

Amplify API Documentation

Bearer Token Auth Required: Bearer amp-token

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

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.

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	<pre>{ "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> } }</pre>

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
<p>temperature (number)</p> <p>max_tokens (integer)</p> <p>dataSources (array of strings)</p> <ul style="list-style-type: none">- strings represent the data source Ids. Obtain data source ids in the following ways: <ol style="list-style-type: none">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. <p>messages (array of objects):</p> <ul style="list-style-type: none">- role (string): Required. <p>Options include:</p> <ul style="list-style-type: none">- system- assistant- user. <ul style="list-style-type: none">- content (string): Required. <p>type (string): Options include prompt.</p> <p>options (object):</p> <ul style="list-style-type: none">- dataSourceOptions (object)- ragOnly (boolean)- skipRag (boolean)- assistantId (string)- model (object) Required. To get model Ids, make a request to the /available_models endpoint: <ul style="list-style-type: none">- id (string)- prompt (string)	<p>200: Chat stream response. Content: application/json</p> <p>success (boolean)</p> <p>message (string)</p> <p>data (string)</p> <p>400: Bad request, invalid or missing fields.</p> <p>401: Unauthorized, invalid authentication credentials.</p> <p>403: Forbidden, request refused.</p> <p>404: Not found, resource not found.</p>
Example Body	Example Response
<pre>{ "data": { "temperature": 0.7, "max_tokens": 4000, "dataSources": ["user@vanderbilt.edu/l80.json"], "messages": [{ "role": "user",</pre>	<pre>{ "success": true, "message": "Chat completed successfully", "data": "The capital of France is Paris." }</pre>

<pre> "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" } } } </pre>	
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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	<pre> [{ "note": "testing share wit a doc ", "sharedAt": 1720714099836, "key": "yourEmail@vanderbilt.edu/sharedByEmail@vanderbilt.edu/9328 04035837948202934805-24382.json", "sharedBy": "sharedByEmail@vanderbilt.edu" }], </pre>

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
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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
<pre>{ "data": { "key": "yourEmail@vanderbilt.edu/sharedByEmail@vanderbilt.edu/9324805-24382.json" } }</pre>	<pre>{ "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 } }] }</pre> ...<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
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<p>name (string): Required. Options include:</p> <ul style="list-style-type: none"> - saveAsData - createChunks - ingestRag - makeDownloadable - extractText <p>params (object)</p> <p>type (string): Required.</p> <p>name (string): Required.</p> <p>knowledgeBase (string): Required.</p> <p>tags (array of strings): Required.</p> <p>data (object): Required.</p>	<p>200: File upload process initiated or completed successfully. Content: application/json</p> <p>success (boolean)</p> <p>uploadUrl (string, nullable)</p> <p>statusUrl (string, nullable)</p> <p>contentUrl (string, nullable)</p> <p>metadataUrl (string, nullable)</p> <p>key (string, nullable)</p> <p>400: Bad request, incorrect or missing parameters.</p> <p>401: User does not have access to the file upload functionality.</p>
Example Body	Example Response
<pre>{ "data": { "type": "application/fileExtension", "name": "fileName.pdf", "knowledgeBase": "default", "tags": [], "data": {} } }</pre>	<pre>{ "success": true, "uploadUrl": "<uploadUrl>", "statusUrl": "<statusUrl>", "contentUrl": "<contentUrl>", "metadataUrl": "<metadataUrl>", "key": "yourEmail@vanderbilt.edu/date/293088.json" }</pre>

Endpoint: {Base_URL} /files/query (POST)

View a list of uploaded Amplify data sources.

Expected Data	Responses
<p>startDate (string, date-time): Default is 2021-01-01T00:00:00Z.</p> <p>pageSize (integer): Default is 10.</p> <p>pageKey (object):</p> <ul style="list-style-type: none">- id (string)- createdAt (string)- type (string) <p>namePrefix (string or null)</p> <p>createdAtPrefix (string or null)</p> <p>typePrefix (string or null)</p> <p>types (array of strings): Default is an empty array.</p> <p>tags (array of strings): Default is an empty array.</p> <p>pageIndex (integer): Default is 0.</p> <p>forwardScan (boolean): Default is false.</p> <p>sortIndex (string): Default is createdAt.</p>	<p>200: Returns a list of files that match the query criteria. Content: application/json</p> <p>success (boolean)</p> <p>data (object)</p> <p>items (array of objects)</p> <p>pageKey (object): Key to retrieve the next page of results</p>
Example Body	Example Response
<pre>{ "data": { "pageSize": 2, "sortIndex": "", "forwardScan": false } }</pre>	<pre>{ "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":</pre>

	<pre>"yourEmail@vanderbilt.edu/date/2389020943.json", "tags": [], "totalItems": 1025, "type": "application/fileExtension" }] } }</pre>
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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.

