BUSINESS TO BUSINESS (B2B)/ API DEVELOPERS GUIDE

August 2024

Document Information

Document Owner	Seychelles Financial Intelligence Unit
Creation Date	29 May 2024
Version	V1.0

Table of Contents

Introduction to goAMLWebServices

In response to the demand for greater reporting efficiency, and increased automation, goAML has exposed their core data-exchange capabilities as publicly accessible web-services.

These services are accessible over HTTP – meaning any Reporting Entity (RE) who has internet connectivity can make use of the services. The Reporting Entities will need to have a registered account on goAML platform to utilize the web services. Reporting Entity (RE) will need to develop their own tool to allow their system to export data into XML format. The b2b service provides API calls for you to submit these XML files automatically without interfering with the actual platform.

Another way would be to logging into the platform and select XML report upload to upload the XML files that your system has generated.

Service Description Overview

Logically, the goAMLWeb Web Services are categorized into service-oriented/functional groups:

The functional groups which are available as services are currently as follows:

- Authentication (for obtaining an authentication user-token which must be used with all other webservices). Alternatively, basic authentication is now available, using goAMLWeb website username and password credentials.

- Reporting (for submitting data to the Financial Intelligence Unit)

- "MessageBoard" (for two-way communication with the Financial Intelligence Authority)

The Authentication service links the existing secure goAMLWeb website accounts to the new services. Reporting users simple provide their existing username and password over a secure HTTPS connection, and the service provides an encrypted "user-token" which the user then uses in all subsequent calls to the server. Only the server can decrypt these tokens to verify identities. The user-token has a maximum lifetime of one day, so the authentication service will have to be queried at least once a day to maintain automated operations.

The Reporting service allows Reporting Entities (who have permission) to submit and retrieve reports via web services. This means all existing reporters can use the web services.

The MessageBoard controller exposes all functionality currently embedded in the goAMLWeb website's message board. Users currently authorized to use the messageboard on the website can now use the MessageBoard services for managing their message board communications.

What follows is a detailed description of the services per functional group.

Access the API here:

https://goaml.fiu.sc/goAML_VA_TEST/swagger/docs/v1

Access the API info here:

https://goaml.fiu.sc/goAML_VA_TEST/content/swagger/

Authentication Service Description

(Unless otherwise stated, if there is a validation error on the input, the output will be an HTTP 400 response with the reason for the error, translated to the default language setting, or an HTTP 401 response if the token has timed-out. A successful response in an HTTP 200 message).

URL	Description	Input	Output
[base]/api/**Authenticate/GetToken** **->goaml.fiu.sc/goAML_TEST/api/Authenticate/GetToken**	Acquires an encrypted string of characters, which the server can use to identify a user during a session. We call this string of encrypted characters a "user-token", and it is passed along with all other service requests for verification and authorization purposes. An object with the following properties set.<table><tr><td>**Name**</td><td>**Type**</td><td>**description**</td></tr><tr><td>username</td><td>String</td><td>An existing username</td></tr><tr><td>password</td><td>String</td><td>The password of the username</td></tr><tr><td>tokenlifetime</td><td>Int</td><td>The time, in minutes, before the token expires and becomes invalid. A new token will be required after this period.</td></tr></table>	String: An encrypted "usertoken" string which identifies the user to the server. This is passed in all subsequent requests to web services in order for a user to identify themselves.

				Min value:0, Max value: 1440	
[base]/api/**Authenticate/CheckToken**	Accepts an encrypted token, and returns a string containing the non- sensitive details about that token	An object with the following property set			The following string, translated to the local language:

Name	Type	description
usertoken	String	An encrypted user-token that was previously returned by the 'GetToken' service call

The [base]/api/**Authenticate/CheckToken** row's last column continues:

Token for user: {0} expires on: {1} time remaining: {2} seconds

This is used if a consumer of web services wants to know how long is left in their session

To use the authentication token as a credential for all following service calls, the usertoken string returned from a '**GetToken**' call must be sent along as a cookie in the request. The cookie should be named "SqlAuthCookie".

Alternatively, entities using the B2B services can make service calls (HTTP requests) using Basic authentication – using the same username/password credentials as their approved goAMLWeb website account.

Report Service Description

URL	Description	Input	Output
[base]/api/**Reports/PostReport**	Used to submit a new report to the goAMLWeb web site. This is the service endpoint for submitting a single xml file with zero-to-many attachments.	Authentication credentials (either a "SqlAuthCookie" or Basic HTTP credentials –see authentication) A 'multipart/form-data' HTTP POST request, which contains the following fields:	A string identifier for the report zip file – the submitted file's report key.

Name	Type	description
zipfile	A multipart/ formdata .zip byte array	A zip file containing maximum one report file, and as many attachments as may fit within the file-size limit for attachments set by the FIU, and the maximum number of files per zip file set by the FIU.

