

Video Indexer API Overview



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Overview



Video Indexer API functionality

Video Indexer API authorization

Authenticating with the Video Indexer
API using C#

Authenticating with the Video Indexer
API using Python

Video Indexer API Functionality

Video Indexer API Functionality

Authorization

Account access

Access token retrieval

Operations

Media asset management operations

Indexing operations

Index customization options

Project management operations

Video Indexer API URLs

Authorization

<https://api.videoindexer.ai/auth/{location}/Accounts/{accountId}>

Operations

<https://api.videoindexer.ai/{location}/Accounts/{accountId}>

Parameter	Type	Description
location	string	Azure region hosting Video Indexer account, or “trial”
accountId	string	Account ID, globally unique identifier (GUID)

Video Indexer Developer Portal

<https://api-portal.videoindexer.ai>

Video Indexer Developer Portal

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Welcome to the Video Indexer Developer Portal!

[Get Started](#)

Getting Started

[Overview](#)[Subscribing to the API](#)

API (v2)

[Overview](#)[Complete API Reference](#)

Developer Support

API users can engage directly with the community and discuss [issues](#).

For any issue, please contact [our support](#)

Embeddable Widgets

[Overview](#)[Cross Origin Communications](#)[Subtitles](#)[Demo](#)[Read More](#)



PUT [Cancel Project Render Operation \(PREVIEW\)](#)

DELETE [Cancel Training Model](#)

POST [Create Brand](#)

POST [Create Custom Face \(PREVIEW\)](#)

POST [Create Language Model](#)

POST [Create Person \(PREVIEW\)](#)

POST [Create Person Model](#)

POST [Create Project \(PREVIEW\)](#)

DELETE [Delete Brand](#)

DELETE [Delete Custom Face \(PREVIEW\)](#)

Operations

[API change history](#)

The Operations API contains all the Video Indexer APIs, such as Upload video, Get insights, and other operations

[API definition](#)

Get Video Index

Get Video Index

[Try it](#)

Request

Request URL

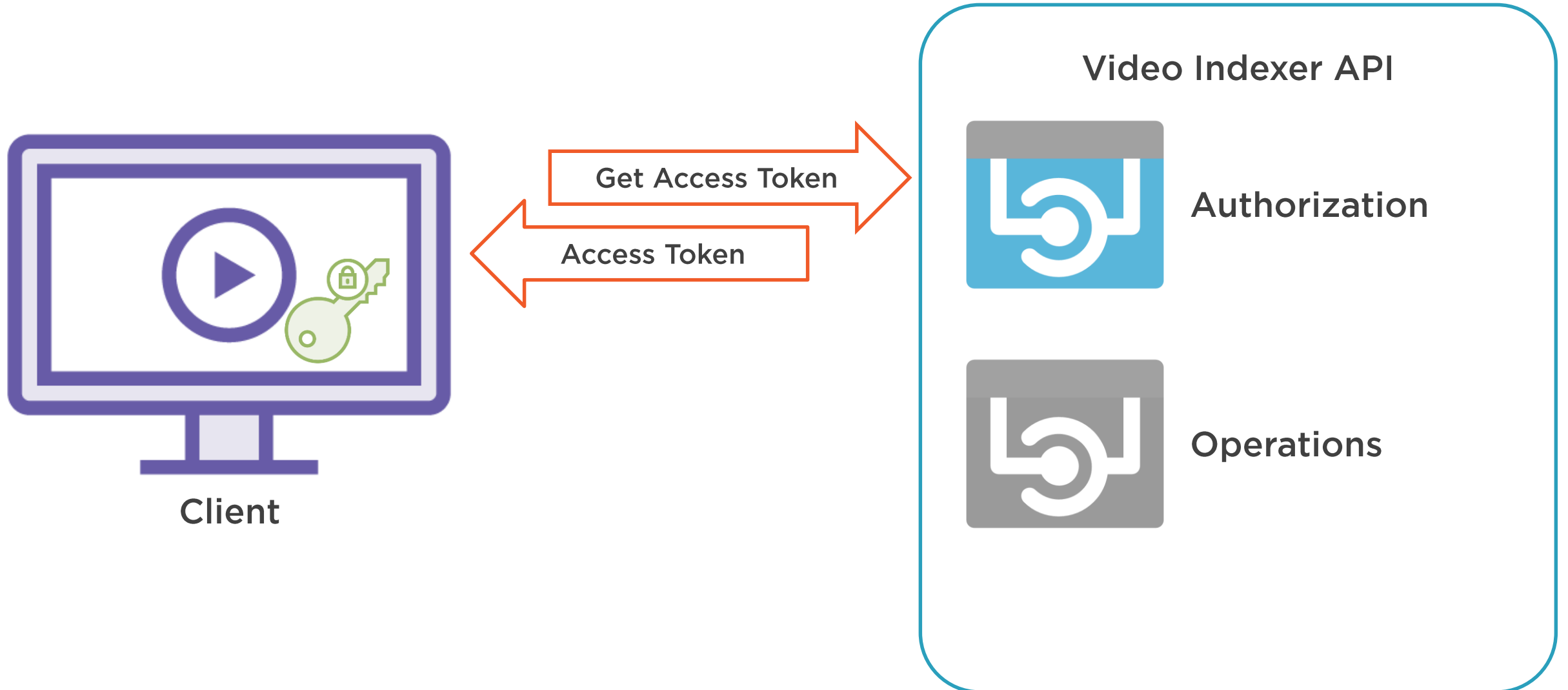
[https://api.videoindexer.ai/{location}/Accounts/{accountId}/Videos/{videoid}/Index\[?language\]\[&reTranslate\]\[&accessToken\]](https://api.videoindexer.ai/{location}/Accounts/{accountId}/Videos/{videoid}/Index[?language][&reTranslate][&accessToken])

