

# SHAID Documentation

Document current as of 07/19/2021 03:27 PM.

## Overview

SmartDeviceLink applications must have a unique Application ID across all OEM [SDL Policy Server](#) implementations. To enforce uniqueness of these Application IDs and to keep information about SDL-supported applications synchronized across the ecosystem, the Shared App Information Database (SHAID) was created.

SHAID should be integrated with each OEM's SDL Policy Server to receive real-time updates when SDL application developers create or make changes to an application. This synchronization provides a single point of administration for app developers via the SDL Developer Portal, while providing OEMs with this API to be able to ensure their generated SDL Policy Table is always up-to-date with the latest application information.

SmartDeviceLink provides an open-source example of a functional SDL Policy Server with SHAID integration [here](#).

## Getting Started

All SHAID API calls require authentication via a public and secret key pair sent as header values in each request. If you are an SDLC Silver member or higher, you can obtain your SHAID API key pair on the SHAID tab when logged into the SDL Developer Portal.

If you are not a member yet, but are interested in becoming one, please reference the [SDLC official documents](#) for more information.

For help with using your SHAID keys when setting up an SDL Policy Server, please refer to the Environment Variables section of our [Installation documentation](#).

# Frequently Asked Questions

---

## I SEE SHAID V2, BUT WHERE'S SHAID V1?

SHAID v1.0 has been deprecated and removed. Please refer to the latest version.

## HOW DO I REGISTER MY COMPANY/APP WITH SHAID?

We have our SDL Developer Portal Registration Guide and other helpful documents on our Resources page [here](#).

## HOW DO I GET SHAID KEYS? WHAT DO I DO WITH THEM?

If you are an SDLC Silver member or higher, you can obtain your SHAID API key pair on the SHAID tab when logged into the SDL Developer Portal. They will be included in the headers of your requests to SHAID as `public_key` and `secret_key`.

## HELP! MY WEBHOOK ISN'T WORKING! WHAT DO I DO?

Ensure that you have the correct URL set in the Company Info tab on the SDL Developer Portal. Additional information regarding webhooks can be found in our Policy Server [API](#)

Guides.

---

## I HAVE AN ISSUE THAT ISN'T COVERED HERE.

If you still have questions, you can post a question in the shaid channel of our Slack group (sign up [here](#)).

# GET /application

Retrieve one or more SDL applications and metadata about them: their UUID (a unique identifier which should be kept private), the countries the application supports, the application category, and the data permissions the application requires access to.

## Parameters

IN	NAME	TYPE	REQUIRE D	DESCRIP TION	DEFAULT
query	uuid	string	false	A comma-separated list of Application UUIDs. Find applications by their UUID.	
query	version_id	string	false	A comma-separated list of Application Version IDs. Find applications by specific version IDs.	
query	vendor_id	string	false	A comma-separated list of Vendor IDs. Find applications owned by specific Vendors.	

IN	NAME	TYPE	REQUIRE D	DESCRIP TION	DEFAULT
query	champion_assigned_vendor_id	string	false	<p>A comma-separated list of Vendor IDs. Find applications with specific assigned champion Vendors. Alternatively, find applications without an assigned champion Vendor by sending <code>null</code>. This parameter is only available for vendors with SHAID admin access; For non-admins, the value of this parameter will be ignored.</p>	

IN	NAME	TYPE	REQUIRE D	DESCRIP TION	DEFAULT
query	champion_a pproval_stat us	string: APPROVED, PENDING, DENIED	false	A comma-separated list of Champion Approval Statuses. Only retrieve applications matching the provided champion approval status. This parameter is only available for vendors with SHAID admin access; For non-admins, the value of this parameter will be ignored.	

IN	NAME	TYPE	REQUIRED	DESCRIPTION	DEFAULT
query	status	string: DEVELOPMENT, REVIEW, PRODUCTION	false	A comma-separated list of Statuses. Only retrieve applications matching the provided status. This parameter is only available for vendors with SHAID admin access; For non-admins, the value of this parameter will always be <u>PRODUCTION</u> .	

IN	NAME	TYPE	REQUIRED	DESCRIPTION	DEFAULT
query	approval_status	string: DENIED, PENDING, APPROVED	false	Only retrieve applications matching the provided SDLC approval status. This parameter is only available for vendors with SHAID admin access; For non-admins, the value of this parameter will always be APPROVED.	

