

Liveness API Documentation

Introduction

The Liveness API provides access to biometric liveness detection results and reporting capabilities. This documentation focuses on two key endpoints: retrieving liveness results and generating reports.

Important Contact Information: For information about this API and other solutions in our catalog, please contact our financial area for evaluation at julian@ado-tech.com. All access keys, endpoint URLs, and other access elements will only be provided after reaching a formal agreement between both entities.

Important Note

The liveness detection process requires integration with components from <https://docs.ado-tech.com/books/b-trust/chapter/sdks>. These components have associated costs and service agreements that must be discussed with the finance department before implementation.

API Endpoints

1. Get Results

Retrieves the results of a previously executed liveness verification process.

Endpoint: `POST {base_url}/api/images/getResults`

Request Body:

```
{
  "idTransaction": "process_id",
  "user": "your_username",
  "password": "your_password",
```

```
"apiKey": "your_api_key",
"transactionNumber": "process_id"
}
```

Response: The API returns detailed liveness verification results, including:

```
{
  "referenceNumber": "a7112314-f8c6-40b9-a5de-ab91fa98e3bc",
  "score": 0.8818287,
  "quality": 0.8818287,
  "probability": 0.9878632,
  "threshold_probability": 0.6,
  "threshold_quality": 0.5,
  "isAlive": true,
  "isFraud": false,
  "image": "/ ",
  "videoBase64": " "
}
```

Key Response Fields:

- `referenceNumber`: Unique identifier for the verification result
- `score`: Overall liveness score
- `quality`: Image quality score
- `probability`: Probability that the subject is alive
- `threshold_probability`: Minimum probability threshold for positive verification
- `threshold_quality`: Minimum quality threshold for acceptable images
- `isAlive`: Boolean indicating liveness detection result
- `isFraud`: Boolean indicating potential fraud detection
- `image`: Base64 encoded image (abbreviated in example)
- `videoBase64`: Base64 encoded video if applicable (abbreviated in example)

Note: The key process liveness ID required for this endpoint is obtained from the B-Trust SDK components. Access to these components requires proper licensing and authorization.

2. Generate Report

Generates a comprehensive report of liveness verifications for a specific project and date range.

Endpoint: `POST {base_url}/api/images/Report`

Request Body:

```
{
  "InitialDate": "2024-01-01T00:00:00.000Z",
  "EndDate": "2024-02-01T23:59:59.999Z",
  "projectId": "your_project_id"
}
```

Important Considerations:

- It is recommended to request reports spanning only 1-2 months at a time for optimal performance
- The `projectId` must match the assigned project identifier from your service agreement
- Date formats must follow ISO 8601 standard (YYYY-MM-DDThh:mm:ss.sssZ)

Response: The API will return a comprehensive report of liveness verification transactions within the specified date range for the given project.

Additional Services

For more advanced biometric verification needs, the following solutions are available:

- **Compare Face:** Validates and compares facial images
- **Validar rostro-persona:** Verifies that a face belongs to a specific person
- **Validar rostro-documento:** Validates a face against identification document photos

These additional services can be integrated with the liveness detection process to create a complete identity verification solution. Each component returns useful data for integration with the liveness verification workflow.

Service Acquisition

Our catalog contains numerous additional routines and services for biometric verification and identity validation. For more information about all available services, pricing, and implementation:

- Please contact our financial area at: julian@ado-tech.com
- All access elements including API keys, endpoint URLs, and credentials will only be provided after a formal agreement is reached between both entities
- Integration support is available after service contracts are finalized

Integration Considerations

- Proper error handling is essential for all API calls
- Credentials must be securely stored and transmitted
- Results should be evaluated against your specific security threshold requirements
- Integration with the B-Trust SDK components requires proper licensing and configuration

By leveraging these endpoints, you can access liveness verification results and generate comprehensive reports for your biometric verification processes.

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