**Endpoint: /chat (POST)**

* Description: 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 for /chat
  + model (string): Required. Options include: gpt-35-turbo, gpt-4o, various versions of anthropic.claude, and mistral models.
  + temperature (number)
  + max\_tokens (integer)
  + dataSources (array of strings)
  + messages (array of objects): Required fields include role (system, assistant, user) and content.
* Example Body for /chat

{  
 "data": {  
 "model": "gpt-4o",  
 "temperature": 0.7,  
 "max\_tokens": 150,  
 "dataSources": [],  
 "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?"  
 }  
 }  
}

* Responses for /chat
  + 200: Chat stream response.
  + 400: Bad request invalid or missing fields.
  + 401: Unauthorized invalid authentication credentials.
  + 403: Forbidden request refused.
  + 404: Not found resource not found.
* Example Response for /chat

{  
 "success": true,  
 "message": "Chat completed successfully",  
 "data": "The capital of France is Paris."  
}

**Endpoint: /state/share (GET)**

* Description: View a list of shared resources including assistants, conversations, and organizational folders distributed by other Amplify platform users.
* Expected Data for /state/share
  + N/A
* Example Body for /state/share
  + N/A
* Responses for /state/share
  + 200: List of shared data records.
* Example Response for /state/share

[  
 {  
 "note": "testing share with a doc",  
 "sharedAt": 1720714099836,  
 "key": "[yourEmail@vanderbilt.edu/sharedByEmail@vanderbilt.edu/932804035837948202934805-24382.json](mailto:yourEmail@vanderbilt.edu/sharedByEmail@vanderbilt.edu/932804035837948202934805-24382.json)",  
 "sharedBy": "[sharedByEmail@vanderbilt.edu](mailto:sharedByEmail@vanderbilt.edu)"  
 }  
]

**Endpoint: /state/share/load (POST)**

* Description: 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 for /state/share/load
  + key (string): Required.
* Example Body for /state/share/load

{  
 "data": {  
 "key": "[yourEmail@vanderbilt.edu/sharedByEmail@vanderbilt.edu/9324805-24382.json](mailto:yourEmail@vanderbilt.edu/sharedByEmail@vanderbilt.edu/9324805-24382.json)"  
 }  
}

* Responses for /state/share/load
  + 200: Shared data loaded successfully.
  + 401: User does not have access to the share functionality.
  + 404: Data not found.
* Example Response for /state/share/load

{  
 "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](mailto:sampleUser@vanderbilt.edu)",  
 "dataSources": [{"name": "file\_name.csv"}],  
 "name": "share item i"  
 }  
 },  
 "provider": "amplify",  
 "noCopy": true,  
 "noEdit": true,  
 "noDelete": true,  
 "noShare": true  
 }  
 }  
 ]  
}

**Endpoint: /assistant/files/upload (POST)**

* Description: 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 for /assistant/files/upload
  + name (string): Required.
  + params (object)
  + type (string): Required.
  + knowledgeBase (string): Required.
  + tags (array of strings): Required.
  + data (object): Required.
* Example Body for /assistant/files/upload

{  
 "data": {  
 "type": "application/fileExtension",  
 "name": "fileName.pdf",  
 "knowledgeBase": "default",  
 "tags": [],  
 "data": {}  
 }  
}

* Responses for /assistant/files/upload
  + 200: File upload process initiated or completed successfully.
  + 400: Bad request incorrect or missing parameters.
  + 401: User does not have access to the file upload functionality.
* Example Response for /assistant/files/upload

{  
 "success": true,  
 "uploadUrl": "<uploadUrl>",  
 "statusUrl": "<statusUrl>",  
 "contentUrl": "<contentUrl>",  
 "metadataUrl": "<metadataUrl>",  
 "key": "[yourEmail@vanderbilt.edu/date/293088.json](mailto:yourEmail@vanderbilt.edu/date/293088.json)"  
}

**Endpoint: /assistant/files/query (POST)**

* Description: View a list of uploaded Amplify data sources.
* Expected Data for /assistant/files/query
  + 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.
* Example Body for /assistant/files/query

{  
 "data": {  
 "pageSize": 2,  
 "sortIndex": "",  
 "forwardScan": false  
 }  
}

* Responses for /assistant/files/query
  + 200: Returns a list of files that match the query criteria.
* Example Response for /assistant/files/query

{  
 "success": true,  
 "data": {  
 "items": [  
 {  
 "createdAt": "2024-07-15T17:12:45.046682",  
 "updatedBy": "[yourEmail@vanderbilt.edu](mailto:yourEmail@vanderbilt.edu)",  
 "createdBy": "[yourEmail@vanderbilt.edu](mailto: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](mailto:yourEmail@vanderbilt.edu/date/2389020943.json)",  
 "tags": [],  
 "totalItems": 1025,  
 "type": "application/fileExtension"  
 }  
 ]  
 }  
}

