Sigmify Stream API

(*A Step by Step Guide on how to use the Stream API from your Application/Website*)

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1   Document Version History

Date	Description	Version
24/08/2017	First version to document the Stream API	0.1

2   API Connectivity

Sigmify exposes services via HTTPS on port 443. Clients must support SSLv2 with HIGH strength

Cipher suites as defined by the current general release version of the Apache HTTP Server*.

Clients should have an up-to-date CA Certificate registry supporting the "VeriSign Class 3 Secure Server CA – G3" signing certificate.

*http://httpd.apache.org/docs/2.2/mod/mod_ssl.html#sslciphersuite

3   Encoding

API requests and responses are encoded objects using the Javascript Object Notation (JSON) syntax. Requests must include a valid JSON MIME type "content type" HTTP Header. JSON responses will always include the 'application/json' content-type.

4   Acceptable JSON MIME Types for HTTP Content-Type

- application/json
- application/x-javascript
- text/javascript
- text/x-javascript
- text/x-json
- text/json

Note:

1. Objects with no properties may be denoted in JSON array syntax.
2. Unless otherwise stated, null properties may be indicated with a JSON null or simply omitted.
3. JSON Object properties may appear in any order.
4. JSON examples in this document are often formatted for visibility, but in practice should contain minimum whitespace.
5. Unless otherwise stated, all properties and values are case sensitive.
6. If the HTTP request headers indicate compliance, the response body may optionally be gzip or deflate encoded.
7. The encoding will be indicated in the "ContentEncoding" response header. All requests should be encoded in Unicode UTF-8. Responses will be presented in Unicode UTF-8.

5 Authentication for Webservices

Authentication token is expected with each API request. Client needs to call **getAuthToken** service to get a valid token which can then be used in subsequent requests. Token will expire after 30 minutes.

Every subsequent request needs to pass the token with attribute name "authToken".

Login request requires user and password parameters passed using HTTP POST method.

Example:

Request: https://www.sigmify.com/getAuthToken?user=jDoe@xyz.com&;password=pwd

Response:

{

"message": "OK",

"token": "0b02008c-1a1c-46a0-a980-05f76b2a66ea",

"userCode": "jDoe@xyz.com";,

"firstName": "John",

"lastName": "Doe"

}

Error Response:

{

"message": "Password is incorrect",

"userCode": "jDoe@xyz.com";

}

Client should make no more than 3 attempts to retry a failed authentication.

6 Webservices for updating Sigmify Stream

After getting the token using the **getAuthToken** service, the sigmify stream can be updated using **updateSigmifyStream** API call.

This is a post service.The token generated is sent as a parameter to this post and the data to be updated is sent as a plain JSON string.

Example:

Request:

https://www.sigmify.com/updateSigmifyStream?authToken=<generated token>

JSON format:

{

"origin": "External",

"tenantId": "XDFCGF",

"processName": "Leave Process",

"processCode": "CD001",

"tranxNo": "TR00000001",

"messageId": "MID000000001",

"messageStatus": "P",

"messageDate": "2015-03-14 15:20:36+05:30",

"documentName": "Approve Leaave",

"docCode": "DC00AT002",

"docCodePrev": " DC00AT001″,

"docNo": "DN00001002",

"docNoPrev": " DN00001001″,

"subject1": "employee name",

"subject2": "2015-03-01 ",

"subject3": "Going out of station",

"subject4": "10 Days",

"subject5": "Approved by Supervisor",

"link": "http://www.abc.com/process/openNexDocument?id=",

"attachmentExists": "N",

"attachmentUrl": "http://www.abc.com/process/attachment?id=",

" assignedToRoles": "RoleCode1,RoleCode2″,

" assignedToUsers": "user_code1, user_code2,user_code3",

"completedBy": "user_code1",

"completedDate": "2015-03-16 15:20:36"

}

Response:

{

“status”: “OK”,

“remarks”: “successfully updated”

}

Error Response:

{

“status”: “FAILED”,

“remarks”: “unable to update record”

}

6.1 Explanation of the JSON properties

Property	Description	Mandatory
Origin	Will always be 'External' when called from a third party. The Unique ID allocated for your organization.	Yes
tenantId	The unique ID allocated by Sigmify to your organisation. This is allocated at the time of registration.	Yes
processName	Name of the process of which the data is being fed into the Sigmify stream.	Yes
processCode	Code of the process	No
tranxNo	A unique identifier for the transaction of the said process.	Yes
messageId	An Id to uniquely identity the current message.	Yes
messageStatus	Status of the message – P:Pending / D:Completed	Yes
messageDate	Date of the message	Yes
documentName	Name of the document whose data is being fed.	Yes
docCode	ID(if any) of the document whose data is being fed.	No
docCodePrev	ID(if any) of the document preceding the current document.	No
docNo	Unique number allocated to the instance of the document (if any).	No

Property	Description	Mandatory
docNoPrev	Unique number allocated to the instance of the previous document (if any).	No
subject1	Data field that needs to be displayed in the Sigmify stream on the placeholder1	Yes
subject2	Data field that needs to be displayed in the Sigmify stream on the placeholder2	Yes
Subject3	Data field that needs to be displayed in the Sigmify stream on the placeholder3	No
Subject4	Data field that needs to be displayed in the Sigmify stream on the placeholder4	No
Subject5	Data field that needs to be displayed in the Sigmify stream on the placeholder5	No
Link	URL to open the document from the sigmify stream. If case of a document that is to be opened in read only mode, please construct the URL accordingly and pass. If the URL is not passed, the link will not be enabled on the sigmify steam.	No
attachmentExists	Is there an attachment that needs to be show along with the document details on the Sigmify stream? Possible values – Y/N	No
attachmentUrl	If yes, then URL for that attachment. Mandatory if attachmentExists is Y	No
assignedToRoles*	The users belonging to these roles in Sigmify will be able to see this message/document details on their stream. One of assignedToRole or assignedToUsers needs to have values.	Yes/No
assignedToUsers*	These users will be able to see this message/document details on their stream. One of assignedToRole or assignedToUsers needs to have values	Yes/No
Completedby*	The Code of the user who has performed/completed the current document. Mandatory when the messageStatus is D	Yes/No
completedDate	The date/time when the current document was completed/task was performed. Mandatory when the messageStatus is D	Yes/No

*The third party will need to send the user and roles that are valid in Sigmify.