# **Amplify API Documentation**

Bearer Token Auth Required: Bearer amp-token

**Base\_URL: https://<Your\_URL>**

## **Endpoint: {Base\_URL}/available\_models (GET)**

View a list of available models, including id, name, descriptions, context window size, output token limit, provider, support of base-64 encoded images as data source input, support of system prompts, and any additional system prompts Amplify appends to the model.

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| --- | --- |
| Expected Data | Responses |
| N/A | **200:** List of available models and Amplify’s set default, cheapest, and advanced models. Content: application/json  **models** (list of model objects)  **default** (object)  **cheapest** (object)   **advanced** (object) |
| Example Body | Example Response |
| N/A | {  "success": true,  "data": {  "models": [  {"id": "gpt-4o-mini",  "name": "GPT-4o-mini",  "description": "Consider it for its ability to output longer responses and deliver rapid replies with advanced comprehension. GPT-4o Mini is OpenAI’s most cost-efficient small model. Trained on information available through October 2023.",  "inputContextWindow": 128000,  "outputTokenLimit": 16384,  "supportsImages": true,  "provider": "Azure",  “supportsSystemPrompts”:true,  “systemPrompt”: “Additional prompt”  }],  "default”: <model Object>,  "advanced<model Object>,  "cheapest": <model Object> }  } |

## **Endpoint: {Base\_URL}/chat (POST)**

Offers real-time chat capabilities exclusively through streaming. Interact with a selection of the most advanced AI chat models available, including GPT, Claude, and Mistral.

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| Expected Data | Responses |
| **temperature** (number) **max\_tokens** (integer) **dataSources** (array of strings)  - strings represent the data source Ids. Obtain data source ids in the following ways:   1. Call the /files/query endpoint. 2. Upload a new data source using the /files/upload endpoint, the id is returned as the key attribute.   **messages** (array of objects):  - **role** (string): Required.  Options include:  - system  - assistant  - user.  - **content** (string): Required. **type** (string): Options include prompt. **options** (object):  - **dataSourceOptions** (object)  - **ragOnly** (boolean)  - **skipRag** (boolean)  - **assistantId** (string)  - **model** (object) Required. To get model Ids, make a request to the /available\_models endpoint:  - **id** (string)  - **prompt** (string) | **200:** Chat stream response. Content: application/json  **success** (boolean)  **message** (string)  **data** (string) **400:** Bad request, invalid or missing fields. **401:** Unauthorized, invalid authentication credentials. **403:** Forbidden, request refused. **404:** Not found, resource not found. |
| Example Body | Example Response |
| {  "data":{  "temperature": 0.7,  "max\_tokens": 4000,  "dataSources": [“user@vanderbilt.edu/l80.json”],  "messages": [  {  "role": "user",  "content": "What is the capital of France?"  }  ],  "options": {  "ragOnly": false,  "skipRag": true,  "model": {“id”: "gpt-4o"},  "prompt": "What is the capital of France?",  “assistantId”:”astp/abcdefghi”  }  } } | {  "success": true,  "message": "Chat completed successfully",  "data": "The capital of France is Paris." } |

## **Endpoint: {Base\_URL}/state/share (GET)**

View a list of shared resources, including assistants, conversations, and organizational folders, distributed by other Amplify platform users

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| Expected Data | Responses |
| N/A | **200:** List of shared data records. Content: application/json  **sharedBy** (string)  **note** (string)  **sharedAt** (string, date-time)   **key** (string) |
| Example Body | Example Response |
| N/A | [{  "note": "testing share wit a doc ",  "sharedAt": 1720714099836,  "key": "yourEmail@vanderbilt.edu/sharedByEmail@vanderbilt.edu/932804035837948202934805-24382.json",  "sharedBy": "sharedByEmail@vanderbilt.edu"  }], |

## **Endpoint: {Base\_URL}/state/share/load (POST)**

Once the shared data is accessed, individual elements can be retrieved and examined using a unique identifier key associated with each entry in the shared resource list.

