves as a central object to track and manage the status and parameters of a fine-tuning task.

Status

Gets or sets the current status of the fine-tuning operation (e.g., 'running', 'completed', 'failed').

```
public string? Status { get; set; }
```

Property Value

[string](#) 

Represents a fine-tuning operation within the Promezio OAI API, capturing various details and states of the fine-tuning process. This class serves as a central object to track and manage the status and parameters of a fine-tuning task.

Trained_tokens

Gets or sets the number of tokens trained during the operation, nullable.

```
public int? Trained_tokens { get; set; }
```

Property Value

[int](#) ?

Represents a fine-tuning operation within the Promezio OAI API, capturing various details and states of the fine-tuning process. This class serves as a central object to track and manage the status and parameters of a fine-tuning task.

Training_file

Gets or sets the path or identifier of the training data file used in the fine-tuning operation.

```
public string? Training_file { get; set; }
```

Property Value

[string](#) 

Represents a fine-tuning operation within the Promezio OAI API, capturing various details and states of the fine-tuning process. This class serves as a central object to track and manage the status and parameters of a fine-tuning task.

Validation_file

Gets or sets the path or identifier of the validation data file used in the fine-tuning operation.

```
public string? Validation_file { get; set; }
```

Property Value

[string](#) 

Represents a fine-tuning operation within the Promezio OAI API, capturing various details and states of the fine-tuning process. This class serves as a central object to track and manage the status and parameters of a fine-tuning task.

model

Gets or sets the base model used for fine-tuning.

```
public string? model { get; set; }
```

Property Value

[string](#) 

Represents a fine-tuning operation within the Promezio OAI API, capturing various details and states of the fine-tuning process. This class serves as a central object to track and manage the status and parameters of a fine-tuning task.

Class Hyperparameters

Namespace: [Promezio.OAIAPICapabilities.FineTuning](#)

Assembly: OAIAPIC.dll








Represents the hyperparameters for a fine-tuning process in the Promezio OAIAPIC.

```
public class Hyperparameters
```

Inheritance

[object](#)  ← Hyperparameters

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#) 

Properties

Batch_size

The size of each batch during training, nullable. Uses [DecimalFromStringConverter](#) for JSON conversion.

```
[JsonConverter(typeof(DecimalFromStringConverter))]  
public decimal? Batch_size { get; set; }
```

Property Value

[decimal](#) ?

Represents the hyperparameters for a fine-tuning process in the Promezio OAIAPIC.

Learning_rate_multiplier

The learning rate multiplier for training, nullable. Uses [DecimalFromStringConverter](#) for JSON conversion.

```
[JsonConverter(typeof(DecimalFromStringConverter))]  
public decimal? Learning_rate_multiplier { get; set; }
```

Property Value

[decimal](#)[↗]?

Represents the hyperparameters for a fine-tuning process in the Promezio OAI API.

N_epochs

The number of epochs to run during training, nullable. Uses [DecimalFromStringConverter](#) for JSON conversion.

```
[JsonConverter(typeof(DecimalFromStringConverter))]  
public decimal? N_epochs { get; set; }
```

Property Value

[decimal](#)[↗]?

Represents the hyperparameters for a fine-tuning process in the Promezio OAI API.

Class Models

Namespace: [Promezio.OAIAPICapabilities.FineTuning](#)

Assembly: OAIAPIC.dll








Provides a collection of predefined AI model names and a method to validate model names. This class serves as a central repository for referencing different AI models supported by the Promezio OAIAPIC.

```
public static class Models
```

Inheritance

[object](#)  ← Models

Inherited Members

[object.Equals\(object\)](#)  , [object.Equals\(object, object\)](#)  , [object.GetHashCode\(\)](#)  , [object.GetType\(\)](#)  , [object.MemberwiseClone\(\)](#)  , [object.ReferenceEquals\(object, object\)](#)  , [object.ToString\(\)](#) 

Properties

BABBAGE_002

Represents the Babbage model, version 002.

```
public static string BABBAGE_002 { get; }
```

Property Value

[string](#) 

Provides a collection of predefined AI model names and a method to validate model names. This class serves as a central repository for referencing different AI models supported by the Promezio OAIAPIC.

DAVINCI_002

Represents the Davinci model, version 002.

```
public static string DAVINCI_002 { get; }
```

Property Value

[string](#)

Provides a collection of predefined AI model names and a method to validate model names. This class serves as a central repository for referencing different AI models supported by the Promezio OAI API.