Request parameters

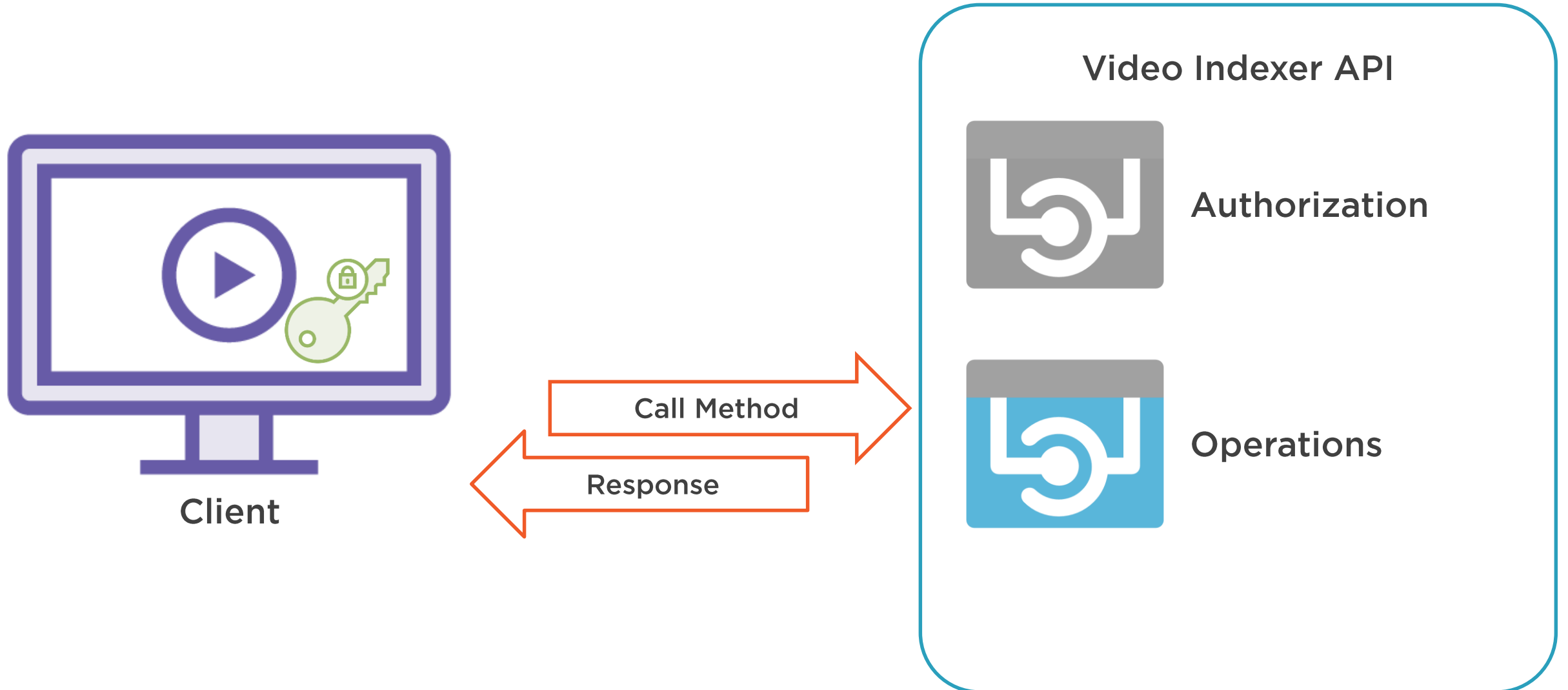
location	string	Location indicates the Azure region to which the call should be routed See more details here
accountId	string	Format - guid. Account ID is a globally unique identifier (GUID) for the account. See more details here
videoid	string	The video id