**Endpoint: /assistant/tags/list (POST)**

* Description: View a list of your Amplify tags that can be tied to your data sources, conversations, and assistants.
* Expected Data for /assistant/tags/list
  + N/A
* Example Body for /assistant/tags/list

{  
 "data": {}  
}

* Responses for /assistant/tags/list
  + 200: A list of tags.
* Example Response for /assistant/tags/list

{  
 "success": true,  
 "data": {  
 "tags": ["NewTag"]  
 }  
}

**Endpoint: /assistant/tags/create (POST)**

* Description: Create new Amplify tags that can be tied to your data sources, conversations, and assistants.
* Expected Data for /assistant/tags/create
  + tags (array of strings): Default is an empty array.
* Example Body for /assistant/tags/create

{  
 "data": {  
 "tags": ["NewTag"]  
 }  
}

* Responses for /assistant/tags/create
  + 200: Result of tag creation.
* Example Response for /assistant/tags/create

{  
 "success": true,  
 "message": "Tags added successfully"  
}

* **Endpoint: /assistant/tags/delete (POST)**
* Description: Delete an Amplify tag.
* Expected Data for /assistant/tags/delete
  + tag (string): Required.
* Example Body for /assistant/tags/delete

{  
 "data": {  
 "tag": "NewTag"  
 }  
}

* Responses for /assistant/tags/delete
  + 200: Result of tag deletion.
* Example Response for /assistant/tags/delete

{  
 "success": true,  
 "message": "Tag deleted successfully"  
}

**Endpoint: /assistant/files/set\_tags (POST)**

* Description: Associate an Amplify tag with a specific data source, conversation, or assistant.
* Expected Data for /assistant/files/set\_tags
  + id (string): Required.
  + tags (array of strings): Default is an empty array.
* Example Body for /assistant/files/set\_tags

{  
 "data": {  
 "id": "[yourEmail@vanderbilt.edu/date/290208.json](mailto:yourEmail@vanderbilt.edu/date/290208.json)",  
 "tags": ["NewTag"]  
 }  
}

* Responses for /assistant/files/set\_tags
  + 200: Result of setting file tags.
* Example Response for /assistant/files/set\_tags

{  
 "success": true,  
 "message": "Tags updated and added to user"  
}

**Endpoint: /embedding-dual-retrieval (POST)**

* Description: Retrieve Amplify data source embeddings based on user input through dual retrieval method.
* Expected Data for /embedding-dual-retrieval
  + userInput (string): Required.
  + dataSources (array of strings): Required.
  + limit (integer)
* Example Body for /embedding-dual-retrieval

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

* Responses for /embedding-dual-retrieval
  + 200: A list of documents related to the user input.
* Example Response for /embedding-dual-retrieval

{  
 "result": [  
 {  
 "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: /assistant/list (GET)**

* Description: Retrieve a list of all Amplify assistants.
* Expected Data for /assistant/list
  + N/A
* Example Body for /assistant/list
  + N/A
* Responses for /assistant/list
  + 200: List of assistants retrieved successfully.
* Example Response for /assistant/list

{  
 "success": true,  
 "message": "Assistants retrieved successfully",  
 "data": [  
 {  
 "assistantId": "astp/498370528-38594",  
 "version": 3,  
 "instructions": "<instructions>",  
 "disclaimerHash": "348529340098580234959824580-pueiorupo4",  
 "coreHash": "eiouqent84832n8989pdeer",  
 "user": "[yourEmail@vanderbilt.edu](mailto: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"  
 }  
 ]  
 }  
 ]  
}

**Endpoint: /assistant/share (POST)**

* Description: Share an Amplify assistant with other Amplify users.
* Expected Data for /assistant/share
  + assistantId (string): Required.
  + recipientUsers (array of strings): Required.
  + note (string)
* Example Body for /assistant/share

{  
 "data": {  
 "assistantId": "ast/8934572093982034020-9",  
 "recipientUsers": ["[yourEmail@vanderbilt.edu](mailto:yourEmail@vanderbilt.edu)"],  
 "accessType": "read"  
 }  
}

* Responses for /assistant/share
  + 200: Assistant sharing response.
* Example Response for /assistant/share

{  
 "success": false,  
 "message": "Unable to share with some users",  
 "failedShares": [  
 "[yourEmail@vanderbilt.edu](mailto:yourEmail@vanderbilt.edu)"  
 ]  
}

**Endpoint: /assistant/create (POST)**

* Description: Create or update a customizable Amplify assistant.
* Expected Data for /assistant/create
  + 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.
  + dataSourceOptions (array of objects)
* Example Body for /assistant/create

{  
 "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](mailto: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](mailto:yourEmail@vanderbilt.edu/date/w3ou009we3.json.content.json)', 'createdAt': '2024-07-15T18:58:24.912235', 'totalTokens': 3750, 'tags': [], 'props': {}}  
 }  
 ],  
 "tools": []  
 }  
}