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| --- | --- |
| Expected Data | Responses |
| **key** (string): Required. | **200:** Shared data loaded successfully. Content: application/json  <**exportSchema**> **401:** User does not have access to the share functionality. **404:** Data not found. |
| Example Body | Example Response |
| {  "data": {  "key": "yourEmail@vanderbilt.edu/sharedByEmail@vanderbilt.edu/9324805-24382.json"  } } | {  "version": 1,  "prompts": [  {  "id": "ast/7b32fc3f-fe93-4026-b358-0e286e4a6013",  "name": "share item 1  "content": "<content>",  "data": {  "assistant": {  "definition": {  "instructions": "<instructions>",  "user": "sampleUser@vanderbilt.edu",  "dataSources": [{"name": "file\_name.csv"}],  "name": "share item i   }  },  "provider": "amplify",  "noCopy": true,  "noEdit": true,  "noDelete": true,  "noShare": true ...<More Data>... |

## **Endpoint: {Base\_URL} /files/upload (POST)**

Initiate a file upload to the Amplify platform, enabling interaction via prompts and assistants. The endpoint generates and returns a time-limited, pre-authenticated URL, facilitating secure transmission of file contents.

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| Expected Data | Responses |
| **name** (string): Required.  Options include:  - saveAsData  - createChunks  - ingestRag  - makeDownloadable  - extractText **params** (object) **type** (string): Required. **name** (string): Required. **knowledgeBase** (string): Required. **tags** (array of strings): Required. **data** (object): Required. | **200:** File upload process initiated or completed successfully. Content: application/json  **success** (boolean)  **uploadUrl** (string, nullable)  **statusUrl** (string, nullable)  **contentUrl** (string, nullable)  **metadataUrl** (string, nullable)  **key** (string, nullable) **400:** Bad request, incorrect or missing parameters. **401:** User does not have access to the file upload functionality. |
| Example Body | Example Response |
| {  "data":{  "type": "application/fileExtension",  "name": "fileName.pdf",  "knowledgeBase": "default",  "tags": [],  "data": {}  }} | {  "success": true,  "uploadUrl": "<uploadUrl>",  "statusUrl": "<statusUrl>",  "contentUrl": "<contentUrl>",  "metadataUrl": "<metadataUrl>",  "key": "yourEmail@vanderbilt.edu/date/293088.json" } |

## **Endpoint: {Base\_URL} /files/query (POST)**

View a list of uplaoded Amplify data sources.

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| Expected Data | Responses |
| **startDate** (string, date-time):  Default is 2021-01-01T00:00:00Z. **pageSize** (integer):  Default is 10. **pageKey** (object):  - **id** (string)  - **createdAt** (string)  - **type** (string) **namePrefix** (string or null)  **createdAtPrefix** (string or null) **typePrefix** (string or null) **types** (array of strings):  Default is an empty array. **tags** (array of strings):  Default is an empty array. **pageIndex** (integer):  Default is 0. **forwardScan** (boolean):  Default is false. **sortIndex** (string):  Default is createdAt. | **200:** Returns a list of files that match the query criteria. Content: application/json  **success** (boolean)  **data** (object)  **items** (array of objects)  **pageKey** (object): Key to retrieve the next page of results |
| Example Body | Example Response |
| {  "data":{  "pageSize": 2,  "sortIndex": "",  "forwardScan": false  } } | {  "success": true,  "data": {  "items": [  {  "createdAt": "2024-07-15T17:12:45.046682",  "updatedBy": "yourEmail@vanderbilt.edu",  "createdBy": "yourEmail@vanderbilt.edu",  "name": "fileName.doc",  "knowledgeBase": "default",  "data": {},  "updatedAt": "2024-07-15T17:12:45.046700",  "totalTokens": 12644,  "dochash": "25ef6a3e472d8dbe501915c1",  "id":  "yourEmail@vanderbilt.edu/date/2389020943.json",  "tags": [],  "totalItems": 1025,  "type": "application/fileExtension"  } ] } } |

## **Endpoint: {Base\_URL}/files/tags/list (GET)**

View a list of your Amplify tags that can be tied to your data sources, conversations, and assistants.

