

Boulez API

- GetCompletion

GetCompletion

This API, exposed by Boulez, allows a node to request a completion from other connected nodes through Boulez. By making a POST request to the API with a prompt, a unique request identifier, and a timestamp, the API returns a completion generated by the system with a unique response identifier and timestamp. The API uses HTTPS to ensure secure communication.

Name: GetCompletion

- Method: POST
- URL: `https://<hostname>/api/getcompletion`
- Content-Type: `application/json`
- Input:

```
{
  "prompt": "<prompt text>",
  "id": "<unique request identifier>", generate guid
  "timestamp": "<request date and time>"
}
```
- Output:

```
{
  "completion": "<completion text>",
  "id": "<unique response identifier>",
  "timestamp": "<response date and time>"
}
```
- Description: The GetCompletion API accepts POST requests in which a JSON object containing three parameters is passed:
 - **prompt**: a text string representing the prompt for completion. This parameter is required and cannot be empty.
 - **id**: a unique identifier of the request, generated by the external partner. This parameter is required and must be unique for each request.
 - **timestamp**: a string representing the date and time of the request, in ISO 8601 format. This parameter is required.

The API returns a JSON response containing three parameters:

- **completion**: a text string representing the completion generated by the system.
- **id**: a unique identifier of the response, generated by the system. This parameter is equal to the id of the request passed as input.
- **timestamp**: a string representing the date and time of the response, in ISO 8601 format.

Notes:

The GetCompletion API uses the HTTPS protocol to ensure the security of communications.

Node API

GetCompletion

In order for a node to integrate with Boulez, it must expose a web API that allows Boulez to verify if there is a completion for the requested prompt and what the accuracy of the response is. The GetCompletion API is specifically designed to fulfill this requirement, providing a secure and efficient method for Boulez to receive and process completion requests from connected nodes.

Name: GetCompletion

- Method: POST
- URL: `https://<hostname>/api/getcompletion`
- Content-Type: `application/json`
- Input:

```
{
    "prompt": "<prompt text>",
    "id": "<unique request identifier>",
    "timestamp": "<request date and time>"
}
```
- Output:

```
{
    "completion": "<completion text>",
    "id": "<unique response identifier>",
    "timestamp": "<response date and time>",
    "accuracy": "<completion accuracy>"
}
```
- Description: The GetCompletion API accepts POST requests containing a JSON object with three parameters:
 - **prompt**: a text string representing the prompt for completion. This parameter is mandatory and cannot be empty.
 - **id**: a unique identifier for the request, generated by the external partner. This parameter is mandatory and must be unique for each request.
 - **timestamp**: a string representing the date and time of the request, in ISO 8601 format. This parameter is mandatory.

The API returns a JSON response containing four parameters:

- **completion**: a text string representing the completion generated by the system.
- **id**: a unique identifier for the response, generated by the system. This parameter is the same as the id of the request passed as input.
- **timestamp**: a string representing the date and time of the response, in ISO 8601 format.
- **accuracy**: a numerical value representing the accuracy of the completion, expressed as a percentage.

The response from the API can be used by the external partner to process the data and integrate the completion generated by the system into their workflow.

Notes:

The GetCompletion API uses the HTTPS protocol to ensure communication security.

The accuracy parameter is calculated by the system based on various factors, such as the quality of the language model used to generate the completion and the semantic coherence of the returned text.

Name: Feedback

- Method: POST
 - URL: `https://<hostname>/api/feedback`
 - Content-Type: `application/json`
 - Input:

```
{  
    "completionId": "<unique completion identifier>",  
    "rating": "<-1, 0, +1>"  
}
```
 - Output:

```
{  
    "status": 0 or -1  
}
```
 - Description: The Feedback API accepts POST requests in which a JSON object containing two parameters is passed:
 - **completionId**: a unique identifier of the completion, generated by the system. This parameter is required and must be valid.
 - **rating**: an integer value representing the rating of the completion, where -1 indicates an incorrect or inadequate response, 0 indicates a neutral or partially adequate response, and +1 indicates a correct or highly adequate response. This parameter is required.
- The API returns a JSON response containing one parameter:
- **status**: it is an integer value indicating the status of the operation, with 0 representing success and -1 representing an error

Notes:

The Feedback API uses the HTTPS protocol to ensure the security of communications.