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# LegalVIEW BillAnalyzer Market Expansion 1.0 REST API Reference Guide

Internal Use Only

XX Jul 2022

# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

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# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

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# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

## Introduction

This guide provides a high-level overview of LegalVIEW BillAnalyzer Market Expansion module and focuses on reference information about supported endpoints, HTTP methods, and data formats for using LegalVIEW BillAnalyzer Market Expansion REST API services.

## Intended Audience

This guide is useful to anyone who is interested in accessing or integrating with LegalVIEW BillAnalyzer Market Expansion service in a RESTful manner.

The intended audience for this guide includes the following groups of people:

- Immune Systems customers
- Immune Systems Engineering
- Immune Systems Professional Services Group
- Third-party consultants

## Documentation

For more information about LegalVIEW BillAnalyzer Market Expansion Module, refer to the following publications:

- *LegalVIEW BillAnalyzer Market Expansion Module Installation Guide*—Provides information about installing a new module package or upgrading a module version.
- *LegalVIEW BillAnalyzer Market Expansion Module Configuration Guide*—Provides information about configuring the LegalVIEW BillAnalyzer Market Expansion Module.
- *LegalVIEW BillAnalyzer Market Expansion Module User Guide*—Provides information about LegalVIEW BillAnalyzer Market Expansion Module features.
- *LegalVIEW BillAnalyzer Market Expansion Module On-boarding Guide*—Provides information about on-boarding clients to LegalVIEW BillAnalyzer Market Expansion Module.

## LegalVIEW BillAnalyzer Market Expansion Module

This section describes LegalVIEW BillAnalyzer Market Expansion Module and provides information about the architecture and key components of the module.

### Overview

LegalVIEW BillAnalyzer Market Expansion (LBA-ME) is an enhanced legal bill review service that uses artificial intelligence (AI) technologies and legal expertise to optimize end-to-end legal bill review process. LegalVIEW BillAnalyzer Market Expansion service enhances the Invoice Review process through a combination of machine learning to analyze millions of line items and look for hidden patterns, an expansive database to benchmark invoices against, and a team of experienced legal professionals to perform reviews and handle appeals.

LegalVIEW BillAnalyzer Market Expansion acts as an interface between the Immune Systems and LBA Workbench, and exposes functionality through REST API calls for exchanging information to instances that are related to the Legal Bill Review process.

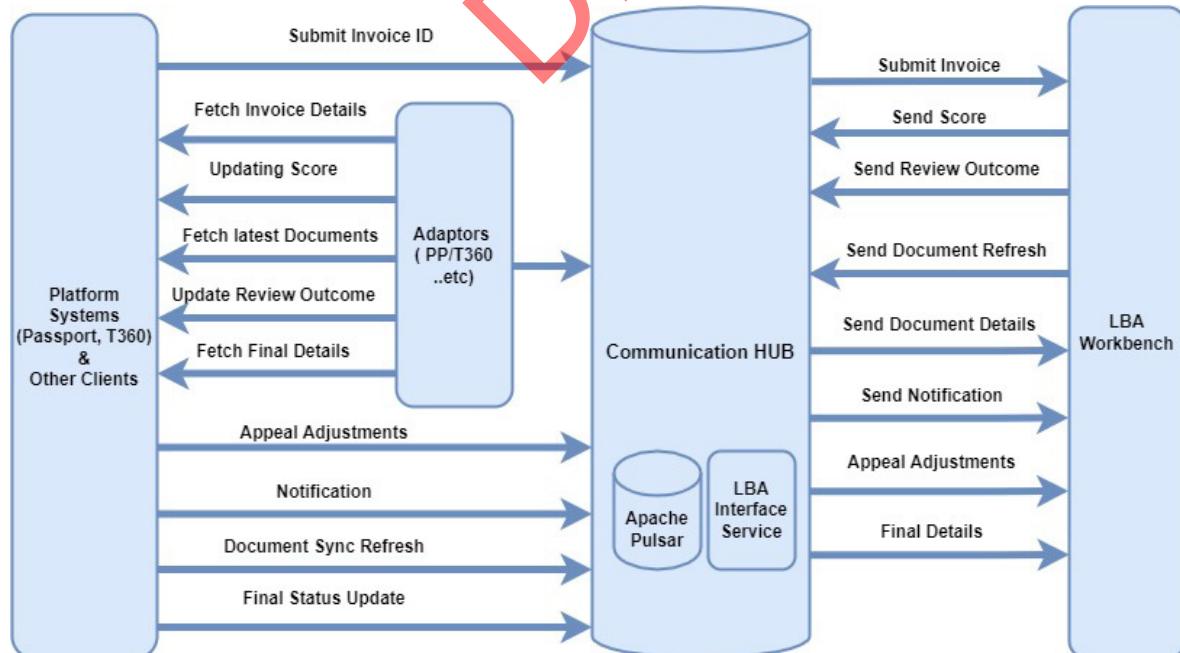
### Features

LegalVIEW BillAnalyzer Market Expansion comprises the following features:

- Independent of customer on-boarding status across platform systems and third-party clients
- Seamless communication between Platform Systems and the LBA Workbench

### Architecture

LegalVIEW BillAnalyzer Market Expansion has the following architecture:



# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

## Core Components

LegalVIEW BillAnalyzer Market Expansion comprises several core components.

### Platform Systems

Platform Systems comprises of legal matter and spend management applications that are built on the Immune platform and third-party client systems that are built on a different platform.

### Communication Hub

Communication Hub is an intermediary service between matter management applications like PP and LBA Workbench for submitting the Invoices for Review process.

The LBA Interface service in the Communication Hub provides a two-way seamless communication between Matter Management applications and LBA Workbench by making use of REST API services. Apache Pulsar in the Communication Hub is a multi-tenant distributed subscription-based messaging system where the inputs from platform systems are stored directly in pulsar topics.

### Platform System Adaptors

Platform System Adaptors are web services that provide synchronization between Platform Systems and Communication Hub. The main role of Platform System Adaptors is to decouple the direct exchange of information between Platform Systems and Communication Hub, supporting their independent release cycles. Platform System Adaptors decide the frequency of synchronization between Platform Systems and Communication Hub.

### LBA Workbench

LBA Workbench is an AI scoring service that evaluates invoices which are submitted by Platform Systems. The AI service processes the invoices and sends the Invoice Score and Review Outcome (Status and Adjustments) to Platform Systems for use by LBA invoice reviewers.

### OASIS OAuth Server

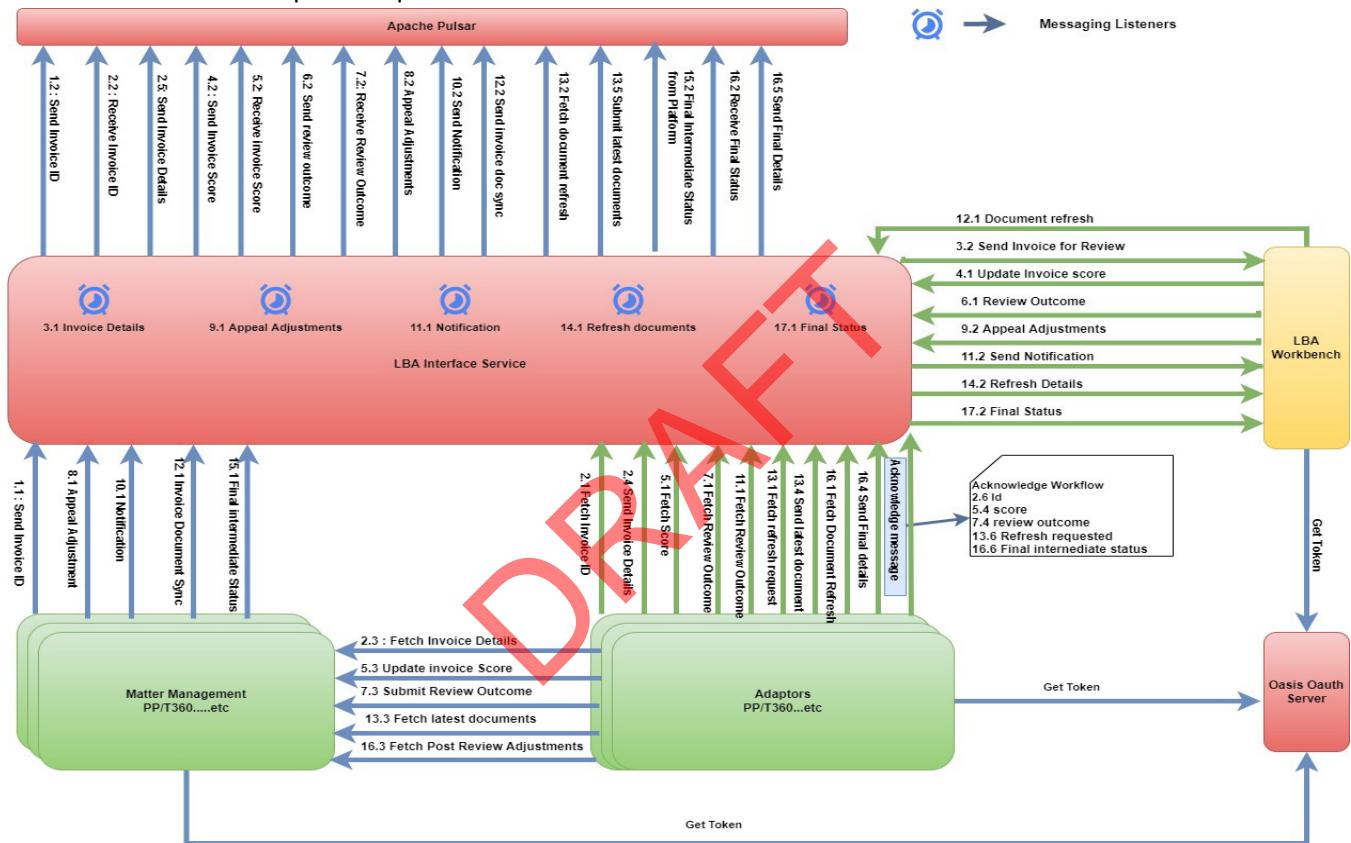
OAuth is an authorization framework used to provide client applications with secure delegated access. LegalVIEW BillAnalyzer Market Expansion REST API uses OAuth 2 protocol to authorize user access to an REST API. When the OASIS OAuth Server uses OAuth, the Server applies access policies to secure the APIs and authenticates user access to web services by issuing an access token.

# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

## Invoice Review Process

Invoices that are created for a matter practice area are submitted for Legal Bill Review by Platform Systems to the LegalVIEW BillAnalyzer Market Expansion Communication Hub, which processes the requests to the LBA Workbench and returns appropriate responses with updated Score, Status, and Reviewer Adjustments for the submitted invoices. Appeal requests by the law firm users against adjustments that are made by a reviewer are sent to the LBA Workbench.

The following figure summarizes the LBA-ME invoice review process with supported endpoints and methods that allow LBA-ME clients to place requests to the LBA-ME server.



## Authentication to the LBA-ME Server

The LegalVIEW BillAnalyzer Market Expansion REST API satisfies client requirements to obtain an access token for accessing REST API services.

For more information about authorization, refer to [Authorization](#).

LBA-ME clients can obtain an access token by sending a POST request to the LBA-ME server.

For more information, refer to [Authenticate to LBA-ME Server](#).

# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

## Submit Invoice ID

Platform System clients send the invoice ID to the LBA Interface for invoice review, and the LBA Interface Service places the request in a tenant-specific topic.

For more information, refer to [Submit Invoice ID](#).

## Receive Invoice Details

### Fetch Invoice ID

Platform System Adaptors make periodic calls to the LBA Interface Service to check for the availability of new Invoice IDs. When a new invoice ID is available for consumption, the LBA Interface Service fetches the Invoice ID from Pulsar topic and shares in HTTP Response to Platform System Adaptors.

For more information, refer [Fetch Invoice ID](#).

### Submit Invoice Details

Platform System Adaptors will fetch invoice details from respective Platform Systems based on the Invoice ID and send them to the LBA Interface Service. The LBA Interface Service places the invoice details in a tenant-specific topic.

For more information, refer to [Submit Invoice Details](#).

### Acknowledge New Invoice ID

Platform System Adaptors acknowledge invoice ID processing to the next stage through the LBA Interface Service.

For more information, refer to [Acknowledge Invoice Status](#).

### Send Invoice for Score

The Listener in the LBA Interface Service receives invoice details and sends them to the LBA Workbench for processing the score for a submitted Invoice.

## Receive Score

The LBA Workbench processes the score for the submitted invoice, and sends the score to the LBA Interface Service, and the LBA Interface Service places the received score in a tenant-specific topic.

## Update Score on Invoice

Platform System Adaptors make periodic calls to the LBA Interface Service to check for the availability of a new invoice score. When a new invoice score is available for consumption, the LBA Interface Service fetches the score from a Pulsar topic and shares it in the HTTP response to Platform System Adaptors.

Platform System Adaptors fetch the updated invoice score from the LBA Interface Service and send the score to respective Platform Systems.

For more information, refer to [Fetch Invoice Score](#).

# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

## Acknowledge New Invoice Score

Platform System Adaptors acknowledge invoice score processing to the next stage through the LBA Interface Service.

For more information, refer to [Acknowledge Invoice Score](#).

## Receive Review Outcome (IR/QA/RR/Approved/Rejected and Adjustments) Status

The LBA Workbench sends the review outcome status with adjustments to the LBA Interface Service, and the LBA Interface Service places the received status update request in a tenant-specific topic.

## Update Review Outcome

Platform System Adaptors make periodic calls to the LBA Interface Service to check for the availability of new invoice review outcome status. When a review status update is available for consumption, the LBA Interface Service fetches the invoice review outcome status from a Pulsar topic and shares it in the HTTP Response to Platform System Adaptors.

Platform System Adaptors fetch the updated invoice review outcome status from the LBA Interface Service and send the status to respective Platform Systems.

For more information, refer to [Fetch Review Outcome Status](#).

## Acknowledge Review Outcome Status

Platform System Adaptors acknowledge invoice review outcome status processing to the next stage through the LBA Interface Service.

For more information, refer to [Acknowledge Review Outcome Status](#).

## Submit Appeal on Adjustments

Platform System users (law firms) send an appeal request against adjustments made by the reviewer to the LBA Interface Service, and the LBA Interface Service places the appeal request in a tenant-specific topic.

For more information, refer to [Submit Appeal on Adjustments](#).

## Send Appeal to the LBA Workbench

The Listener in the LBA Interface Service receives appeal requests, and the LBA Interface Service sends the appeal requests to the LBA Workbench.

## Send Appeal Expiration Notification

If workflow expiry occurs, Platform Systems send an Appeal expiration notification request to the LBA Interface Service. The LBA Interface Service places the notification request in a tenant-specific topic.

For more information, refer to [Send Appeal Expiration Notification](#).

# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

## Send Notification to the LBA Workbench

The Listener in the LBA Interface Service receives the Appeal expiry notification request, and the LBA Interface Service sends the notification request to the LBA Workbench.

## Submit Document Sync Refresh

When documents are added to, updated, or deleted from invoices, Platform Systems IDs are sent to the LBA Interface Service, and the LBA Interface Service places the document sync refresh request in a tenant-specific topic.

For more information, refer to [Submit Document Sync Refresh](#).

## Receive Document Sync Refresh

Platform System Adaptors make periodic calls to the LBA Interface Service to check for the availability of new document sync refresh. When a new document sync refresh is available for consumption, the LBA Interface Service fetches the document synchronization refresh from a Pulsar topic and shares it in the HTTP Response to Platform System Adaptors.

## Fetch Document Sync Refresh

Platform System Adaptors fetch the latest document details from respective Platform Systems and send the details to the LBA Interface Service. The LBA Interface Service places the document details in a tenant-specific topic.

For more information, refer to [Fetch Document Sync Refresh](#).

## Fetch Files

To check uploaded files or documents, Platform System Adaptors based on reference document IDs, fetch the latest files or documents for an Invoice/Matter ID.

For more information, refer to [Fetch Files](#).

## Upload Files

If documents are not readily available, Platform System Adaptors fetch the latest documents, based on the reference IDs, and upload the documents to the Communication Hub.

For more information, refer to [Upload Files](#).

The uploaded files return the document location path that will be submitted to the Communication Hub.

For more information, refer to [Submit Document Sync Refresh Details](#).

## Acknowledge Document Sync Refresh

Platform System Adaptors acknowledge document sync refresh processing to the next stage through the LBA Interface Service.

For more information, refer to [Acknowledge Document Sync Refresh](#).

## Submit Document Refresh Details

The Listener in the LBA Interface Service receives the latest document details, and the LBA Interface Service sends the details to the LBA Workbench.

## Final Status Update

Platform Systems sends the final status update request to the LBA Interface Service. The LBA Interface Service places the final status update request in a tenant-specific topic.

For more information, refer to [Submit Final Status](#).

## Receive Final Status

Platform System Adaptors make periodic calls to the LBA Interface Service to check for the availability of new invoice final status. When an invoice final status update is available for consumption, the LBA Interface Service fetches invoice final status from a Pulsar topic and shares it in the HTTP Response to Platform System Adaptors.

For more information, refer to [Fetch Final Status](#).

## Submit Final Details

Platform System Adaptors fetch final status details including post review adjustments from respective Platform Systems and send the details to the LBA Interface Service. The LBA Interface Service places the details in a tenant-specific topic.

For more information, refer to [Submit Final Details](#).

## Acknowledge Final Status

Platform System Adaptors acknowledge the final status processing to the next stage through the LBA Interface Service.

For more information, refer to [Acknowledge Final Status](#)

## Send Final Status to the LBA Workbench

The Listener in the LBA Interface Service receives the final details from the LBA Interface Service and sends the details to the LBA Workbench.

During any stage of the invoice review process, the following requests can be sent to the LBA-ME server:

### Fetch Active Matters

Platform System Adaptors make periodic calls to the Communication Hub to check and fetch active matter level updates.

For more information, refer to [Fetch Active Matters](#).

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## Matter Sync

Whenever there is change/update on matter level details after the last sync date happens, Platform System Adaptors fetch the latest details and upload them to the Communication Hub.

For more information, refer to [Matter Sync](#).

## Fetch Active Companies

Platform System Adaptors make periodic calls to the Communication Hub to check and fetch active company level updates.

For more information, refer to [Fetch Active Companies](#).

## Company Sync

When a change to or an update of company level details occurs after the last synchronization date, Platform System Adaptors fetch the latest details and upload them to the Communication Hub.

For more information, refer to [Company Sync](#).

## User Credentials

When a client's user credentials have expired, Platform Systems send the updated username and password to the Communication Hub. Workflow updates the details in the Platform System Adaptors database.

For more information, refer to [User Credentials](#).

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# LegalVIEW BillAnalyzer Market Expansion REST API

This section provides an overview and features of the LegalVIEW BillAnalyzer Market Expansion REST API services.

## Overview

Representational State Transfer (REST) is a software architecture for creating distributed hypermedia systems like the World Wide Web. Architectures that conform to the REST architecture are said to be “RESTful.” The LBA-Market Expansion REST API provides HTTPS access to LBA-Market Expansion instances.

The LegalVIEW BillAnalyzer Market Expansion REST API comprises of the following features:

- Organized around REST
- Uses predictable resource-oriented URLs
- Accepts JSON-encoded request bodies
- Returns JSON-encoded responses
- Uses standard HTTP response codes, authentication and verbs.

The LegalVIEW BillAnalyzer Market Expansion REST API supports HTTP PUT, POST, DELETE, and GET verbs. These verbs, with the proper URLs and message bodies, implement Create, Read, Update, and Delete (CRUD) operations in LegalVIEW BillAnalyzer Market Expansion.

## Benefits

The LegalVIEW BillAnalyzer Market Expansion REST web services provides several main benefits.