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| Expected Data | Responses |
| N/A | **200:** A list of tags. Content: application/json  **success** (boolean)  **data** (object)  **tags** (array of strings) |
| Example Body | Example Response |
| N/A | {  "success": true,  "data": {  "tags": [  "NewTag"  ]}} |

## **Endpoint: {Base\_URL}/files/tags/create (POST)**

Create new Amplify tags that can be tied to your data sources, conversations, and assistants.

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| Expected Data | Responses |
| **tags** (array of strings): Default is an empty array. | **200:** Result of tag creation. Content: application/json  **success** (boolean)  **message** (string) |
| Example Body | Example Response |
| {  "data": {  "tags": ["NewTag"]  } } | {  "success": true,  "message": "Tags added successfully" } |

## **Endpoint: {Base\_URL}/files/tags/delete (POST)**

Delete an Amplify tag.

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| Expected Data | Responses |
| **tag** (string): Required. | **200:** Result of tag deletion. Content: application/json  **success** (boolean)  **message** (string) |
| Example Body | Example Response |
| {  "data":{  "tag": "NewTag"  } } | {  "success": true,  "message": "Tag deleted successfully" } |

## **Endpoint: {Base\_URL}/files/set\_tags (POST)**

Associate an Amplify tag with a specific data source, conversation, or assistant.

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| Expected Data | Responses |
| **id** (string): Required. **tags** (array of strings): Default is an empty array. | **200:** Result of setting file tags. Content: application/json  **success** (boolean)  **message** (string) |
| Example Body | Example Response |
| {  "data":{  "id": "yourEmail@vanderbilt.edu/date/290208.json",  "tags": ["NewTag"]  } } | {  "success": true,  "message": "Tags updated and added to user" } |

## **Endpoint: {Base\_URL}/embedding-dual-retrieval (POST)**

Retrieve Amplify data source embeddings based on user input through dual retrieval method.

|  |  |
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| Expected Data | Responses |
| **userInput** (string): Required. **dataSources** (array of strings): Required.  - id(string): global key **limit** (integer) | **200:** A list of documents related to the user input. Content: application/json  **result** (array) |
| Example Body | Example Response |
| {  "data" : {  "userInput":"Can you describe the policies outlined in the document?",  "dataSources": ["global/09342589234890.content.json"],  "limit": 10  } } | {  "rH12esult": [  {  "content": "xmlns:w=3D'urn:schemas-microsoft-com:office:word' ...",  "file": "global/24059380341.content.json",  "line\_numbers": [15-30],  "score": 0.7489801645278931  },  {  "content": "Date: Wed, 8 May 2024 17:45:21 +0000 (UTC)  ...",  "file": "global/0934498492349.content.json",  "line\_numbers": [1-11],  "score": 0.7464098930358887  },  ] } |

## **Endpoint: {Base\_URL}/assistant/list (GET)**

Retrieve a list of all Amplify assistants.

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| --- | --- |
| Expected Data | Responses |
| N/A | **200:** List of assistants retrieved successfully. Content: application/json  **success** (boolean)  **message** (string)  **data** (array) |
| Example Body | Example Response |
| N/A | {  "success": true,  "message": "Assistants retrieved successfully",  "data": [  {  "assistantId": "astp/498370528-38594",  "version": 3,  "instructions": "<instructions>",  "disclaimerHash": "348529340098580234959824580-pueiorupo4",  "coreHash": "eiouqent84832n8989pdeer",  "user": "yourEmail@vanderbilt.edu",  "uri": null,  "createdAt": "2024-07-15T19:07:57",  "dataSources": [  {  "metadata": "<metadata>",  "data": "",  "name": "api\_documentation.yml",  "raw": "",  "id": "global/7834905723785897982345088927.content.json",  "type": "application/x-yaml", ...<More Data>... |

## **Endpoint: {Base\_URL}/assistant/share (POST)**

Share an Amplify assistant with other Amplify users.

|  |  |
| --- | --- |
| Expected Data | Responses |
| **assistantId** (string): Required. **recipientUsers (**array of strings): Required. **note** (string) | **200:** Assistant sharing response. Content: application/json  success (boolean)  message (string) |
| Example Body | Example Response |
| {  "data":{  "assistantId": "ast/8934572093982034020-9",  "recipientUsers": ["yourEmail@vanderbilt.edu"],  "note": "check this out!"  } } | {  "success": false,  "message": "Unable to share with some users",  "failedShares": [  "yourEmail@vanderbilt.edu"  ] } |

## **Endpoint: {Base\_URL}/assistant/create (POST)**

Create or update a customizable Amplify assistant.