		The maximum size allowed for one submitted (zip) file is determined by the "ReportAttachmentMa xSi ze" configuration setting in the goAML client. Validation will occur against the attachment file types – only reports whose attachments' file types appear in the "file_upload_white_lis t" setting will be accepted.	
[base]/api/**Reports/DeleteSin gleReport**	Deletes a report along with its attachments	Authentication credentials (either a "SqlAuthCookie" or Basic HTTP credentials –see authentication) An object with the following prop <table><tr><th>Name</th><th>Type</th><th>description</th></tr><tr><td>report key filter</td><td>String</td><td>The report key identifier of the report to be deleted</td></tr></table>	An object with the reportkeyfilter of the deleted report – the same report key which was used as input
			<table><tr><td>Status</td><td>String</td><td>The current status of the report (eg. Processing, validated, archived)</td></tr><tr><td>Errors</td><td>String</td><td>A list of any errors found in the report during processing</td></tr></table>

				date	Date	The date on which the report was uploaded
				Transactio n_count	Int	The number of transactions discovered in the report file while processing
				hasAttach ments	Boole an	Indicates whether there are any attachments associated with the report record.

[base]/odata/api/Reports/Get ReportAt tachment	Gets an attachment file	Authentication credentials (either a "SqlAuthCookie" or Basic HTTP credentials –see authentication) An object with the following prop	An object with the following properties

An object with the following prop

Name	Type	description
Att_id	Guid	The identifier for the attachment file. The result object(s) from an odata reports query will have a list of attachments, along with this identifier for each.

An object with the following properties

Name	Type	description
Attachme ntID	Guid	The universal identifier for an attachment file
FileSize	Deci mal	The size of the attachment file in bytes
FileName	String	The name of the file
FileConte n t	Byte[ ]	A byte-array containing the file's contents.

[base]/odata/Odata/OdataRep orts	An odata endpoint for	Authentication credentials (either a "SqlAuthCookie" or Basic HTTP	A set of objects with the following properties

Name	Type	description

accessing reports

This service endpoint allows for querying and retrieving all of the reports an entity has access to – including both B2B uploaded report, and reports submitted through the visual interface of the website. The list of reports accessible also includes the reports of any appropriate delegating entities. | credentials –see authentication)

Please see the odata specification for instructions on how to query an odata endpoint. | | |

ReportKey	String	The goAMLWeb identifier for a report file
User	String	The username of the user who submitted the report
File_name	string	The name of the individual report file
Zip_container_file_name	String	The name of the zip file which contained the individual report files
Report_type	String	The type of report – based on the report code
REID	Int	The Reporting Entity identifier ID

Message Board Service Description

URL	Description	Input				Output
[base]/api/**MessageBoard/PostMessage**	Submits a new message, and it's attachments to the messageboard	Authentication credentials (either a "SqlAuthCookie" or Basic HTTP credentials –see authentication) A 'multipart/form-data' HTTP request containing the following input fields:				The GUID ID of the new message
		Name	**Type**	**description**		
		importance	String	"H","N", or "L" for 'High', 'Normal', or 'Low' importance (defaults to 'N' if bad or no value)		
		threadid	GUID	The thread ID of the chain of responses (null if the message is not a response ie. a new		

				message)	
			subject	String (max 255 characters)	The subject of the message
			body	String	The body of the message
			REID_str	**Int**	**The RE on whose behalf the message is being sent- only used for delegation, leave blank by default**
			refNumber	**String**	**The reference number, if applicable, for this message. Optional**

		File[i]	**Byte[]**	**Any number of attachments, where [i] is a number. Eg. "file1", "file2", etc…**

And any number of file attachments under the file size limit set by the FIU in the "ReportAttachmentMaxSize" setting, which are in the file type whitelist set by the FIU.

| [base]/odata/OdataMessages | An odata endpoint for accessing non-archived messages

This service endpoint allows for querying and retrieving all of the messages an entity has access to – including both B2B | Authentication credentials (either a "SqlAuthCookie" or Basic HTTP credentials –see authentication)

Please see the odata specification for instructions on how to query an odata endpoint. | A set of objects with the following properties |

Name	Type	description
MsgRef	Guid	The goAMLWeb identi for the message
User	String	The username of the u who submitted the message

	messages, and messages submitted		

		through the visual interface of the website. The list of messages accessible also includes the messages of any appropriate delegating entities.			Read	Bool e an	Whether the message marked as read or not	is
					Recipien t_ REID	Int	The ID of the organizat to whom the message was addressed	ion
					Initiating _R EID	Int	The ID of the organizat who created the message	ion
					transferre d	Bool e an	Whether the message has bee transferred to the FIU. Only messag which have been transferred may b moved between fold	s er e s.
					Msg_type	Strin g	The type of message Eg. Manual, fully- accepted, etc	
					Sent_dat e	Date	The date on which the message was	