Video Indexer API Authorization

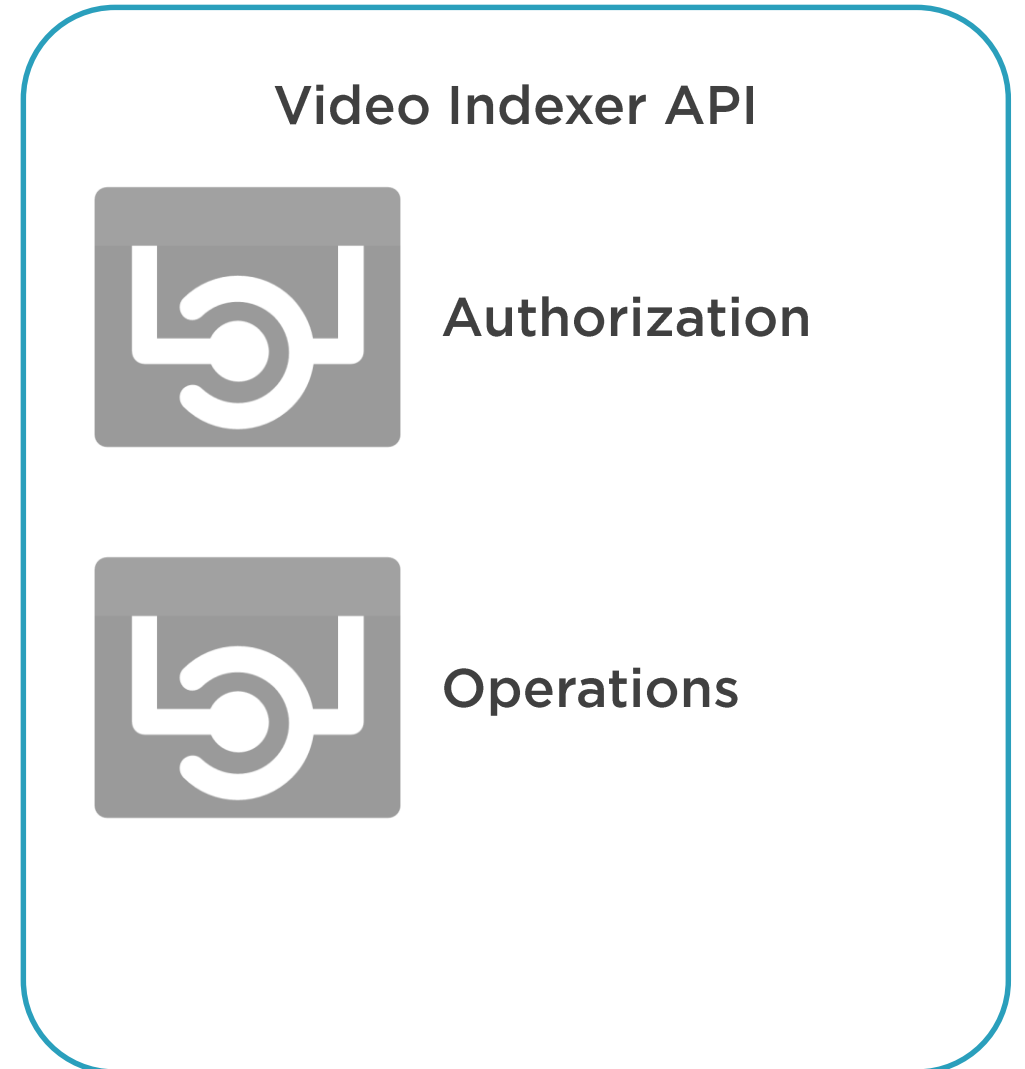
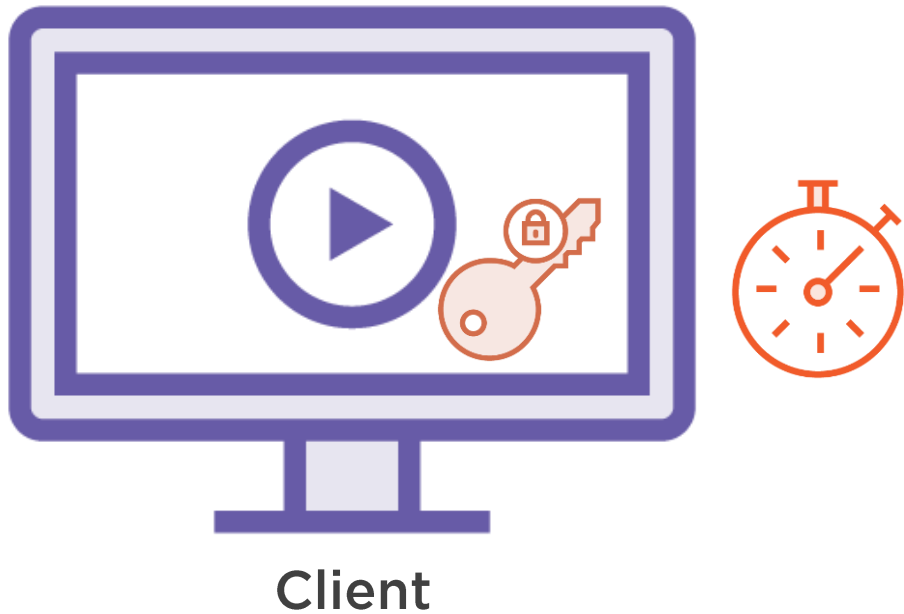
Authorization Flow