### *OAuth 2.0 Support*

LegalVIEW BillAnalyzer Market Expansion REST API supports OAuth 2.0 for authentication and authorization, which is a robust and reliable way to access data.

### *JSON-Encoded Request Bodies and Responses*

JSON (JavaScript Object Notation) is a lightweight data-interchange format, that is self-describing and easy to understand.

### *Easy Deployment*

REST has a flexible and lightweight architecture that provides easy deployment.

# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

## Features

This section describes LegalVIEW BillAnalyzer Market Expansion REST API features.

## Authorization

The LegalVIEW BillAnalyzer Market Expansion REST API uses OAuth 2.0 authorization framework for authorizing client requests.

Each API request requires a valid OAuth 2.0 access token as a bearer token in the request header. The LBA ME server uses the access token to validate incoming requests.

Clients can obtain an access token by sending a POST request to the LBA-ME server.

For more information, refer to [Authenticate to LBA-ME Server](#).

## Request Format

This section describes how to format LegalVIEW BillAnalyzer Market Expansion REST API requests. Each request includes the following parts:

- Request Method
- Request URL
- Request Header Parameters
- Request Body

## Request Method

The following table describes CRUD operations that can be performed by using the LegalVIEW BillAnalyzer Market Expansion REST API with example URLs for each operation and by specifying whether the method expects a request body.

Operation	Method	Example Resource Endpoint Path	Request Body
Submit Invoice	POST	{ {BASE_URL} } /api/v1/invoice/	JSON Object
Fetch invoice Status	GET	{ {BASE_URL} } /api/v1 invoice?status={ {STATUS} }	None

## Request URL

You can access LegalVIEW BillAnalyzer Market Expansion resources through the REST API by using URLs that are specific to each resource, and you can pass parameters in the query string to specify information that is required in the response.

The request URL includes:

**Base URL:** The base URL includes account-specific domain, with a unique account identifier, and the REST API service path.

Example: <https://oasis-dev-ga.dev.wkelms.com/>

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**Resource endpoint path:** A predictable resource endpoint path is provided for each supported entity.

Example: /invoices/

**Path Parameters:** The Resource endpoint path might include URL parameters.

Example: {id}-The invoice ID you want to submit.

## *Request Header Parameters*

The following common request header parameters are supported by LBA-ME REST API requests.

Value	Description
Base_URL	URL for the LegalVIEW BillAnalyzer Market Expansion server Example: https://oasis-dev-qa.dev.wkelms.com/lbainterface
Authorization	Access token for authorization to the LegalVIEW BillAnalyzer Market Expansion server The following is format for the parameter: Authorization: Bearer {{token}}
Content type	Multipurpose Internet Mail Extension (MIME) type that is used to format the request body This header is applicable to HTTP POST and PUT requests. The LBA-ME REST API supports the following value: Content-Type: application/json

## *Request Body*

POST requests must include a JSON-encoded request body, with the object to be created, or key-value pairs for the fields to be updated.

## *Response Format*

The response returned includes the following parts:

- Response Body
- HTTP Status codes

## *Response Body*

The response body is a JSON object, which includes a brief message and status about your request.

## *Response Header Values*

The following common header field names and values are returned in LBA-ME REST API responses.

Value	Description
Server	name of the server that created the request. For example: Server: Nginx
Date	Date and time that the LBA-ME REST API sent the response. For example: Server: Tues, 01 Feb 2021 16:42:08 GMT

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Value	Description
Content-type	Multipurpose Internet Mail Extension (MIME) type that is used to format the request body This header is applicable to HTTP POST and PUT requests. The LBA-ME REST API supports the following value: Content-Type: application/json
Cache-Control	cache policy that is defined by the server. For example: cache-control": "no-cache, no-store, max-age=0, must-revalidate
Transfer-Encoding	data encoding that is used for the response body. For example: Transfer-Encoding: chunked
Connection	Control options for the current connection. For example: Connection: Keep-Alive
Content-Encoding	Encoding type used for the response data. For example: Content-Encoding: gzip
Expires	Date/time after which the response is considered stale. For example: expires": "0"

## HTTP Status codes

LegalVIEW BillAnalyzer Market Expansion REST API uses conventional HTTP response codes to indicate the success or failure of a request.

The following common response codes and possible reasons apply to failed requests.

Response Code	Description	Reason
HTTP 200 OK	successful request.	The request succeeded.
HTTP 400	operation error	A validation error occurred. Mandatory fields are missing.
HTTP 401	Authentication error	The access token is invalid. Authentication failed
HTTP 403	Denial of permission to perform the request	The tenant is not provisioned in Communication Hub.
HTTP 404	page not found	The server cannot find what was requested.
HTTP 405	Application error	A problem occurred on the LBA-Market Expansion application end.

## Authenticate to LBA-ME Server

The LegalVIEW BillAnalyzer Market Expansion REST API POST request to authenticate a REST API client to the LegalVIEW BillAnalyzer Market Expansion server.

The LBA-ME Oasis server uses access token to validate incoming request. Using this request, clients generate an access token to obtain authenticated access for making REST API calls to LegalVIEW BillAnalyzer Market Expansion service. Each LBA-ME REST API request must include the authentication token in the request header.

### Workflow

Any Client system to LegalVIEW BillAnalyzer Market Expansion Server

### URL

POST {{UAA\_URL}}/oauth/token

Example UAA URL: <https://oasis-dev-qa.dev.wkelms.com/uaa>

### Request Header Parameters

The request header contains operating parameters for the POST request.

For more information, refer to [Request Header Parameters](#).

### Request Body

The request body is URL-encoded form data with the given request body values.

### Request Body Values

The following table describes request body values.

Value	Description
client-id	Platform System client ID For example: lbameqadocumentation_doctest
Client_secret	client secret token. For example: ffd73fbd-e37f-4090-90fe-081834f2979a
grant_type	Grant type For example: password
scope	Authorization Scope For example: openid
username	LBA-ME tenant-specific user name
password	LBA-ME tenant-specific password

The LBA-ME administrator provides request body values and, using these values, LBA-ME clients generate OAuth token to access LegalVIEW BillAnalyzer Market Expansion REST API services.

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## Response Body

The response body is a JSON object with the following format:

```
{  
  "access_token": "JWT token",  
  "token_type": "bearer", "  
  expires_in:"",  
  scope:"",  
  "tid": "",  
  "iat": 1614598385, "jti": "3269fb2e-4822-4c4e-98f4-e50b33a01ec2"}  
}
```

## Response Body Values

The following table describes response body values.

Value	Description
access_token	access token for authorization to the LBA-ME server You must have a valid access token before you can submit a request.
token_type	valid access token For example: Bearer {token}
expires_in	access token expiration time in seconds For example: 1799
tid	LegalVIEW BillAnalyzer Market Expansion Tenant ID

## Authentication Errors

The following common response codes and possible reasons apply to failed requests.

Response Code	Reason
400 Bad Request	The Authorization header in the request has an incorrect format for Bearer token authentication.
401 unauthorized	The bearer token in the request is invalid. Possible reasons: Invalid scope—Tokens are issued for a specific scope. The scope of the access token does not allow access to LBA-ME REST API. Expired access token—Access tokens are valid for the period that is specified in the application configuration in LBA-ME. Bad credentials—Authentication credentials are invalid for the requested resource.
404 Not found	Page not found—The requested endpoint does not exist at the location that is specified by the request URL.

## GET Requests for Invoices

The LegalVIEW BillAnalyzer Market Expansion REST API GET requests for invoices allow a LBA-ME REST API client to obtain information about an invoice, score and status, and to obtain matter-level or company-level updates to the invoices from the LBA-ME server.

The following table summarizes GET requests for invoices.

Request	Description
<a href="#">Fetch Invoice ID</a>	obtain a new invoice ID submitted for review from the LBA-ME server
<a href="#">Fetch Invoice Score</a>	obtain a updated invoice score for invoice from the LBA-ME server
<a href="#">Fetch Review Outcome Status</a>	obtain a updated invoice review status from the LBA-ME server
<a href="#">Fetch Document Sync Refresh</a>	obtain latest document details from the LBA-ME server
<a href="#">Fetch Files</a>	obtain list of updated files for an invoice/matter ID from the LBA-ME server
<a href="#">Fetch Final Status</a>	obtain a updated final status update from the LBA-ME server
<a href="#">Fetch Active Matters</a>	obtain matter level updates for an invoice/matter ID from the LBA-ME server
<a href="#">Fetch Active Companies</a>	obtain company level updates for an invoice/matter ID from the LBA-ME server

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## POST Requests for Invoices

The LegalVIEW BillAnalyzer Market Expansion REST API POST requests for invoices allow a LBA-ME REST API client to Post information about an invoice including invoice details, appeals, and matter/company level updates to the LBA-ME server.

The following table summarizes POST requests for invoices.

Request	Description
<a href="#">Submit Invoice ID</a>	send an invoice ID to the LBA-ME server for invoice review
<a href="#">Submit Invoice Details</a>	send Invoice details to LBA-ME server for invoice review
<a href="#">Acknowledge Invoice Status</a>	acknowledge invoice processing status
<a href="#">Submit Appeal on Adjustments</a>	send appeal request against adjustments that are made by the reviewer to the LBA-ME server
<a href="#">Send Appeal Expiration Notification</a>	send appeal expiration notification request to the LBA-ME server
<a href="#">Submit Document Sync Refresh</a>	send document synchronization refresh request to the LBA-ME server
<a href="#">Upload Files</a>	upload documents that are related to invoice to the AWS3 bucket
<a href="#">Submit Document Sync Refresh Details</a>	submit latest document details to the LBA Workbench
<a href="#">Matter Sync</a>	sync matter level updates for an invoice/matter ID from the LBA-ME server
<a href="#">Company Sync</a>	sync company level updates for an invoice/matter ID from the LBA-ME server
<a href="#">User Credentials</a>	send updated user credentials to the Platform System Adaptors database

# LegalVIEW BillAnalyzer Market Expansion Endpoints

This section describes LegalVIEW BillAnalyzer Market Expansion supported endpoints and methods that allow Platform Systems Clients to communicate with LBA Workbench for Invoice review process by placing requests for the updated Invoice Score, Review Status, Adjustments, and Appeals.