* Responses for /assistant/create
  + 200: Assistant creation response.
* Example Response for /assistant/create

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

**Endpoint: /assistant/delete (POST)**

* Description: Delete an Amplify assistant.
* Expected Data for /assistant/delete
  + assistantId (string): Required.
* Example Body for /assistant/delete

{  
 "data": {  
 "assistantId": "astp/3209457834985793094"  
 }  
}

* Responses for /assistant/delete
  + 200: Assistant deletion response.
* Example Response for /assistant/delete

{  
 "success": true,  
 "message": "Assistant deleted successfully."  
}

**Endpoint: /assistant/create/codeinterpreter (POST)**

* Description: Create a new Code Interpreter Assistant.
* Expected Data for /assistant/create/codeinterpreter
  + name (string): Required.
  + description (string): Required.
  + tags (array of strings): Required.
  + instructions (string): Required.
  + dataSources (array of strings): Required - id (string): global
* Example Body for /assistant/create/codeinterpreter

{  
 "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": ["global/309089490208940923.content.json"],  
 "fileKeys": [],  
 "tools": [{"type": "code\_interpreter"}]  
 }  
}

* Responses for /assistant/create/codeinterpreter
  + 200: Response for creating a code Interpreter assistant.
* Example Response for /assistant/create/codeinterpreter

{  
 "success": true,  
 "message": "Assistant created successfully",  
 "data": {  
 "assistantId": "[yourEmail@vanderbilt.edu/ast/373849029843](mailto:yourEmail@vanderbilt.edu/ast/373849029843)"  
 }  
}

**Endpoint: /assistant/chat/codeinterpreter (POST)**

* Description: Establishes a conversation with a 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 for /assistant/chat/codeinterpreter
  + assistantId (string): Required
  + threadId (string)
  + messages (array of objects): Required
    - role (string): Required
    - content (string): Required
    - dataSourceIds (list of strings): Required
* Example Body for /assistant/chat/codeinterpreter

{  
 "data": {  
 "assistantId": "[yourEmail@vanderbilt.edu/ast/439290398](mailto:yourEmail@vanderbilt.edu/ast/439290398)",  
 "messages": [  
 {  
 "role": "user",  
 "content": "Can you tell me something about data analytics and what you are able to do?",  
 "dataSourceIds": []  
 }  
 ]  
 }  
}

* Responses for /assistant/chat/codeinterpreter
  + 200: Returns the chat response from the Code Interpreter assistant.
* Example Response for /assistant/chat/codeinterpreter

{  
 "success": true,  
 "message": "Chat completed successfully",  
 "data": {  
 "threadId": "[yourEmail@vanderbilt.edu/thr/8402934234](mailto:yourEmail@vanderbilt.edu/thr/8402934234)",  
 "role": "assistant",  
 "textContent": "<Text Content>",  
 "content": []  
 }  
}

**Endpoint: /assistant/files/download/codeinterpreter (POST)**

* Description: Download Code Interpreter-generated files via a pre-authenticated URL.
* Expected Data for /assistant/files/download/codeinterpreter
  + key (string): Required
  + fileName (string): Not required; will automatically download if given the specific file name.
* Example Body for /assistant/files/download/codeinterpreter

{  
 "data": {  
 "key": "[yourEmail@vanderbilt.edu/ast/3498504729](mailto:yourEmail@vanderbilt.edu/ast/3498504729)"  
 }  
}

* Responses for /assistant/files/download/codeinterpreter
  + 200: File download for Code Interpreter.
* Example Response for /assistant/files/download/codeinterpreter

{  
 "success": true,  
 "downloadUrl": "<Download URL>"  
}

* **Endpoint: /assistant/openai/thread/delete (DELETE)**
* Description: Delete a thread, deleting your existing conversation with a code interpreter.
* Query Parameters for /assistant/openai/thread/delete
  + threadId (string): Required
* Example URL Parameter for /assistant/openai/thread/delete
  + [?threadId=yourEmail@vanderbilt.edu/thr/8923420](mailto:?threadId=yourEmail@vanderbilt.edu/thr/8923420)
* Responses for /assistant/openai/thread/delete
  + 200: Thread deletion response.
* Example Response for /assistant/openai/thread/delete

{  
 "success": true,  
 "message": "Thread deleted successfully"  
}

* **Endpoint: /assistant/openai/delete (DELETE)**
* Description: Delete a code interpreter assistant instance.
* Query Parameters for /assistant/openai/delete
  + assistantId (string): Required
* Example URL Parameter for /assistant/openai/delete
  + [?assistantId=yourEmail@vanderbilt.edu/ast/386233](mailto:?assistantId=yourEmail@vanderbilt.edu/ast/386233)
* Responses for /assistant/openai/delete
  + 200: Assistant deletion response.
* Example Response for /assistant/openai/delete

{  
 "success": true,  
 "message": "Assistant deleted successfully"  
}