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| Expected Data | Responses | |
| **name (**string): Required. **description** (string): Required. **assistantId** (string):  Needed if updating an existing assistant.  We will provide you with one if creating a new assistant **tags** (array of strings): Required. **instructions** (string): Required. **disclaimer** (string) **uri** (string or null) **dataSources** (array of objects): Required.  - Entire Data Source object **dataSourceOptions** (array of objects):  - **insertAttachedDocumentsMetadata** (boolean)  Includes Attached Data Source Metadata in Prompt  - **insertAttachedDocuments** (boolean)  Includes Attached Documents in Prompt  - **insertConversationDocuments** (boolean)  Includes Conversation Documents in Prompt  - **disableDataSource**s (boolean)  Disable Data Source Insertion  - **insertConversationDocumentsMetadata** (boolean)  Include Conversation Data Source Metadata in Prompt  - **ragConversationDocuments** (boolean)  Include Conversation Documents in RAG  - **ragAttachedDocuments** (boolean)  Include Attached Documents in RAG | **200:** Assistant creation response. Content: application/json  **success** (boolean)  **message** (string)  **data** (object) | |
| Example Body | Example Response | |
| {  "data": {  "name": "Sample Assistant 3",  "description": "This is a sample assistant for demonstration purposes",  "assistantId": "",  "tags": ["test"],  "instructions": "Respond to user queries about general knowledge topics",  "disclaimer": "This assistant's responses are for informational purposes only",  "dataSources": [{'id': 'e48759073324384kjsf', 'name': 'api\_paths\_summary.csv', 'type': 'text/csv', 'raw': '', 'data': '', 'key': 'yourEmail@vanderbilt.edu/date/w3ou009we3.json ', 'metadata': {'name': 'api\_paths\_summary.csv', 'totalItems': 20, 'locationProperties': ['row\_number'], 'contentKey': 'yourEmail@vanderbilt.edu/date/w3ou009we3.json.content.json', 'createdAt': '2024-07-15T18:58:24.912235', 'totalTokens': 3750, 'tags': [], 'props': {}}}],  "tools": []  } } | {  "success": true,  "message": "Assistant created successfully",  "data": {  "assistantId": "astp/3io4u5ipy34jkelkdfweiorwur",  "id": "ast/03uio3904583049859482",  "version": 1  } } | |
|  |  |  | |

## **Endpoint: {Base\_URL}/assistant/delete (POST)**

Delete an Amplify assistant.

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| --- | --- |
| Expected Data | Responses |
| **assistantId** (string): Required. | **200:** Assistant deletion response. Content: application/json  **success** (boolean)  **message** (string) |
| Example Body | Example Response |
| {  "data":{  "assistantId": "astp/3209457834985793094"  } } | {  "success": true,  "message": "Assistant deleted successfully." } |

## **Endpoint: {Base\_URL}/assistant/create/codeinterpreter (POST)**

Create a new Code Interpreter Assistant

|  |  |
| --- | --- |
| Expected Data | Responses |
| **name** (string): Required. **description** (string): Required. **tags** (array of strings): Required. **instructions** (string): Required. **dataSources** (array of strings): Required  - id (string): starts with your email (find these by doing a file query call) | **200:** Response for creating a code Interpreter assistant. Content: application/json  **success** (boolean)  **message** (boolean)  **data** (object):  - **assitantId** (string)  - **provider** (string) |
| Example Body | Example Response |
| {  "data":{  "name": "Data Analysis Assistant",  "description": "An AI assistant specialized in data analysis and visualization",  "tags": ["data analysis"],  "instructions": "Analyze data files, perform statistical operations, and create visualizations as requested by the user",  "dataSources": ["yourEmail@vanderbilt.edu/2024-05-08/0f20f0447b.json"]  "fileKeys": [],  "tools": [{"type": "code\_interpreter"}]  } } | {  "success": true,  "message": "Assistant created successfully",  "data": {  "assistantId": "yourEmail@vanderbilt.edu/ast/373849029843"  } } |