## Submit Invoice ID

Platform Systems clients use this request to submit an invoice ID to the Communication Hub for Invoice Review.

### Workflow

Platform System Adaptors to Communication Hub

#### URL

POST {{BASE\_URL}}/api/v1/invoice/submit

#### Request Header

The request header contains the following operating parameters for the POST request:

Host: BASE\_URL

Example: <https://oasis-dev-qa.dev.wkelms.com/lbainterface>

Authorization: Bearer {{token}}

To generate an access token, refer to [Authenticate to LBA-ME Server](#).

Content-Type: application/json

For more information, refer to [Request Header Parameters](#).

#### Request Body

The request body is a JSON object with the following format:

```
[{  
  "id": "",  
  "properties": {  
    "client_id": ""  
  }  
}]
```

# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

## *Request Body Values*

The following table describes request body values.

Value	Description
id	invoice ID
properties	additional properties that are required for future use
client_id	platform system client ID

## *Response Body*

The response body is a JSON object whose format depends on whether the request succeeded or one or more exceptions occurred.

### **Success**

A successful request returns a JSON object with the following format:

```
[ {  
  "id": "",  
  "status": "Success"  
}]
```

### **Failure**

A failed request returns a JSON object with a string containing a brief message about the status of your request.

```
[ {  
  "id": "",  
  "status": "Failure"  
}]
```

### **Duplicate**

A duplicate request returns a JSON object with a string containing a brief message about the status of your request and an error code.

```
[ {  
  "id": "",  
  "status": ""  
  "errorCode": "error description"  
}]
```

# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

## Response Body Values

The following table describes response body values.

Value	Description
id	invoice ID
status	invoice status upon submission
errorCode	HTTP response status code
errorDescription	description of the error

## HTTP Status codes

For information about HTTP status codes, refer to [HTTP Status codes](#).

## Fetch Invoice ID

Platform System Adaptors use this request to fetch the status of an invoice that is submitted for review to the Communication Hub.

### Workflow

Platform System Adaptors to Communication Hub

### URL

GET {{BASE\_URL}}/api/v1/invoice?status=NEW

### Request Header

The request header contains the following operating parameters for the POST request:

Host: BASE\_URL

Example: <https://oasis-dev-qa.dev.wkelms.com/lbainterface>

Authorization: Bearer {{token}}

To generate an access token, refer to [Authenticate to LBA-ME Server](#).

Content-Type: application/json

For more information, refer to [Request Header Parameters](#).

### Response Body

The response body is a JSON object whose format depends on whether the request succeeded or one or more exceptions occurred.

# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

## Success

A successful request returns a JSON object with the following format:

```
{  
  "id": "string",  
  "properties": {}  
}
```

## Failure

A failed request returns a JSON object with a string containing a brief message about the status of your request.

```
{  
  "type": "",  
  "title": "",  
  "status": ,  
  "detail": "",  
  "message": ""  
}
```

## *Response Body Values*

The following table describes response body values.

Value	Description
id	invoice ID
properties	additional properties that are required for future use
status	invoice status upon submission
detail	details of the message
message	error message

## *HTTP Status codes*

For information about HTTP status codes, refer to [HTTP Status codes](#).

## *Submit Invoice Details*

Platform System Adaptors use this request to submit invoice details to the Communication Hub for review.

## *Workflow*

Platform System Adaptors to Communication Hub

LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

## URL

```
POST {{BASE_URL}}/api/v1/invoice/details/submit
```

## *Request Header*

The request header contains the following operating parameters for the POST request:

Host: BASE URL

**Example:** <https://oasis-dev-qa.dev.wkelms.com/lbainterface>

Authorization: Bearer {{token}}

To generate an access token, refer to [Authenticate to LBA-ME Server](#).

**Content-Type:** application/json

For more information, refer to [Request Header Parameters](#).

## *Request Body*

The request body is a JSON object with the following format:

```
[  
{  
  "adjustments": [  
    {  
      "afa": {  
        "id": "string",  
        "isRecalculationEnabled": "string",  
        "type": "string"  
      },  
      "amount": "string",  
      "appliedTo": "string",  
      "date": "string",  
      [  
        {  
          "adjustments": [  
            {  
              "afa": {  
                "id": "string",  
                "isRecalculationEnabled": "string",  
                "type": "string"  
              },  
              "amount": "string",  
              "appliedTo": "string",  
              "date": "string",  
              "type": "string"  
            }  
          ]  
        }  
      ]  
    }  
  ]  
}
```

# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

```
"appliedTo": "string",
"date": "string",
"excludeLBAREview": "string",
"fastPayDiscount": "string",
"grossAmount": "string",
"invoiceSystemId": "string",
"isPartialPayEnabled": "string",
"lineItems": [
{
"activityCode": "string",
"activityCodeName": "string",
"adjustments": [
{
"afa": {
"id": "string",
"isRecalculationEnabled": "string",
"type": "string"
},
"amount": "string",
"appliedTo": "string",
"date": "string",
"description": "string",
"enteredBy": "string",
"narrative": "string",
"type": "string",
"typeCode": "string"
}
],
"amount": "string",
"dateOfService": "string",
"description": "string",
"discount": "string",
"expenseCode": "string",
"expenseCodeName": "string",
"expensePhaseCode": "string",
"expensePhaseCodeName": "string",
"id": "string",
```

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# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

```
"orderIndex": "string",
"rate": "string",
"taskCode": "string",
"taskCodeName": "string",
"taskPhaseCode": "string",
"taskPhaseCodeName": "string",
"timekeeperId": "string",
"timekeeperRole": "string",
"type": "string",
"units": "string",
"warningMessages": [
  "string"
]
}
],
"matter": {
  "budget": [
    {
      "id": "string",
      "amount": "string",
      "currency": "string",
      "dynamicFields": [
        {
          "name": "string",
          "value": "string"
        }
      ],
      "id": "string",
      "name": "string",
      "type": "string"
    }
  ],
  "documents": [
    {
      "description": "string",
      "location": "string",
      "name": "string"
    }
  ]
}
```

DRAFT

# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

```
}

],
"dynamicFields": [
{
"name": "string",
"value": "string"
},
],
"id": "string",
"name": "string",
"number": "string",
"openDate": "string",
"responsibleProfessional": "string",
"workArea": [
"string"
],
},
"network": {
"clientId": "string", (Optional)
"dynamicFields": [
{
"name": "string",
"value": "string"
}
]
},
"number": "string",
"percentOfResponsibility": "string",
"processingDiscount": "string",
"receivedDate": "string",
"startDate": "string",
"submittedBy": "string",
"taxAmount": "string",
"timekeeperDetails": [
{
"dateAdmitted": "string",
"firstName": "string",
"lastName": "string",
"middleName": "string"
}
]
```

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# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

```
"lastName": "string",
"officeCity": "string",
"officeState": "string",
"timekeeperId": "string",
"timekeeperYearPassBar": "string"
}
],
"warningMessages": [
"string"
]
}
]
```

## Request Body Values

The following table describes request body values.

Value	Description
id	AFA ID
isRecalculationEnabled	whether AFA recalculation is true/false
Type	AFA Type
amount	adjusted amount
appliedTo	field for which the adjustment is applied to
date	adjustment date
description	description about the adjustment
enteredBy	name of the platform reviewer who requested the adjustment
narrative	narratives related to the adjustment
type	adjustment type
typeCode	budget type code, whether it is fee or expense
applicableFeeArrangements	Whether AFA is applicable or not
baseCurrency	currency field
billedAmount	total amount of the invoice
id	company ID
name	company name
type	company type

# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

Value	Description
createDate	invoice created date
currency	invoice currency
description	description about the Invoice
narrative	narrative of the document
location	location where document is stored
name	name of the document
dynamicFields	invoice level dynamic fields
endDate	invoice end date
exchangeRate	currency exchange rate
excludeLBAReview	Whether invoice got excluded from LBA review
fastPayDiscount	fast pay discount amount
grossAmount	billed amount
invoiceSystemId	Invoice ID
isPartialPayEnabled	whether the PartialPayEnabled field is enabled or not
activityCode	activity code
activityCodeName	name of the activity code
isRecalculationEnabled	whether the recalculation is enabled or not
amount	billed amount
date	line item date
description	description of the line item
enteredBy	person who entered the line item
narrative	narrative related to the line item
type	type of adjustment
typeCode	budget type code, whether it is fee or expense
amount	line item total amount
dateOfService	line item service date
description	Description of the line item
discount	discounted amount from the total amount
expenseCode	expense type code
expenseCodeName	expense code name

# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

Value	Description
expensePhaseCodeName	expense phase code name
expensePhaseCode	expense phase code
id	line item ID
orderIndex	line item index number
rate	amount to be entered
taskCode	task type code
taskCodeName	task code name
taskPhaseCode	task phase code
timekeeperId	timekeeper ID
timekeeperRole	timekeeper role associated
type	line item type
units	units per hour
WarningMessages	line item warning messages
id	budget ID
amount	budget amount
currency	budget currency
dynamicFields	matter budget dynamic fields
documents	matter documents
description	description of the matter document
location	location of the matter document
name	name of the matter document
id	ID of the matter
name	name of the matter
number	number for the matter
openDate	open date of the matter
responsibleProfessional	primary internal contact for the matter
workArea	Practice area business unit for the matter
clientId	platform system client ID
dynamicFields	network level dynamic fields
number	invoice number

# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

Value	Description
percentOfResponsibility	percent of company responsibility
processingDiscount	discount amount
receivedDate	invoice received date
startDate	invoice start date
submittedBy	invoice submitted by
taxAmount	tax amount
dateAdmitted	timekeeper admitted date
firstName	first name of the timekeeper
lastName	last name of the timekeeper
officeCity	name of the city where the organization is located
officeState	name of the state where the organization is located
timekeeperId	unique number within an organization that is assigned to a timekeeper
timekeeperYearPassBar	date of passing bar exam
warningMessages	Invoice level warning messages

## Response Body

The response body is a JSON object whose format depends on whether the request succeeded or one or more exceptions occurred.