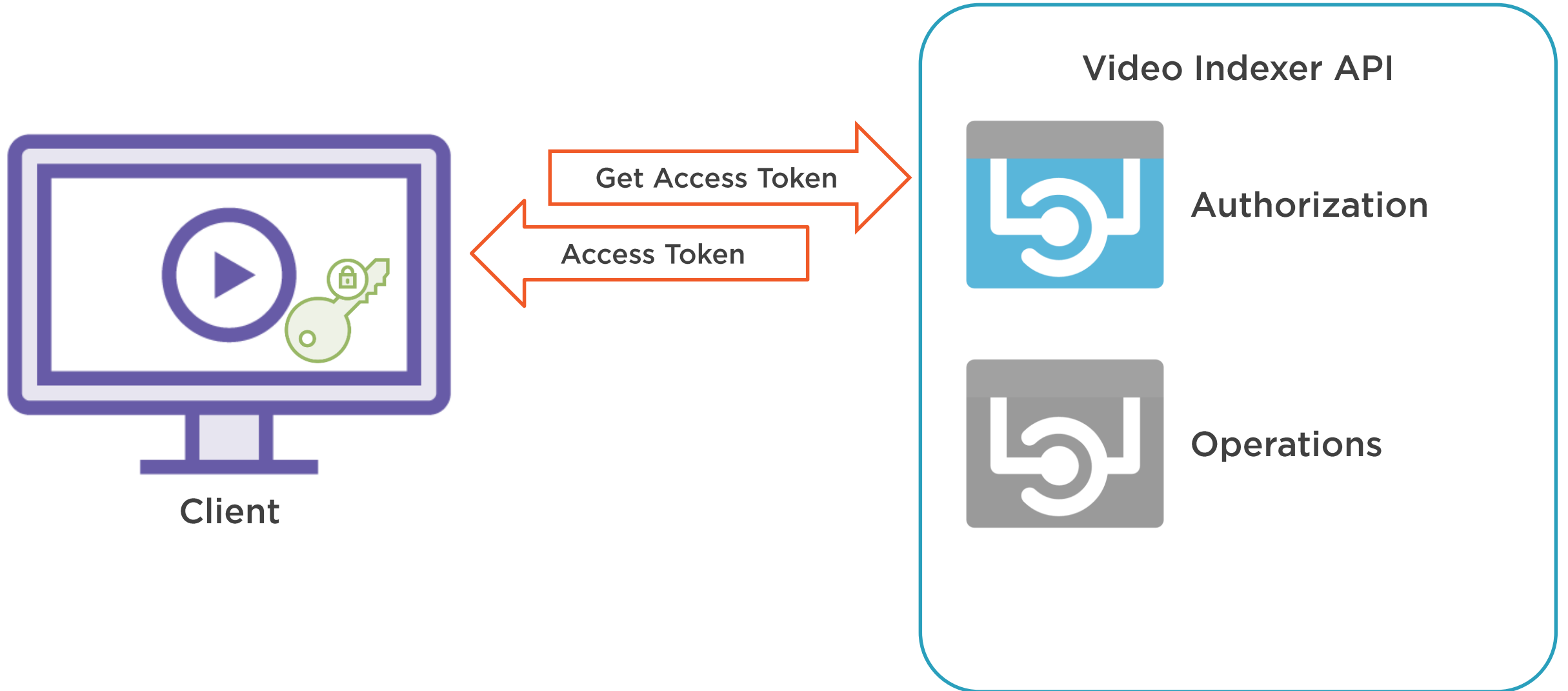
Authorization Flow



Authorization Flow



Authorization Flow



Authorization Levels



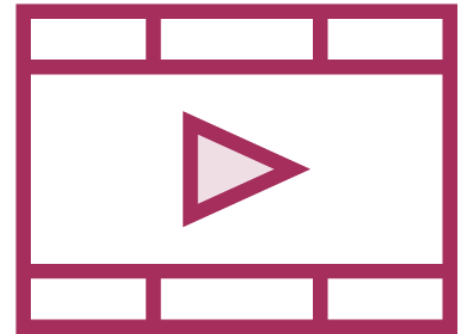
User



Account



Project



Video

Authorization Service Methods

Name	Method	Description
Get Accounts	GET	Gets details of the accounts associated with the credentials
Get Account Access Token	GET	Gets an account access token
Get Project Access Token	GET	Gets an account access token for a specific project
Get User Access Token	GET	Gets an account access token for a specific user
Get Video Access Token	GET	Gets an account access token for a specific media resource

Get Account Access Token

[https://api.videoindexer.ai/auth/{location}/Accounts/{accountId}/AccessToken\[?allowEdit\]](https://api.videoindexer.ai/auth/{location}/Accounts/{accountId}/AccessToken[?allowEdit])

Parameter	Type	Description
location	string	Azure region hosting Video Indexer account, or “trial”
accountId	string	Account ID, globally unique identifier (GUID)
allowEdit	bool	Determines whether the token has write permissions

Request Header	Type	Description
Ocp-Apim-Subscription-Key	string	Video indexer account subscription key

