Amplify API Documentation

Bearer Token Auth Required: Bearer amp-token

Base_URL: https://prod-api.vanderbilt.ai

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.

Expected Data	Responses

model (string): Required.
  Options include:
    - gpt-35-turbo, gpt-4o, gpt-4o-mini,
    - gpt-4-1106-Preview
    - anthropic.claude-3-haiku-20240307-v1:0
    - anthropic.claude-3-5-sonnet-20240620-v1:0
    - anthropic.claude-3-opus-20240229-v1:0
    - mistral.mistral-7b-instruct-v0:2
    - mistral.mixtral-8x7b-instruct-v0:1
    - mistral.mistral-large-2402-v1:0
temperature (number)
max_tokens (integer)
dataSources (array of objects)
  - **id** (string): Required.
  - **type** (string): Required.
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):
    - **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":{
        "model": "gpt-4o",
        "temperature": 0.7,
        "max_tokens": 150,
        "dataSources": [{
          "id":
    "s3://user@vanderbilt.edu/l80.json",
          "type": "application/pdf"
      }],
    "messages": [
      {
      "role": "user",
      "content": "What is the capital of
France?"
      }
    ],
    "options": {
      "ragOnly": false,
      "skipRag": true,
      "model": ["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

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/9328

| | 04035837948202934805-24382.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.

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.

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.

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 (POST)

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

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

{
   "data": {}
}
	{
	   "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.

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.

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.

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.

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.

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": "34852934009858023 4959824580-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/78349057237858979823450889 27.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.

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 ',
	{
	   "success": true,
	   "message": "Assistant created successfully",
	   "data": {
	     "assistantId": "astp/3io4u5ipy34jkelkdfweiorwur",
	     "id": "ast/03uio3904583049859482",
	     "version": 1
	   }
	}

'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": []
   }
}

Endpoint: {Base_URL}/assistant/delete (POST)

Delete an Amplify assistant.

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
	{
	   "success": true,
	   "message": "Assistant created successfully",
	   "data": {

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"}]
   }
}
	"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",
	{
	  "success": true,
	  "message": "Chat completed successfully",
	  "data": {

        "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"]
        }
    ]
  }
}

      "threadId":
"yourEmail@vanderbilt.edu/thr/442
309eb-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_crea
m_preferences_pie_chart.png)\n",
    "content": [
     {
      "type": "image/png",
      "values": {
       "file_key":
"yourEmail@vanderbilt.edu/msg_P0
lpFUEY _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

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": "
	{
	  "success": true,

yourEmail@vanderbilt.edu/msg_P0lpFUEY _pie_chart.png " } }	"downloadUrl": "<Download URL>" }

Endpoint: {Base_URL}/assistant/openai/thread/delete (DELETE)

Delete a thread, deleting your existing conversation with code interpreter

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"
	}