### Success

A successful request returns a JSON object with the following format:

```
[ {  
  "id": "",  
  "status": "Success"  
}]
```

### Failure

A failed request returns a JSON object with a string containing a brief message about the status of your request.

```
[ {  
  "id": "",  
  "status": "Failure"  
}]
```

# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

## Response Body Values

The following table describes response body values.

Request	Description
id	invoice ID
status	invoice status, upon submission

## HTTP Status codes

For information about HTTP status codes, refer to [HTTP Status codes](#).

## Upload Files

Platform System Adaptors use this request to fetch the latest documents, based on the reference IDs, and upload them to the Communication Hub.

### Workflow

Platform System Adaptors to Communication Hub

### URL

POST {{BASE\_URL}}/api/v1/invoice/upload

### Request Header

The request header contains the following operating parameters for the POST request:

Host: BASE\_URL

Example: <https://oasis-dev-qa.dev.wkelms.com/lbainterface>

Authorization: Bearer {{token}}

To generate an access token, refer to [Authenticate to LBA-ME Server](#).

Content-Type: application/json

For more information, refer to [Request Header Parameters](#).

### Request Body

The request body is a JSON object with the following format:

```
id: ""  
entityName: "invoice/Matter level documents"  
path: "Document path"
```

# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

## Request Body Values

The following table describes request body values.

Value	Description
Id	invoice ID
entityName	name of the entity
Path	location path of the file to be uploaded

## Response Body

The response body is a JSON object whose format depends on whether the request succeeded or one or more exceptions occurred.

### Success

A successful request returns a JSON object with the following format.

dev/lba1256nwhf1/invoice/106218/Documents/417649\_Test\_Strategy.docx

### Failure

A failed request returns a response from AWS service.

## HTTP Status codes

For more information about HTTP status codes, refer to [HTTP Status codes](#).

## Acknowledge Invoice Status

Platform System Adaptors use this request to acknowledge successful processing of Invoice ID, Status, Score, Review Outcome Status, Document Synchronization Refresh, and Final Status.

## Workflow

Platform System Adaptors to Communication Hub

### URL

POST {{BASE\_URL}}/api/v1/invoice/ acknowledge

#### Acknowledgment Statuses:

NEW, SCORE\_RECEIVED, ADJUSTMENTS\_RECEIVED, REFRESH\_REQUESTED, FINAL\_INTERMEDIATE\_RECEIVED

## Request Header

The request header contains the following operating parameters for the POST request:

Host: BASE\_URL

Example: <https://oasis-dev-qa.dev.wkelms.com/lbainteface>

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Authorization: Bearer {{token}}

To generate an access token, refer to [Authenticate to LBA-ME Server](#).

Content-Type: application/json

For more information, refer to [Request Header Parameters](#).

## Request Body

The request body is a JSON object with the following format:

```
{  
  "status": "",  
  "invoiceId": "",  
  "actionStatus": "",  
}
```

## Request Body Values

The following table describes request body values.

Request	Description
Status	invoice status, upon submission
Invoice Id	ID of the invoice
actionStatus	Request processing values: SUCCESS, PARTIAL, FAILURE, ABORTED

## Response Body

The response body is a JSON object whose format depends on whether the request succeeded or one or more exceptions occurred.

### Success

A successful request returns a JSON object.

```
{"status": "",  
 "invoiceId": "",  
 "actionStatus": "",  
 "responseStatus": ""}
```

### Failure

A failed request returns HTTP Status code.

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## Response Body Values

The following table describes response body values.

Request	Description
Status	invoice status, upon submission
Invoice Id	ID of the invoice
actionStatus	Request processing values: SUCCESS, PARTIAL, FAILURE, ABORTED
responseStatus	HTTP status response codes

## HTTP Status codes

For information about HTTP status codes, refer to [HTTP Status codes](#).

## Fetch Invoice Score

Platform System Adaptors use this request to fetch an updated **Invoice Score** for an Invoice that is submitted for review from the Communication Hub.

### Workflow

Platform System Adaptors to Communication Hub

### URL

GET {{BASE\_URL}}/api/v1/invoice?status= SCORE\_RECIEVED

### Request Header

The request header contains the following operating parameters for the POST request:

Host: BASE\_URL

Example: <https://oasis-dev-qa.dev.wkelms.com/lbainterface>

Authorization: Bearer {{token}}

To generate an access token, refer to [Authenticate to LBA-ME Server](#).

Content-Type: application/json

For more information, refer to [Request Header Parameters](#).

### Response Body

The response body is a JSON object whose format depends on whether the request succeeded or one or more exceptions occurred.

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## Success

A successful request returns a JSON object with the following format:

```
[  
 {  
 "id": " ",  
 "riskGrade": "",  
 "status": "",  
 "dynamicFields": [{  
 "key": "",  
 "value": ""  
 }],  
 "output1": "",  
 "output2": "",  
 "output3": "",  
 "lineItems": [{  
 "id": "",  
 "mlScore": "",  
 "recommendedAdjustmentLevel": "",  
 "adjustmentReason": "",  
 "adjustmentDescription": "",  
 "output1": "",  
 "output2": "",  
 "output3": "",  
 "recommendedAdjustmentAmount": "",  
 "recommendedAdjustmentType": "",  
 "successAppealPercentage": "",  
 "dynamicFields": [{  
 "key": "",  
 "value": ""  
 }]  
 }]  
 }
```

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## Failure

A failed request returns a JSON object with a string containing a brief message about the status of your request.

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```
{  
  "type": "",  
  "title": "",  
  "status": ,  
  "detail": "",  
  "message": ""  
}
```

## Response Body Values

The following table describes response body values.

Request	Description
id	invoice ID
riskGrade	grade type for the line item
status	status of the invoice score
id	line item ID
recommendedAdjustmentLevel	recommended adjustment level of the line Item
adjustmentReason	reason for the line item adjustment
adjustmentDescription	description for the line item adjustment
recommendedAdjustmentAmount	recommended adjustment amount of the line item
recommendedAdjustmentType	recommended adjustment type of the line item
successAppealPercentage	success appeal percentage

## HTTP Status codes

For more information about HTTP status codes, refer to [HTTP Status codes](#).

## Acknowledge Invoice Score

Platform System Adaptors use this request to acknowledge successful processing of an Invoice Score to the next stage through the Communication Hub.

For more information, refer to [Acknowledge Invoice Status](#).

## Fetch Review Outcome Status

Platform System Adaptors use this request to fetch updated adjustments for an Invoice that is submitted for review to the Communication Hub.

# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

## Workflow

Platform System Adaptors to Communication Hub

## URL

GET {{BASE\_URL}}/api/v1/invoice?status=ADJUSTMENTS\_RECEIVED

## Request Header

The request header contains the following operating parameters for the POST request:

Host: BASE\_URL

Example: <https://oasis-dev-qa.dev.wkelms.com/lbainterface>

Authorization: Bearer {{token}}

To generate an access token, refer to [Authenticate to LBA-ME Server](#).

Content-Type: application/json

For more information, refer to [Request Header Parameters](#).

## Response Body

The response body is a JSON object whose format depends on whether the request succeeded or returned one or more exceptions.

### Success:

A successful request returns a JSON object with the following format:

```
[ {  
  "id": "",  
  "outcome": "",  
  "rejectedReasonCodes" : [ "", "" ],  
  "remarks": [{  
    "internal": "",  
    "external": ""  
  }],  
  "reviewerName": "",  
  "lineItems": [{  
    "id": "", //  
    "remarks": [{  
      "internal": "comments to platform",  
      "external": "comments required to send to law firm"  
    }],  
    "adjustments": [{
```

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```
"id": "",  
"isAppealAdjustment": "",  
"action": "", //  
"guidelineCode": "",  
"date": "",  
"narrative": "",  
"reason": "",  
"type": "", //rate, units, amount, percentageOfAdjustment,  
"adjustBy": "",  
"adjustedAmount": "",  
"adjustmentContext": "",  
"reviewerName": ""  
}  
]  
]  
}  
]  
]
```

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## Failure

A failed request returns a JSON object with a string containing a brief message about the status of your request.

```
{  
"type": "",  
"title": "",  
"status": ,  
"detail": "",  
"message": ""  
}
```

## Response Body Values

The following table describes response body values.

Value	Description
id	invoice ID
Outcome	outcome of the request
rejectedReasonCodes	reason code for rejection
reviewerName	final approver name or reviewer who rejected the invoice
id	line item ID, unique to the invoice
remarks internal	comments required to send to platform

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Value	Description
remarks external	comments required to send to law firm
id	adjustment ID, unique to the invoice generated at the LBA Workbench
action	action taken on invoice
date	adjustment date
narrative	narrative for the adjustment
reason	reason for the adjustment
type	field type
adjustBy	adjust by value
adjustedAmount	adjusted amount value
adjustmentContext	original or current adjusted value
reviewerName	name of the reviewer

## HTTP Status codes

For more information about HTTP status codes, refer to [HTTP Status codes](#).

## Acknowledge Review Outcome Status

Platform System Adaptors use this request to acknowledge successful processing of review outcome status to the next stage through the LBA Interface Service.

For more information, refer to [Acknowledge Invoice Status](#).

## Submit Appeal on Adjustments

Platform Systems use this request to submit Appeal requests against the adjustments for an invoice that are made by the reviewer to the LBA Workbench.

### Workflow

Platform Systems to Communication Hub

### URL

POST {{BASE\_URL}}/api/v1/invoice/appeal/submit

### Request Header

The request header contains the following operating parameters for the POST request:

Host: BASE\_URL

Example: <https://oasis-dev-qa.dev.wkelms.com/lbainterface>

# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

Authorization: Bearer {{token}}

To generate an access token, refer to [Authenticate to LBA-ME Server](#).

Content-Type: application/json

For more information, refer to [Request Header Parameters](#).