GPT_3_5_TURBO_0613

Represents the GPT-3.5 Turbo model released in June 2023.

```
public static string GPT_3_5_TURBO_0613 { get; }
```

Property Value

[string](#)

Provides a collection of predefined AI model names and a method to validate model names. This class serves as a central repository for referencing different AI models supported by the Promezio OAI API.

GPT_3_5_TURBO_1106

Represents the GPT-3.5 Turbo model released in November 2023.

```
public static string GPT_3_5_TURBO_1106 { get; }
```

Property Value

[string](#)

Provides a collection of predefined AI model names and a method to validate model names. This class serves as a central repository for referencing different AI models supported by the Promezio OAI API.

GPT_4_0613

Represents the GPT-4 model released in June 2023.

```
public static string GPT_4_0613 { get; }
```

Property Value

[string](#) 

Provides a collection of predefined AI model names and a method to validate model names. This class serves as a central repository for referencing different AI models supported by the Promezio OAI API.

Methods

IsValid(string)

Validates whether a given model name corresponds to any of the predefined model names in this class.

```
public static bool IsValid(string model)
```

Parameters

model [string](#) 

The name of the model to validate.

Returns

[bool](#) 

True if the model name exists in the predefined models; otherwise, false.

Class TuningError


Namespace: [Promezio.OAIAPICapabilities.FineTuning](#)

Assembly: OAIAPIC.dll

Represents an error encountered during the fine-tuning process

```
public class TuningError
```

Inheritance

[object](#)  ← TuningError

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#) 

Properties

Code

Gets or sets the error code associated with the tuning error, if any. The code can be used to identify specific types of errors in a standardized manner.

```
public string? Code { get; set; }
```

Property Value

[string](#) 

Represents an error encountered during the fine-tuning process

Message

Gets or sets a message that describes the tuning error. This message is intended to be human-readable and may provide additional context or details about the nature of the error.

```
public string? Message { get; set; }
```

Property Value

[string](#) 

Represents an error encountered during the fine-tuning process

Param

Gets or sets the parameter name or identifier that is related to the error, if applicable. This can be useful for pinpointing the specific input or configuration setting that triggered the error.

```
public string? Param { get; set; }
```

Property Value

[string](#) 

Represents an error encountered during the fine-tuning process

Namespace Promezio.OAIAPICapabilities.

Speech

Classes

[Speech](#)

[SpeechResponse](#)

Represents the OpenAI API response for a chat completion request.

Structs

[ResponseFormat](#)

Represents predefined response format constants for audio output.

[Voice](#)

Represents predefined voice constants for use with audio services.

Struct ResponseFormat

Namespace: [Promezio.OAI.API.Capabilities.Speech](#)

Assembly: OAI.API.dll

Represents predefined response format constants for audio output.

```
public struct ResponseFormat
```

Inherited Members

[ValueType.Equals\(object\)](#), [ValueType.GetHashCode\(\)](#), [ValueType.ToString\(\)](#),
[object.Equals\(object, object\)](#), [object.GetType\(\)](#), [object.ReferenceEquals\(object, object\)](#)

Fields

AAC

```
public const string AAC = "aac"
```

Field Value

[string](#)

Represents predefined response format constants for audio output.

FLAC

```
public const string FLAC = "flac"
```

Field Value

[string](#)

Represents predefined response format constants for audio output.

MP3

```
public const string MP3 = "mp3"
```

Field Value

[string](#) 

Represents predefined response format constants for audio output.

OPUS

```
public const string OPUS = "opus"
```

Field Value

[string](#) 

Represents predefined response format constants for audio output.

Class Speech

Namespace: [Promezio.OAIAPICapabilities.Speech](#)








Assembly: OAIAPIC.dll

```
public class Speech : Capability
```

Inheritance

[object](#)  ← [Capability](#) ← Speech

Inherited Members

[Capability.serializerOptions](#) , [Capability.apikey](#) , [Capability.logger](#) , [object.Equals\(object\)](#)  , [object.Equals\(object, object\)](#)  , [object.GetHashCode\(\)](#)  , [object.GetType\(\)](#)  , [object.MemberwiseClone\(\)](#)  , [object.ReferenceEquals\(object, object\)](#)  , [object.ToString\(\)](#) 

Constructors

Speech(string, Logger)

```
public Speech(string apikey, Logger logger)
```

Parameters

apikey [string](#) 

logger [Logger](#)