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	<pre>{ "success": true, "data": { "tags": ["NewTag"] } }</pre>

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
<pre>{ "data": { "tags": ["NewTag"] } }</pre>	<pre>{ "success": true, "message": "Tags added successfully" }</pre>

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
<pre>{ "data": { "tag": "NewTag" } }</pre>	<pre>{ "success": true, "message": "Tag deleted successfully" }</pre>

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
<pre>{ "data": { "id": "yourEmail@vanderbilt.edu/date/290208.json", "tags": ["NewTag"] } }</pre>	<pre>{ "success": true, "message": "Tags updated and added to user" }</pre>

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
<pre>{ "data" : { "userInput": "Can you describe the policies outlined in the document?", "dataSources": ["global/09342589234890.content.json"], "limit": 10 } }</pre>	<pre>{ "rH12result": [{ "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 },] }</pre>

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	<pre>{ "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, </pre>

	<pre>"createdAt": "2024-07-15T19:07:57", "dataSources": [{ "metadata": "<metadata>", "data": "", "name": "api_documentation.yml", "raw": "", "id": "global/7834905723785897982345088927.content.j son", "type": "application/x-yaml", ...<More Data>...</pre>
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Endpoint: {Base_URL}/assistant/share (POST)

Share an Amplify assistant with other Amplify users.

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

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

Create or update a customizable Amplify assistant.

Expected Data	Responses
<p>name (string): Required.</p> <p>description (string): Required.</p> <p>assistantId (string): Needed if updating an existing assistant. We will provide you with one if creating a new assistant</p> <p>tags (array of strings): Required.</p> <p>instructions (string): Required.</p> <p>disclaimer (string)</p> <p>uri (string or null)</p> <p>dataSources (array of objects): Required.</p> <ul style="list-style-type: none">- Entire Data Source object <p>dataSourceOptions (array of objects):</p> <ul style="list-style-type: none">- insertAttachedDocumentsMetadata (boolean) Includes Attached Data Source Metadata in Prompt- insertAttachedDocuments (boolean) Includes Attached Documents in Prompt- insertConversationDocuments (boolean) Includes Conversation Documents in Prompt- disableDataSources (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	<p>200: Assistant creation response. Content: application/json</p> <p>success (boolean)</p> <p>message (string)</p> <p>data (object)</p>
Example Body	Example Response
<pre>{ "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 ',</pre>	<pre>{ "success": true, "message": "Assistant created successfully", "data": { "assistantId": "astp/3io4u5ipy34jkelkdfweiorw ur", "id": "ast/03uio3904583049859482", "version": 1 } }</pre>

<pre>'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": [] } }</pre>	
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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
<pre>{ "data": { "assistantId": "astp/3209457834985793094" } }</pre>	<pre>{ "success": true, "message": "Assistant deleted successfully." }</pre>

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): - assistantId (string) - provider (string)
Example Body	Example Response
<pre>{ "data": { "name": "Data Analysis Assistant", "description": "An AI assistant"</pre>	<pre>{ "success": true, "message": "Assistant created successfully", "data": {</pre>

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" } }
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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": {

<pre>"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"] }] } }</pre>	<pre>"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 } }] }</pre>
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Endpoint: {Base_URL}/assistant/files/download/codeinterpreter (POST)

Download Code Interpreter generated files via pre-authenticated URL

Expected Data	Responses
<p>key (string): Required.</p> <p>fileName (string): Not required, will automatically download if given the specific file name</p>	<p>200: File download for Code Interpreter. Content: application/json</p> <p>success (boolean)</p> <p>downloadUrl(boolean)</p>

Example Body	Example Response
<pre>{ "data": { "key": " yourEmail@vanderbilt.edu/msg_P0lpFUEY _pie_chart.png " } }</pre>	<pre>{ "success": true, "downloadUrl": "<Download URL>" }</pre>

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	<pre>{ "success": true, "message": "Thread deleted successfully" }</pre>

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	<pre>{ "success": true, "message": "Assistant deleted successfully" }</pre>