## Request Body

The request body is a JSON object with the following format:

```
{  
  "adjustments": [ {  
    "type": "",  
    "typeCode": "",  
    "appliedTo": "",  
    "date": "",  
    "amount": "",  
    "enteredBy": "",  
    "description": "",  
    "narrative": "",  
    "afa": {  
      "type": "",  
      "id": ""  
    }  
  },  
  {  
    "lineItems": [ {  
      "lineItemId": "",  
      "appealDate": "",  
      "appealedBy": "",  
      "appealNarrative": "",  
      "appealAmount": "",  
    }],  
    "notifications" : [  
      {  
        "type" : "",  
        "details": [ {  
          "name": "",  
          "value": ""  
        }]  
    ]  
  ]  
}
```

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```
}
```

```
]
```

```
}
```

## Request Body Values

The following table describes request body values.

Value	Description
type	adjustment type
typecode	adjustment type code
date	adjusted date by the platform reviewer
amount	adjusted amount
enteredBy	name of the platform reviewer who adjusted
description	adjustment reason given by reviewer
narrative	narrative for the adjustment
lineItemId	line item ID, unique to the invoice
appealDate	date when the appeal raised
appealedBy	person who is doing the appeal
appealNarrative	narrative of the appeal
appealAmount	amount appealed based on the adjustment by the LBA reviewer
type	type of notification

## Response Body

The response body is a JSON object whose format depends on whether the request succeeded or one or more exceptions occurred.

### Success

A successful request returns a JSON object with the following format:

```
[ {  
  "id": "",  
  "status": "Success"  
}]
```

### Failure

A failed request returns a JSON object with a string containing a brief message about the status of your request.

# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

```
[  
  {  
    "id": "",  
    "status": "Failure"  
  }]  
}]
```

## Duplicate

If any previous adjustments found, a failed request returns a JSON object with a string containing a brief message about the status of your request.

```
[  
  {  
    "id": "",  
    "status": ""  
    "errorCode": "error description"  
  }]  
]
```

## Response Body Values

The following table describes response body values.

Value	Description
ID	platform system client invoice ID
status	invoice status, upon submission
errorCode	HTTP response status code
errorDescription	description of the error

## HTTP Status codes

For more information about HTTP status codes, refer to [HTTP Status codes](#).

## Send Appeal Expiration Notification

If workflow expiration occurs, Platform Systems users (law firms) use this request to send an appeal expiration notification request to the Communication Hub.

## Workflow

Platform Systems to the Communication Hub

## URL

POST {{BASE\_URL}}/api/v1/notification

## Request Header

The request header contains the following operating parameters for the POST request:

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Host: BASE\_URL

Example: <https://oasis-dev-qa.dev.wkelms.com/lbainteface>

Authorization: Bearer {{token}}

To generate an access token, refer to [Authenticate to LBA-ME Server](#).

Content-Type: application/json

For more information, refer to [Request Header Parameters](#).

## Request Body

The request body is a JSON object with the following format:

```
[  
  {  
    "notifications" : [  
      {  
        "type" : "APPEAL_EXPIRATION",  
        "details": [  
          {"name": "",  
           "value": ""  
        ]  
      ]  
    ]  
  ]  
]
```

## Request Body Values

The following table describes request body values.

Value	Description
type	type of notification, platform system is sending
details	description of the notification

## Response Body

The response body is a JSON object whose format depends on whether the request succeeded or one or more exceptions occurred.

### Success

A successful request returns a JSON object with the following format:

```
[  
  {  
    "id": "",  
    "status": "Success"  
  ]
```

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## Failure

A failed request returns a JSON object with a string containing a brief message about the status of your request.

```
[  
  {  
    "id": "",  
    "status": "Failure"  
  }]
```

## Duplicate

A duplicate request returns a JSON object with a string containing a brief message about the status of your request and an error code.

```
[  
  {  
    "id": "",  
    "status": ""  
    "errorCode": ""  
  }]
```

## Response Body Values

The following table describes response body values.

Value	Description
id	invoice ID
status	status of the invoice submitted

## HTTP Status codes

For more information about HTTP status codes, refer to [HTTP Status codes](#).

## Submit Document Sync Refresh

When documents are added to, updated, or deleted from an invoice, the Platform Systems and third-party clients) use this request to send updated document IDs to the Communication Hub.

## Workflow

Platform Systems to the Communication Hub

## URL

```
POST {{BASE_URL}}/api/v1/invoice-sync
```

## Request Header

The request header contains the following operating parameters for the POST request:

# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

Host: BASE\_URL

Example: <https://oasis-dev-qa.dev.wkelms.com/lbainteface>

Authorization: Bearer {{token}}

To generate an access token, refer to [Authenticate to LBA-ME Server](#).

Content-Type: application/json

For more information, refer to [Request Header Parameters](#).

## *Request Body*

The request data is a JSON object with the following format:

```
[  
 {  
   "id": "string",  
   "related": [  
     {  
       "referenceIds": [  
         "string"  
       ],  
       "scope": "",  
       "type": "string"  
     }  
   ]  
 }  
 ]
```

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## *Request Body Values*

The following table describes request body values.

Request	Description
Id	Platform system invoice ID
referenceId	document ID
Scope	scope: All or Specific
Type	documents

## *Response Body*

The response body is a JSON object whose format depends on whether the request succeeded or one or more exceptions occurred.

# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

## Success

A successful request returns a JSON object with the following format:

```
[  
  {  
    "id": "",  
    "status": "Success"  
  }]  

```

## Failure

A failed request returns a JSON object with a string containing a brief message about the status of your request.

```
[  
  {  
    "id": "",  
    "status": "Failure"  
  }]  

```

## Response Body Values

The following table describes response body values.

Value	Description
id	Invoice ID
status	Invoice status, upon submission

## HTTP Status codes

For more information about HTTP status codes, refer to [HTTP Status codes](#).

## Fetch Document Sync Refresh

The Platform System Adaptors use this request to fetch the latest document details from Platform Systems and update to the Communication Hub.

## Workflow

Platform System Adaptors to the Communication Hub

## URL

```
GET {{BASE_URL}}/api/v1/invoice?status=REFRESH_REQUESTED
```

## Request Header

The request header contains the following operating parameters for the POST request:

Host: BASE\_URL

Example: <https://oasis-dev-qa.dev.wkelms.com/lbainteface>

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Authorization: Bearer {{token}}

To generate an access token, refer to [Authenticate to LBA-ME Server](#).

Content-Type: application/json

For more information, refer to [Request Header Parameters](#).

## *Response Body*

The response body is a JSON object whose format depends on whether the request succeeded or one or more exceptions occurred.

### **Success**

A successful request returns a JSON object with the following format:

```
[ {  
  "id": "string",  
  "related": [  
    {  
      "referenceIds": [  
        "string"  
      ],  
      "scope": "",  
      "type": ""  
    }  
  ]  
}
```

### **Failure**

A failed request returns a JSON object with a string containing a brief message about the status of your request. {

```
  "type": "",  
  "title": "",  
  "status": ,  
  "detail": "",  
  "message": ""  
}
```

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## Response Body Values

The following table describes response body values.

Request	Description
id	invoice ID
referenceIds	document ID
scope	scope: All or Specific
type	documents
title	title of the document
status	invoice status, upon submission
detail	details of the message
message	error message

## HTTP Status codes

For more information about HTTP status codes, refer to [HTTP Status codes](#).

## Acknowledge Document Sync Refresh

Platform System Adaptors use this request to acknowledge successful processing of document synchronization refresh to the next stage through the Communication Hub.

For more information, refer to [Acknowledge Invoice Status](#).

## Submit Document Sync Refresh Details

Platform System Adaptors use this request to submit updated document details with document upload locations to the Communication Hub.

## Workflow

Platform System Adaptors to Communication Hub

## URL

POST {{BASE\_URL}}/api/v1/invoice/details/refreshSubmit

## Request Header

The request header contains the following operating parameters for the POST request:

Host: BASE\_URL

Example: <https://oasis-dev-qa.dev.wkelms.com/lbainteface>

# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

Authorization: Bearer {{token}}

To generate an access token, refer to [Authenticate to LBA-ME Server](#).

Content-Type: application/json

For more information, refer to [Request Header Parameters](#).

## Request Body

The request data is a JSON object with the following format:

```
[ {  
  "invoiceSystemId": "",  
  "network": {  
    "clientId": "", (optional)  
  },  
  "documents": [ {  
    "name": "",  
    "description": "",  
    "location": ""  
  }, {  
    "name": "",  
    "description": "",  
    "location": ""  
  ]  
}
```

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## Request Body Values

The following table describes request body values.

Request	Description
invoiceSystemId	invoice ID
network	name of the network
clientId	platform system client ID
Name	name of the document
Description	description of the document
Location	location of the document

## Response Body

The response body is a JSON object whose format depends on whether the request succeeded or one or more exceptions occurred.

# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

## Success

A successful request returns a JSON object with the following format:

```
[ {  
  "id": "",  
  "status": "Success"  
}]
```

## Failure

A failed request returns a JSON object with a string containing a brief message about the status of your request.

```
[ {  
  "id": "",  
  "status": "Failure"  
}]
```

## Response Body Values

The following table describes response body values.

Request	Description
id	invoice ID
status	invoice status, upon submission

## HTTP Status codes

For more information about HTTP status codes, refer to [HTTP Status codes](#).

## Submit Final Status

Platform Systems use this request to submit final updated invoice status to the Communication Hub

## Workflow

Platform Systems to the Communication Hub

## URL

POST {{BASE\_URL}}/api/v1/invoice/status/submit

## Request Header

The request header contains the following operating parameters for the POST request:

Host: BASE\_URL

Example: <https://oasis-dev-qa.dev.wkelms.com/lbainteface>

# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

Authorization: Bearer {{token}}

To generate an access token, refer to [Authenticate to LBA-ME Server](#).

Content-Type: application/json

For more information, refer to [Request Header Parameters](#).

## Request Body

The request body is a JSON object with the following format:

```
[{  
  "id": "",  
  "status": "",  
  "remarks": ""  
}]
```

## Request Body Values

The following table describes request body values.

Request	Description
ID	invoice ID
Status	invoice status, upon submission

## Response Body

The response body is a JSON object whose format depends on whether the request succeeded or one or more exceptions occurred.

### Success

A successful request returns a JSON object with the following format:

```
[{  
  "id": "",  
  "status": "Success"  
}]
```

### Failure

A failed request returns a JSON object with a string containing a brief message about the status of your request.