Methods

Dispatch(string, string)

```
public Task<SpeechResponse?> Dispatch(string text, string outputFile)
```

Parameters

text [string](#)

outputFile [string](#)

Returns

[Task](#) <[SpeechResponse](#)>

Init(string, string, string, decimal)

```
public void Init(string model = "tts-1", string voice = "alloy", string responseFormat =  
"mp3", decimal speed = 1)
```

Parameters

model [string](#)

voice [string](#)

responseFormat [string](#)

speed [decimal](#)

Class SpeechResponse

Namespace: [Promezio.OAI.API.Capabilities.Speech](#)

Assembly: OAI.API.dll

Represents the OpenAI API response for a chat completion request.

```
public class SpeechResponse
```

Inheritance

[object](#)  ← SpeechResponse

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#) 

Properties

Error

```
public string? Error { get; set; }
```

Property Value

[string](#) 

Represents the OpenAI API response for a chat completion request.

Status

```
public bool Status { get; set; }
```

Property Value

[bool](#) 

Represents the OpenAI API response for a chat completion request.

Struct Voice

Namespace: [Promezio.OAI.API.Capabilities.Speech](#)

Assembly: OAI.API.dll

Represents predefined voice constants for use with audio services.

```
public struct Voice
```

Inherited Members

[ValueType.Equals\(object\)](#)[↗] , [ValueType.GetHashCode\(\)](#)[↗] , [ValueType.ToString\(\)](#)[↗] ,
[object.Equals\(object, object\)](#)[↗] , [object.GetType\(\)](#)[↗] , [object.ReferenceEquals\(object, object\)](#)[↗]

Fields

ALLOY

```
public const string ALLOY = "alloy"
```

Field Value

[string](#)[↗]

Represents predefined voice constants for use with audio services.

ECHO

```
public const string ECHO = "echo"
```

Field Value

[string](#)[↗]

Represents predefined voice constants for use with audio services.

FABLE

```
public const string FABLE = "fable"
```

Field Value

[string](#) 

Represents predefined voice constants for use with audio services.

ONYX

```
public const string ONYX = "onyx"
```

Field Value

[string](#) 

Represents predefined voice constants for use with audio services.

SHIMMER

```
public const string SHIMMER = "shimmer"
```

Field Value

[string](#) 

Represents predefined voice constants for use with audio services.

Namespace Promezio.OAIAPICapabilities. Transcription

Classes

[Transcription](#)

Represents a client for interacting with OpenAI audio API.

[TranscriptionResponse](#)

Encapsulates the response from an audio transcription request.

Class Transcription

Namespace: [Promezio.OAI.API.Capabilities.Transcription](#)

Assembly: OAI.API.dll








Represents a client for interacting with OpenAI audio API.

```
public class Transcription : Capability
```

Inheritance

[object](#)  ← [Capability](#)  ← Transcription

Inherited Members

[Capability.serializerOptions](#), [Capability.apikey](#), [Capability.logger](#), [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#) 

Constructors

Transcription(string, Logger)

Initializes a new instance of the Transcription class with the specified API key.

```
public Transcription(string apikey, Logger logger)
```

Parameters

apikey [string](#) 

The API key used for authentication with the service.

logger [Logger](#)

Represents a client for interacting with OpenAI audio API.

Methods

Dispatch(string)

Performs audio transcription on the provided audio URL.

```
public Task<TranscriptionResponse?> Dispatch(string audioURL)
```

Parameters

audioURL [string](#)

The URL of the audio file to transcribe.

Returns

[Task](#) <[TranscriptionResponse](#)>

A Task representing the asynchronous operation, with a TranscriptionResponse.

Init(decimal)

Initializes the transcription service with a specified temperature.

```
public void Init(decimal temperature = 0)
```

Parameters

temperature [decimal](#)

The temperature parameter used for processing, defaulting to 0.

Class TranscriptionResponse

Namespace: [Promezio.OAI.API.Capabilities.Transcription](#)

Assembly: OAI.API.dll

Encapsulates the response from an audio transcription request.

```
public class TranscriptionResponse
```

Inheritance

[object](#)  ← TranscriptionResponse

Inherited Members

[object.Equals\(object\)](#)  , [object.Equals\(object, object\)](#)  , [object.GetHashCode\(\)](#)  , [object.GetType\(\)](#)  , [object.MemberwiseClone\(\)](#)  , [object.ReferenceEquals\(object, object\)](#)  , [object.ToString\(\)](#) 

Constructors

TranscriptionResponse()

Encapsulates the response from an audio transcription request.

```
public TranscriptionResponse()
```

Properties

Error

```
public string? Error { get; set; }
```

Property Value

[string](#) 

Encapsulates the response from an audio transcription request.