## **Endpoint: {Base\_URL}/assistant/chat/codeinterpreter (POST)**

Establishes a conversation with Code Interpreter, returning a unique thread identifier, that contains your ongoing conversation. Subsequent API calls can utilize this thread ID to append only your new messages to the existing conversation.

|  |  |
| --- | --- |
| Expected Data | Responses |
| **assistantId** (string): Required **threadId** (string) **messages** (array of objects): Required  - **role** (string): Required,  Options include:  - user  - assistant  - **content** (string): Required  - **dataSourceIds** (list of strings): Required  - id (string): starts with your email (find these by doing a file query call) | **200:** Returns the chat response from the Code Interpreter assistant.  Content: application/json  **success** (boolean)  **message** (string)  **data** (object):  - **data** (object):  - **threadId** (string)  - **role** (string)  - **textContent** (string)  - **content** (array of objects):  - **type** (string)  - **values** (object):  - **file\_key** (string)  - **presigned\_url** (string)  - **file\_key\_low\_res** (string)  - **presigned\_url\_low\_res** (string)  - **file\_size** (int) |
| Example Body | Example Response |
| { "data": {  "assistantId": "yourEmail@vanderbilt.edu/ast/439290398",  "messages": [  { "role": "user",  "content" : "Can you tell me something about the data analytics and what you are able to do?",  "dataSourceIds" : ["yourEmail@vanderbilt.edu/2024-05-08/0f20f0447b.json"]  }  ]  } } | {  "success": true,  "message": "Chat completed successfully",  "data": {  "threadId": "yourEmail@vanderbilt.edu/thr/442309eb-0772-42d0-b6ef-34e20ee2355e",  "role": "assistant",  "textContent": "I've saved the generated pie chart as a PNG file. You can download it using the link below:\n\n[Download Ice Cream Preferences Pie Chart](sandbox:/mnt/data/ice\_cream\_preferences\_pie\_chart.png)\n",  "content": [  {  "type": "image/png",  "values": {  "file\_key": "yourEmail@vanderbilt.edu/msg\_P0lpFUEY \_pie\_chart.png ",  "presigned\_url": "https://vu-amplify-assistants-dev-code-interpreter-files.s3.amazonaws.com/...",  "file\_size": 149878  }  }  ]  }  } |

## **Endpoint: {Base\_URL}/assistant/files/download/codeinterpreter (POST)**

Download Code Interpreter generated files via pre-authenticated URL

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| Expected Data | Responses |
| **key** (string): Required. **fileName** (string): Not required, will automatically download if given the specific file name | **200:** File download for Code Interpreter. Content: application/json  **success** (boolean)  **downloadUrl**(boolean) |
| Example Body | Example Response |
| {  "data": {  "key": " yourEmail@vanderbilt.edu/msg\_P0lpFUEY \_pie\_chart.png "  } } | {  "success": true,  "downloadUrl": "<Download URL>" } |

## **Endpoint: {Base\_URL}/assistant/openai/thread/delete (DELETE)**

Delete a thread, deleting your existing conversation with code interpreter

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| --- | --- | --- |
| Query Parameters | | Responses |
| **threadId** | | **200:**  Content: application/json  **success** (boolean)  **message** (string) |
| Example URL Parameter | | Example Response |
| ?threadId=yourEmail@vanderbilt.edu/thr/8923420 | {  "success": true,  "message": "Thread deleted successfully" } | |

## **Endpoint: {Base\_URL}/assistant/openai/delete (DELETE)**

Delete a code inerpreter assistant instance

|  |  |
| --- | --- |
| Query Parameters | Responses |
| **assistantId** | **200:**  Content: application/json  **success** (boolean)  **message** (string) |
| Example URL Parameter | Example Response |
| ?assistantId=yourEmail@vanderbilt.edu/ast/386233 | {  "success": true,  "message": "Assistant deleted successfully" } |