18

					hasAtta ch ments	Bool e an	Indicates whether the message has attachments or not	
					threadID	Guid	The Message identifier the parent message o thread of messags "00000000-0000- 0000- 0000- 000000000000" if message is not a child message in a thread.	o f a of

			Subject	String	The subject line of the message	
			Body	String	The body of the mess	age
			Importance	String	The importance code the message. L="low" N="normal" H="high"	of
			Folder	Int	The folder id containin the message	g
			isFlagged	Boolean	Whether the message marked as flagged or	is no t
			refNumber	String	The FIU reference num for the message	ber
			Folder_name	String	The name of the folde the message is current in	r l y
[base]/odata/OdataArchivedMessage	An odata	Authentication credentials (either a	A set of objects with the following properties			

	endpoint for accessing archived messages	"SqlAuthCookie" or Basic HTTP credentials –see authentication)		Name	Type	description
s				MsgRef	Guid	The goAMLWeb identi for the message
	This service endpoint allows for querying and retrieving all of the messages an entity has access to – including both B2B messages, and messages submitted	Please see the odata specification for instructions on how to query an odata endpoint.		User	String	The username of the u who submitted the message

			Read	Bool e an	Whether the message marked as read or not	is
	through the visual interface of the website. The list of messages accessible also includes the messages of any appropriate delegating entities.		Recipien t_ REID	Int	The ID of the organizat to whom the message was addressed	ion
			Initiating _R EID	Int	The ID of the organizat who created the message	ion
			transferre d	Bool e an	Whether the message has bee transferred to the FIU. Only messag which have been transferred may b moved between fold	s er .
			Msg_type	Strin g	The type of message Eg. Manual, fully- accepted, etc	
			Sent_dat e	Date	The date on which the message was	

							sent
					hasAtta ch ments	Bool e an	Indicates whether the message has attachments or not
					threadID	Guid	The Message identifier the parent message of a thread of messags o f a "00000000-0000-0000-0000-000000000000" if message is not a child message in a thread. of

Subject	String	The subject line of the message	
Body	String	The body of the mess	age
Importance	String	The importance code the message. L="low" N="norm al" H="high"	of
Folder	Int	The folder id containin the message	g
isFlagged	Boolean	Whether the message marked as flagged or	is no t
refNumber	String	The FIU reference num for the message	ber
Folder_ name	String	The name of the folde the message is current in	r l y

[base]/api/**MessageBoard/GetAttachment**	Returns an attachment file	Authentication credentials (either a "SqlAuthCookie" or Basic HTTP credentials –see authentication)			The messageboard attachment file whose GUID is equal to the submitted GUID
		An object with the following properties			
		Name	**Type**	**description**	
		attachm enti d	Guid	The identifier for the attachment file. The result	

		object(s) from an odata messages query will have a list of attachments, along with this identifier for each.	
[base]/api/**MessageBoard/GetFolders**	Returns a list of MessageBoardFolderD TO objects for all folders belonging to the user's RE. These objects describe each folder belonging to the RE.	Authentication credentials (either a "SqlAuthCookie" or Basic HTTP credentials –see authentication) An object with the following properties 	**Name**	**Type**	**description**
---	---	---
partyid	int	The REID for whom the folders are being requested.		List of MessageBoardFolderDTO objects | **Name**	**Type**	**description**
---	---	---
ID	Int	The folder id
name	String	The name of the folder
direction	Bool?	True = outgoing, False = incoming, Null = archive
reid	Int	The RE ID of the owning RE	
[base]/api/**MessageBoard/MoveMsgToFolder**	Moves a list of Messages – specified by a comma-	Authentication credentials (either a "SqlAuthCookie" or Basic HTTP credentials –see authentication) An object with the following properties	Null HTTP200 response if success.

| | delimitted list of messageID GUIDS, to the folder specified in the request.

Messages can only be moved into folders which have the same direction as the message, or folders which have 'null' as direction – archive folders. | Name | Type | description |
|---|---|---|---|---|
| | | messagei dlist | String | A comma-delimitted list of message ID GUIDs which shall be moved to the specified folder (no spaces between values-only commas) |

		folderid	Int	The id of the folder to where the messages shall be moved	
	Messages cannot be moved into or out of folder with ID = 2 (Draft folder on the website)				
[base]/api/**MessageBoard/DeleteMe** **ssages**	Deletes a list of messages specified as a comma-delimitted list of message ID GUIDS	Authentication credentials (either a "SqlAuthCookie" or Basic HTTP credentials –see authentication) An object with the following properties 	**Name**	**Type**	**descriptio** **n**
---	---	---
messageid list	String	A comma-delimitted list of message ID GUIDs which shall be deleted(no spaces between values-only commas)		Null HTTP200 response if success.