Get Video Access Token

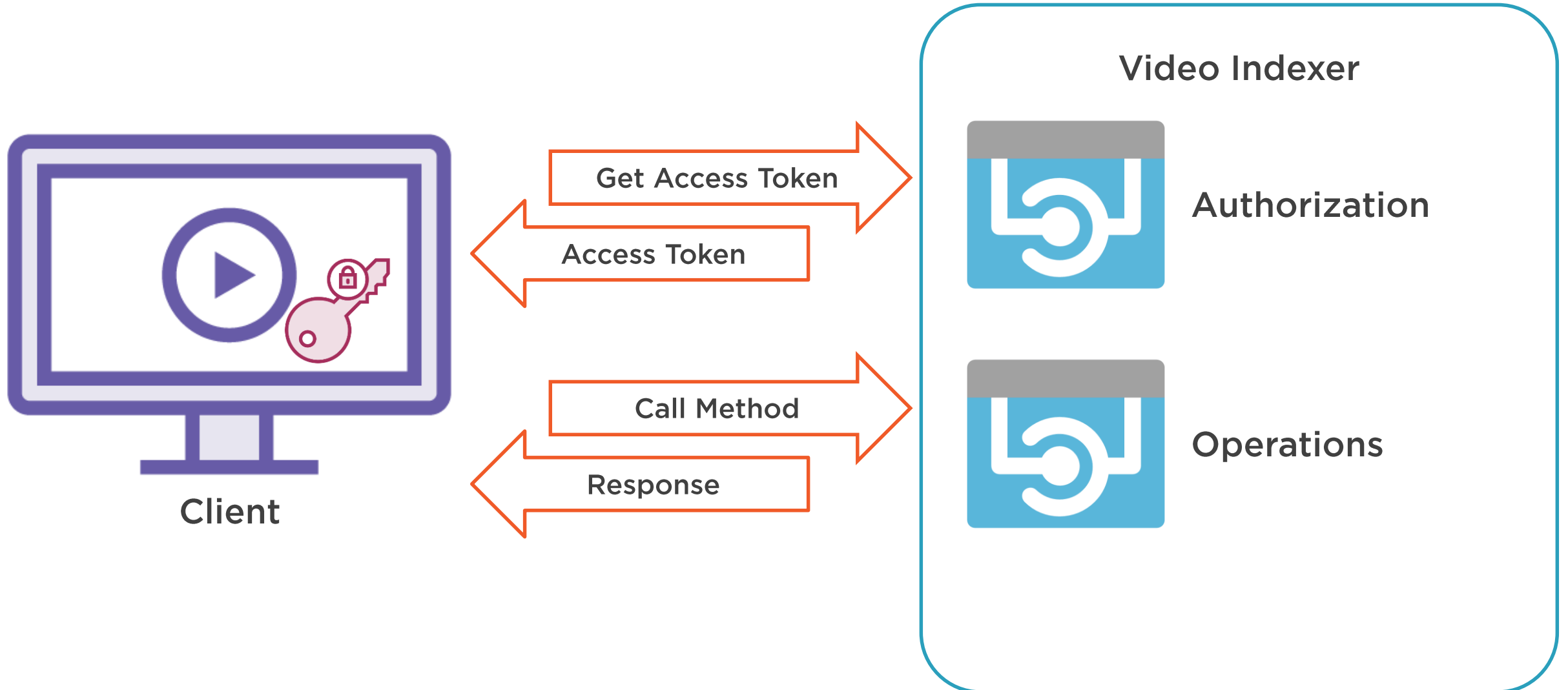
[https://api.videoindexer.ai/auth/{location}/Accounts/{accountId}/Videos/{videoid}/AccessToken\[?allowEdit\]](https://api.videoindexer.ai/auth/{location}/Accounts/{accountId}/Videos/{videoid}/AccessToken[?allowEdit])

Parameter	Type	Description
location	string	Azure region hosting Video Indexer account, or “trial”
accountId	string	Account ID, globally unique identifier (GUID)
videoid	string	The id of the media asset to be granted access to.
allowEdit	bool	Determines whether the token has write permissions

Request Header	Type	Description
Ocp-Apim-Subscription-Key	string	Video indexer account subscription key

Web Client Authorization Scenario

Authorization Flow



Demo



Retrieving Video Indexer Account Details

- Retrieving Account ID
- Retrieving Subscription Key

Demo



Authenticating with the Video Indexer API using C#

- Creating an HTTP client
- Configuring an HTTP client
- Retrieving access tokens
- Using a read-only access token

Demo



Authenticating with the Video Indexer API using Python

- Creating a Python Project in Visual Studio
- Retrieving access tokens
- Using access tokens to retrieve an index for a video

Summary



Video indexer API provides authorization and management functionality

Access tokens are used for client access to services and media resources

Clients can be authenticated with different permissions

- User
- Account
- Project
- Video