Status

```
public bool Status { get; set; }
```

Property Value

[bool](#)

Encapsulates the response from an audio transcription request.

Text

```
public string? Text { get; set; }
```

Property Value

[string](#)

Encapsulates the response from an audio transcription request.

Namespace Promezio.OAIAPU.Utils

Classes

[JSONTools](#)

[Logger](#)

A Logger class that manages logging using TraceSource. It provides methods for logging messages at various severity levels: Error, Warning, Info. The logging level can be set to control which messages are output to the log.

[LowerCaseNamingPolicy](#)

Enums

[LogLevel](#)

Defines the logging levels supported by the Logger class.

Class JSONTools

Namespace: [Promezio.OAI.API.Utils](#)

Assembly: OAI.API.dll

```
public class JSONTools
```

Inheritance

[object](#)  ← JSONTools

Inherited Members

[object.Equals\(object\)](#)  , [object.Equals\(object, object\)](#)  , [object.GetHashCode\(\)](#)  , [object.GetType\(\)](#)  , [object.MemberwiseClone\(\)](#)  , [object.ReferenceEquals\(object, object\)](#)  , [object.ToString\(\)](#) 

Methods

IsValidJSON(string)

```
public static bool IsValidJSON(string strInput)
```

Parameters

strInput [string](#) 

Returns

[bool](#) 

Enum LogLevel

Namespace: [Promezio.OAI.API.Utils](#)

Assembly: OAI.API.dll

Defines the logging levels supported by the Logger class.

```
public enum LogLevel
```

Fields

Error = 1

Info = 3

None = 0

Warning = 2

Class Logger

Namespace: [Promezio.OAI.API.Utils](#)

Assembly: OAI.API.dll








A Logger class that manages logging using TraceSource. It provides methods for logging messages at various severity levels: Error, Warning, Info. The logging level can be set to control which messages are output to the log.

```
public class Logger
```

Inheritance

[object](#)  ← Logger

Inherited Members

[object.Equals\(object\)](#)  , [object.Equals\(object, object\)](#)  , [object.GetHashCode\(\)](#)  , [object.GetType\(\)](#)  , [object.MemberwiseClone\(\)](#)  , [object.ReferenceEquals\(object, object\)](#)  , [object.ToString\(\)](#) 

Constructors

Logger(LogLevel)

Initializes a new instance of the Logger class with a specified logging level.

```
public Logger(LogLevel level)
```

Parameters

level [LogLevel](#)

The logging level threshold. Only messages at this level or higher will be logged.

Properties

Level

```
public LogLevel Level { get; set; }
```

Property Value

[LogLevel](#)

A Logger class that manages logging using TraceSource. It provides methods for logging messages at various severity levels: Error, Warning, Info. The logging level can be set to control which messages are output to the log.

Methods

Close()

Closes the TraceSource and releases all resources.

```
public void Close()
```

Error(string)

Logs an error message.

```
public void Error(string message)
```

Parameters

message [string](#)

The message to log.

Info(string)

Logs an informational message.

```
public void Info(string message)
```

Parameters

message [string](#)

The message to log.

Warning(string)

Logs a warning message.

```
public void Warning(string message)
```

Parameters

message [string](#)

The message to log.

Class LowerCaseNamingPolicy

Namespace: [Promezio.OAI.API.Utils](#)

Assembly: OAI.API.dll

```
public class LowerCaseNamingPolicy : JsonNamingPolicy
```

Inheritance

[object](#) ← [JsonNamingPolicy](#) ← LowerCaseNamingPolicy

Inherited Members

[JsonNamingPolicy.CamelCase](#) , [JsonNamingPolicy.KebabCaseLower](#) ,
[JsonNamingPolicy.KebabCaseUpper](#) , [JsonNamingPolicy.SnakeCaseLower](#) ,
[JsonNamingPolicy.SnakeCaseUpper](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) ,
[object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Methods

ConvertName(string)

When overridden in a derived class, converts the specified name according to the policy.

```
public override string ConvertName(string name)
```

Parameters

name [string](#)

The name to convert.

Returns

[string](#)

The converted name.