```
[{  
  "id": "",  
  "status": "Failure"  
}]
```

# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

## Duplicate

A Duplicate request returns a JSON object with a string containing a brief message about the status of your request.

```
[{  
  "id": "",  
  "status": ""  
  "errorCode": "error description"}]
```

## Response Body Values

The following table describes response body values.

Request	Description
Id	invoice ID
Status	invoice status, upon submission
errorCode	HTTP response status codes
errorDescription	description of the error

## HTTP Status codes

For more information about HTTP status codes, refer to [HTTP Status codes](#).

## Fetch Final Status

Platform Systems use this request to fetch final updated invoice status from the Communication Hub.

## Workflow

Platform Systems to the Communication Hub

## URL

```
GET {{BASE_URL}}/api/v1/invoice?status=FINAL_INTERMEDIATE_RECEIVED
```

## Request Header

The request header contains the following operating parameters for the POST request:

Host: BASE\_URL

Example: <https://oasis-dev-qa.dev.wkelms.com/lbainterface>

Authorization: Bearer {{token}}

To generate an access token, refer to [Authenticate to LBA-ME Server](#).

Content-Type: application/json

# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

For more information, refer to [Request Header Parameters](#).

## *Response Body*

The response body is a JSON object whose format depends on whether the request succeeded or one or more exceptions occurred.

### **Success**

A successful request returns a JSON object with the following format:

```
[{  
  "id": "",  
  "status": "Success" ,  
  "remarks": ""  
}]
```

### **Failure**

A failed request returns a JSON object with a string containing a brief message about the status of your request.

```
[{  
  "id": "",  
  "status": "Failure"  
}]
```

### **Duplicate**

A duplicate request returns a JSON object with a string containing a brief message about the status of your request.

```
[{  
  "id": "",  
  "status": ""  
  "errorCode": "error description"  
}]
```

## *Response Body Values*

The following table describes response body values.

Request	Description
Id	invoice ID
Status	invoice status, upon submission
errorCode	HTTP response status codes
errorDescription	description of the error

# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

## *HTTP Status codes*

For more information about HTTP status codes, refer to [HTTP Status codes](#).

## Acknowledge Final Status

Platform System Adaptors use this request to acknowledge successful processing of invoice final status to the next stage through the Communication Hub.

For more information, refer to [Acknowledge Invoice Status](#).

## Submit Final Details

Platform System Adaptors use this request to send final updated details to the Communication Hub.

### *Workflow*

Platform System Adaptors to Communication Hub

#### *URL*

POST {{BASE\_URL}}/api/v1/invoice/details/finalSubmit

#### *Request Header*

The request header contains the following operating parameters for the POST request:

Host: BASE\_URL

Example: <https://oasis-dev-qa.dev.wkelms.com/lbainterface>

Authorization: Bearer {{token}}

To generate an access token, refer to [Authenticate to LBA-ME Server](#).

Content-Type: application/json

For more information, refer to [Request Header Parameters](#).

#### *Request Body*

The request data is a JSON object with the following format:

```
{  
  "id": "",  
  "status": [{  
    "id": "",  
    "status": "Paid", //Paid/Rejected  
  }],  
  "remarks": "",  
  "postReviewChanges": {
```

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```
"adjustments": [ {  
    "type": "",  
    "typeCode": "",  
    "appliedTo": "",  
    "date": "",  
    "amount": "",  
    "enteredBy": "",  
    "description": "",  
    "narrative": "",  
    "afa": {  
        "type": "",  
        "id": ""  
    }  
},  
    "lineItems": [ {  
        "id": "",  
        "adjustments": [  
            {  
                "type": "",  
                "typeCode": "",  
                "appliedTo": "",  
                "date": "",  
                "amount": "",  
                "enteredBy": "",  
                "description": "",  
                "narrative": "",  
                "afa": {  
                    "type": "",  
                    "id": ""  
                },  
                "review" : null  
            }, {  
                "type": "",  
                "typeCode": "",  
                "appliedTo": "",  
                "date": "",  
                "amount": "",  
                "enteredBy": "",  
                "description": "",  
                "narrative": "",  
                "afa": {  
                    "type": "",  
                    "id": ""  
                }  
            }  
        ]  
    }  
]
```

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```
"enteredBy": "",  
"description": "",  
"narrative": "",  
"afa": null,  
"review" : null  
, {  
"type": "",  
"typeCode": "",  
"appliedTo": "",  
"date": "", date  
"amount": "",  
"enteredBy": "",  
"description": "",  
"narrative": "",  
"afa": null,  
"review" : { //  
"type" : "",  
"status" : "",  
"date" : "",  
"amount" : "",  
"enteredBy" : "",  
"narrative" : ""  
"adjustReason" : ""  
}  
}  
]  
}  
}  
}
```

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## Request Body Values

The following table describes request body values.

Value	Description
Id	invoice ID
status	invoice status, upon submission
type	type of the adjustment

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Value	Description
typeCode	type code for the adjustment
appliedTo	field to which adjustment is applied
date	adjusted date by platform reviewer
amount	adjustment amount
entered by	platform reviewer name who adjusted
description	adjustment reason given by reviewer
narrative	narrative for the adjustment
type	AFA type
id	AFA ID
id	line item ID
type	type of the adjustment
typeCode	type code for the adjustment
appliedTo	field to which adjustment is applied
date	line item date
amount	line item amount
enteredBy	name of the platform reviewer who adjusted
description	adjustment reason given by reviewer
narrative	narrative for the adjustment

## Response Body

The response body is a JSON object whose format depends on whether the request succeeded or one or more exceptions occurred.

### Success

A successful request returns a JSON object with the following format:

```
[ {  
  "id": "",  
  "status": "Success"  
}]
```

# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

## Failure

A failed request returns a JSON object with a string containing a brief message about the status of your request.

```
[  
  {  
    "id": "",  
    "status": "Failure"  
  }]
```

## Response Body Values

The following table describes response body values.

Value	Description
id	invoice ID
status	invoice status, upon submission

## HTTP Status codes

For more information on HTTP status codes, refer to [HTTP Status codes](#).

## Fetch Files

Platform System Adaptors use this request to fetch latest documents, based on reference IDs, and upload them to the Communication Hub.

### Workflow

Platform System Adaptors to the Communication Hub

### URL

GET {{BASE\_URL}}/api/v1/invoice/fetchfiles?entityName={{entity}}&id={{id}}

Entity: Invoice/Matter

Id: Invoice ID

### Request Header

The request header contains the following operating parameters for the POST request:

Host: BASE\_URL

Example: <https://oasis-dev-qa.dev.wkelms.com/lbainterface>

Authorization: Bearer {{token}}

To generate an access token, refer to [Authenticate to LBA-ME Server](#).

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Content-Type: application/json

For more information, refer to [Request Header Parameters](#).

## Response Body

The response body is a JSON object whose format depends on whether the request succeeded or one or more exceptions occurred.

### Success

A successful request returns a JSON object with the following format:

```
[  
  "dev/lba1256nwhf1/invoice/106218/Documents/TestDoc1.docx",  
  "dev/lba1256nwhf1/invoice/106218/Documents/TestDoc2.docx",  
  "dev/lba1256nwhf1/invoice/106218/Documents/TestDoc3.docx"  
]
```

### Failure

A failed request returns HTTP Status code.

## Response Body Values

The following table describes response body values.

Value	Description
status	HTTP status code
path	location path of the file uploaded
message	error message

## HTTP Status codes

For more information on HTTP status codes, refer to [HTTP Status codes](#).

## Fetch Active Matters

Platform System Adaptors using this request make periodic calls to the Communication Hub to check and fetch active matter level updates.

## Workflow

Platform System Adaptors to the Communication Hub

## URL

```
GET {{BASE_URL}}/api/v1/ invoice? fetchActiveMatters
```

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## Request Header

The request header contains the following operating parameters for the POST request:

Host: BASE\_URL

Example: <https://oasis-dev-qa.dev.wkelms.com/lbainterface>

Authorization: Bearer {{token}}

To generate an access token, refer to [Authenticate to LBA-ME Server](#).

Content-Type: application/json

For more information, refer to [Request Header Parameters](#).

## Response Body

The response body is a JSON object whose format depends on whether the request succeeded or one or more exceptions occurred.

### Success

A successful request returns a JSON object with the following format:

```
[{ "active": true,  
  "entityId": "string",  
  "entityType": "string",  
  "id": 0,  
  "invoiceId": "string",  
  "lastSyncDate": ""  
}]
```

### Failure

A failed request returns HTTP Status code.

## Response Body Values

The following table describes response body values.

Value	Description
entityId	ID of the entity
entityType	type of the entity
Id	document ID
invoiceId	ID of the invoice
lastSyncDate	date and time of last sync

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## HTTP Status codes

For more information on HTTP status codes, refer to [HTTP Status codes](#).

## Matter Sync

When a change to or an update of matter level details occurs after the last synchronization date, Platform System Adaptors use this request to fetch the latest details and upload to the Communication Hub.

### Workflow

Platform System Adaptors to the Communication Hub

#### URL

POST {{BASE\_URL}}/api/v1/invoice/matter-sync

#### Request Header

The request header contains the following operating parameters for the POST request:

Host: BASE\_URL

Example: <https://oasis-dev-qa.dev.wkelms.com/lbainterface>

Authorization: Bearer {{token}}

To generate an access token, refer to [Authenticate to LBA-ME Server](#).

Content-Type: application/json

For more information, refer to [Request Header Parameters](#).

#### Request Body

The request data is a JSON object with the following format:

```
[{  
  "id": "",  
  "network": {  
    "clientId": "", (Optional)  
  },  
  "number": "",  
  "name": "",  
  "typeId": "",  
  "typeName": "",  
  "statusName": "",  
  "openDate": "",  
  "closeDate": ""},
```

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```
"responsibleProfessional": "",  
"matterCreator": "",  
"workArea": [ ],  
"budgets": [{ // renamed from budget to budgets  
"id" : "" // new attribute budget id  
"type": "",  
"name": "",  
"currency": "",  
"amount": "",  
"revision": "",  
"companyId": "", // will remove it later  
"companyName": "", // will remove it later  
"status": "", // ACTIVE  
"remainingAmount": "",  
"companyDetails": {  
"id": "",  
"name": "",  
"timekeeperPlans": [  
{"id": "",  
"role": "",  
"amount": ""  
}],  
"leadTimekeepers": [  
{"id": ""  
}  
,  
"details": [{  
"type": "", // ACTIVITY/PHASE/TASK/EXPENSE  
"code": "", // billCode  
"description": "",  
"amount": "", // active budget amount  
"remainingAmount": ""  
}],  
"dynamicFields": [{ // dynamicFields added in budget section  
"name": "df1",  
"value": "df1Value"  
}]
```

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```
},
"afa": [
  {
    "id": ""
  },
  {
    "dynamicFields": [
      {
        "name": "df1",
        "value": "df1Value"
      },
      {
        "name": "df2",
        "value": "df2Value"
      }
    ]
  }
]
```

## Request Body Values

The following table describes request body values.

Value	Description
id	matter ID
network	configured network related to matter
clientId	platform system client ID
number	number of the matter
name	name of the matter
typeId	matter type ID
typeName	matter type name
statusName	matter status name
openDate	date on which, matter is opened
closeDate	date on which, matter is closed
responsibleProfessional	primary internal contact for the matter
matterCreator	person who created the matter
workArea	practice area business unit of the matter
Id	budget ID
type	budget type
name	budget name
budget type	budget currency

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Value	Description
amount	budget amount
revision	revised budget amount
status	status of the company
remainingAmount	remaining amount of the budget
id	ID of the company
name	name of the company
id	timekeeper ID
role	timekeeper role
amount	timekeeper amount
id	lead timekeeper ID
type	budget type
code	budget code
description	description about budget
amount	active detail budget amount
remainingAmount	matter detail budget amount
dynamicFields	dynamic fields for budget
id	AFA ID

## Response Body

The response body is a JSON object whose format depends on whether the request succeeded or one or more exceptions occurred.

### Success

A successful request returns a JSON object with the following format:

```
[ {  
  "id": "",  
  "status": "Success"  
}]
```

### Failure

A failed request returns a JSON object with a string containing a brief message about the status of your request.

# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

```
[  
  {  
    "id": "",  
    "status": "Failure"  
  }]
```

## Response Body Values

The following table describes response body values.

Value	Description
ID	invoice ID
status	invoice status, upon submission

## HTTP Status codes

For more information on HTTP status codes, refer to [HTTP Status codes](#).

## Fetch Active Companies

Platform System Adaptors using this request make periodical calls to the Communication Hub to check and fetch active company level updates.

### Workflow

Platform System Adaptors to the Communication Hub

### URL

GET {{BASE\_URL}}/api/v1/invoice/ fetchActiveCompanies

### Request Header

The request header contains the following operating parameters for the POST request:

Host: BASE\_URL

Example: <https://oasis-dev-qa.dev.wkelms.com/lbainterface>

Authorization: Bearer {{token}}

To generate an access token, refer to [Authenticate to LBA-ME Server](#).

Content-Type: application/json

For more information, refer to [Request Header Parameters](#).

### Response Body

The response body is a JSON object whose format depends on whether the request succeeded or one or more exceptions occurred.

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## Success

A successful request returns a JSON object with the following format:

```
{ "active": true,  
"entityId": "string",  
"entityType": "string",  
"id": 0,  
"invoiceId": "string",  
"lastSyncDate": ""  
}
```

## Failure

A failed request returns HTTP Status code.

## *Response Body Values*

The following table describes response body values.

Request	Description
entityId	ID of the entity
entityType	type of the entity
Id	document ID
invoiceId	platform system invoice ID
lastSyncDate	date and time of last sync

## *HTTP Status codes*

For more information on HTTP status codes, refer to [HTTP Status codes](#).

## *Company Sync*

When a change to or an update of company level details occurs after the last synchronization date, Platform System Adaptors use this request to fetch latest details and upload to the Communication Hub.

## *Workflow*

Platform System Adaptors to the Communication Hub

## *URL*

```
POST {{BASE_URL}}/api/v1/invoice/company-sync
```

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## *Request Header*

The request header contains the following operating parameters for the POST request:

Host: BASE\_URL

Example: <https://oasis-dev-qa.dev.wkelms.com/lbainteface>

Authorization: Bearer {{token}}

To generate an access token, refer to [Authenticate to LBA-ME Server](#).

Content-Type: application/json

For more information, refer to [Request Header Parameters](#).

## *Request Body*

The request data is a JSON object with the following format:

```
[{  
  "id": "",  
  "network": {  
    "clientId": "", (Optional)  
  },  
  "name": "",  
  "type": "",  
  "subType": "",  
  "addressLine1": "",  
  "addressLine2": "",  
  "addressLine3": "",  
  "zip": "",  
  "city": "",  
  "stateCode": "",  
  "stateName": "",  
  "country": "",  
  "taxRegNo": "",  
  "dateAdded": "",  
  "configurations": [  
    {"name" : "LAWFIRM_APPEAL_STATUS",  
     "value" : "", // ENABLED / NOT_ENABLED / REVIEWER_NOT_CONFIGURED  
    },  
    {"primaryContacts": [  
      "firstName": "",  
      "lastName": ""  
    ]}  
  ]}
```

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```
"role": "", // send it as null for now untill clarified  
"email": "",  
"phone": ""  
},  
"timekeepers": [{  
    "id": "",  
    "code": "",  
    "firstName": "",  
    "lastName": "",  
    "email": "",  
    "phoneNo": "",  
    "officeCity": "",  
    "officeState": "",  
    "dateAdded": "",  
    "rates": [{  
        "role": "",  
        "currentBillRate": "",  
        "commercialBillRate": "",  
        "currency": "",  
        "startDate": "",  
        "endDate": ""  
    }  
]  
}  
],  
}  
],  
"  
"afa" : [  
    {  
        "id": "",  
        "name": "",  
        "type": "",  
        "subType": "",  
        "startDate": "",  
        "endDate": "",  
        "status": "",  
        "attributes" : [  
            {"name": "", "value": ""},  
            {"name": "", "value": ""}]
```

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```
],  
"details" : [  
{  
"id" : 1,  
"subDetailId": "2",  
"attributes" : [  
{ "name": "", "value": ""},  
{ "name": "", "value": ""}  
]  
}  
]  
}  
]  
]
```

## Request Body Values

The following table describes request body values.

Value	Description
id	ID of the company
network	configured network for the company
clientId	Id of the client
name	name of the client
type	type of the organization
subType	sub type of the organization
addressLine1	address of the organization
Zip	ZIP code of the organization presented
stateCode	state code of the organization presented
stateName	state name of the organization presented
country	country of the organization presented
taxRegNo	tax registration number
dateAdded	date on which the organization is added
firstName	first name of the primary timekeeper
lastName	last name of the primary timekeeper
role	role of the primary timekeeper
email	email of the primary timekeeper

# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

Value	Description
phone	phone of the primary timekeeper
id	unique number within an organization that is assigned to a timekeeper
code	timekeeper code
firstName	first name of the timekeeper
lastName	last name of the timekeeper
email	email of the timekeeper
phoneNo	phone of the timekeeper
officeCity	name of the city where the organization is located
officeState	name of the state where the organization is located
dateAdded	date on which timekeeper is added
role	role of the timekeeper
currentBillRate	amount entered for bill rate
commercialBillRate	gross amount entered for bill rate
currency	type of the currency
startDate	rate start date
endDate	rate end date
id	AFA ID
name	AFA name
type	AFA type
subType	AFA sub type
startDate	AFA start date
endDate	AFA end date
status	current status of AFA
id	detail ID of AFA
subDetailId	sub detail ID of AFA

## *Response Body*

The response body is a JSON object whose format depends on whether the request succeeded or one or more exceptions occurred.

### **Success**

A successful request returns a JSON object with the following format:

# LegalVIEW BillAnalyzer Market Expansion REST API Reference Guide

```
[ {  
  "id": "",  
  "status": "Success"  
}]
```

## Failure

A failed request returns a JSON object with a string containing a brief message about the status of your request.

```
[ {  
  "id": "",  
  "status": "Failure"  
}]
```

## Response Body Values

The following table describes response body values.

Request	Description
ID	invoice ID
status	invoice status, upon submission

## HTTP Status codes

For more information on HTTP status codes, refer to [HTTP Status codes](#).

## User Credentials

When a client's user credentials have expired, Platform Systems use this request to send updated username and password to the Communication Hub.

## Workflow

Platform System Adaptors to the Communication Hub

## URL

POST {{BASE\_URL}}/api/v1/profile/user/credentials

## Request Header

The request header contains the following operating parameters for the POST request:

Host: BASE\_URL

Example: <https://oasis-dev-qa.dev.wkelms.com/lbainterface>

Authorization: Bearer {{token}}

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To generate an access token, refer to [Authenticate to LBA-ME Server](#).

Content-Type: application/json

For more information, refer to [Request Header Parameters](#).

## Request Body

The request data is a JSON object with the following format:

```
{  
  "password": "string",  
  "service": "string",  
  "username": "string"  
}
```

## Request Body Values

The following table describes request body values.

Value	Description
Password	LBA-ME tenant-specific password
Service	name of the service
Username	LBA-ME tenant-specific user

## Response Body

The response body is a JSON object whose format depends on whether the request succeeded or one or more exceptions occurred.

### Success

A successful request returns HTTP Status codes.

### Failure

A failed request returns HTTP Status codes.

## HTTP Status codes

For information about HTTP status codes, refer to [HTTP Status codes](#).