| [base]/api/**MessageBoard/MarkMessagesAsRea d** | Marks a list of messages specified as a comma-delimitted list of message ID GUIDS as read | Authentication credentials (either a "SqlAuthCookie" or Basic HTTP credentials –see <u>authentication</u>)

An object with the following properties

<table><tr><td>**Name**</td><td>**Type**</td><td>**description n**</td></tr><tr><td>messageid list</td><td>String</td><td>A comma-delimitted list of message ID GUIDs which shall be marked as read (no spaces between values-only commas)</td></tr></table> | Null HTTP200 response if success. |

[base]/api/**MessageBoard/MarkMessagesAsUn Read**	Marks a list of messages specified as a comma-delimitted list of message ID GUIDS as unread	Authentication credentials (either a "SqlAuthCookie" or Basic HTTP credentials –see authentication) An object with the following properties | Name	Type	description
messageid list	String	A comma-delimitted list of message ID GUIDs which shall be marked as unread (no spaces between values-only commas)		Null HTTP200 response if success.
---	---	---	---
[base]/api/**MessageBoard/MarkMessagesAsFla gged**	Marks a list of messages specified as a comma-delimitted list of message ID GUIDS as flagged	Authentication credentials (either a "SqlAuthCookie" or Basic HTTP credentials –see authentication) An object with the following properties | Name	Type	description
---	---	---		Null HTTP200 response if success.

		messageid list	String	A comma-delimitted list of message ID GUIDs which shall be marked as flagged (no spaces between values-only commas)	
[base]/api/**MessageBoard/MarkMessagesAsNot Flagged**	Marks a list of messages specified as a comma-delimitted list of message ID GUIDS as flagged	Authentication credentials (either a "SqlAuthCookie" or Basic HTTP credentials –see authentication) An object with the following properties			Null HTTP200 response if success.

		Name	**Type**	**descriptio n**	
		messagei dlist	String	A comma-delimitted list of message ID GUIDs which shall be marked as not-read (no spaces between values-only commas)	
[base]/api/**MessageBoard/CreateFol der**	Creates a new folder for the RE as specified in the request Folders must have unique names per direction for each REID	Authentication credentials (either a "SqlAuthCookie" or Basic HTTP credentials –see authentication) An object with the following properties 	**Name**	**Type**	**descriptio n**
---	---	---
editfoldern am e	String	The name for the folder to be created				Int ID of the newly created folder

		editfolder dire ction	Bool?	The direction for the newly created folder
				True= outgoing
				False = incoming
				Null = archive

		editfolder msg type	String	The type of message associated with the folder (for incoming folders only – to have messages of this type automatically routed into this folder). This field is a type code, which can be retrieved using the Lookups service.		
[base]/api/**MessageBoard/UpdateFolder**	Changes the properties of the folder whose ID is specified in the request Again, folders must have unique names	Authentication credentials (either a "SqlAuthCookie" or Basic HTTP credentials –see authentication) An object with the following properties<table><tr><th>Name</th><th>Type</th><th>description</th></tr><tr><td>editfolderid</td><td>Int</td><td>The ID of the</td></tr></table>				

34

per direction.			folder to be updated	
	editfoldername	String	The new name for the updated folder	
	editfolderdirectio n	Bool ?	The direction for the updated folder True= outgoing False = incoming Null = archive	

		editfoldermsgtyp e	Strin g	The type of message associated with the folder (for incoming folders only – to have messages of this type automatically routed into this folder)		
[base]/api/**MessageBoard/DeleteFol der**	Deletes the folder specified by ID in the request parameters. System folders (with IDs 1,2,3,4 cannot be deleted	Authentication credentials (either a "SqlAuthCookie" or Basic HTTP credentials –see authentication) An object with the following properties 	**Name**	**Typ e**	**descriptio n**
---	---	---
editfolder id	Int	The ID of the folder to be deleted			Null HTTP200 response if success.

Lookup Codes Service Description

URL	Description	Input	Output		
[base]/odata**/OdataLookups**	An odata endpoint for retrieving the tables of relevant lookup codes used by goAMLWeb	Authentication credentials (either a "SqlAuthCookie" or Basic HTTP credentials –see authentication) Please see the odata specification for instructions on how to query an odata endpoint.	A set of objects with the following properties		
			Name	**Typ e**	**descriptio n**
			Table_na m e	Strin g	The name of the looku
			Schema_ty pename	Strin g	The name of the type the .xsd schema whic corresponds to this lookup
			data	List [lk_c ode, lk_na me, lk_la n guag e]	A three dimensional a with the lookup values according to code, name, and language