IN	NAME	TYPE	REQUIRE D	DESCRIP TION	DEFAULT
query	granted_vendor_id	string	false	A comma-separated list of Vendor IDs. Find applications granted read access to the given Vendor IDs. This parameter is only available for vendors with SHAID admin access; For non-admins, the value of this parameter will be ignored.	

IN	NAME	TYPE	REQUIRE D	DESCRIP TION	DEFAULT
query	not_granted_vendor_id	string	false	<p>A comma-separated list of Vendor IDs. Find applications NOT granted read access to the given Vendor IDs. This parameter is only available for vendors with SHAID admin access; For non-admins, the value of this parameter will be ignored.</p>	
query	platform	string: ANDROID, IOS, CLOUD, EMBEDDED	false	<p>Only retrieve applications matching the provided platform. Supports filtering on multiple platforms as a comma-separated list.</p>	

IN	NAME	TYPE	REQUIRE D	DESCRIP TION	DEFAULT
query	country_iso	string	false	Only retrieve applications built to support the provided country.	
query	category_id	integer	false	Only retrieve applications in the provided category. See <a href="#">GET /category</a> for a list of available values. Supports filtering on multiple categories as a comma-separated list.	
query	allow_marketing	boolean	false	Only retrieve applications that explicitly allow or deny marketing/promotion of their application.	

IN	NAME	TYPE	REQUIRED	DESCRIPTION	DEFAULT
query	include_deleted	boolean	false	Include applications in the response which are deleted.	false
query	include_blacklisted	boolean	false	Include applications in the response which are blacklisted by the SDLC.	false
query	name	string	false	Search for Applications containing the provided string in their name.	

IN	NAME	TYPE	REQUIRE D	DESCRIP TION	DEFAULT
query	query_type	string: ALL, LATEST	false	Modifies the scope of the endpoint to query ALL versions of each application, the LATEST version of each application, or only the latest production version of each application (default).	
query	has_entered_ review	boolean	false	Only retrieve applications that are either currently in or have been reviewed (true) or have not yet entered review (false). Default null.	

IN	NAME	TYPE	REQUIRED	DESCRIPTION	DEFAULT
query	is_in_catalog	boolean	false	Whether the app should appear in the App Catalog on smartdeviceink.com.	
query	is_homepage_app	boolean	false	Whether the app is eligible appear on the homepage smartdeviceink.com.	
query	is_oem_specific	boolean	false	Whether the app should appear in the OEM-specific section of the App Catalog.	
query	limit	integer	false	The maximum number of results to return. Default 50.	50
query	offset	integer	false	The number of results to offset, for basic pagination.	0

IN	NAME	TYPE	REQUIRE D	DESCRIP TION	DEFAULT
query	sort_by	string: application.id, application.name, application.platform, application.status, application.approval_status, vendor.name, , application.champion_approval_statuses, application.champion_updated_ts	false	Which property to sort the results by.	"application.id"
query	sort_order	string: ASC, DESC	false	How to order the results (in combination with sort_by).	"ASC"

## RESPONSE: 200

Application(s) retrieved! The request was successful and any matching applications are returned in the response body.

### Schema

- (object)
- meta (object) (optional)
  - request\_id (string) A unique ID for the request
  - code (int32) The HTTP status code of the response
  - message (string) A readable summary of the request result
- data (object) (optional)
  - applications (unspecified type) (optional)

---

## RESPONSE: 400

Invalid request. The request is either missing data, has invalid data, or has conflicting data. See the response body for more details.

### Schema

N/A

---

## RESPONSE: 500

Internal server error.

### Schema

N/A

# PUT /application/approval/vendor

This operation changes the requesting OEM's `approval_status` property of an application version.

### Parameters

IN	NAME	REQUIRED	DESCRIPTION
body	applications	true	An array of Application OEM Approval objects.

### Request Body

- (object)
- applications (array) (optional)
  - (object)
  - version\_id (int64) A unique integer to identify the application version
  - approval\_status (string: LIMITED, ACCEPTED) The OEM's selected status of the application version
  - notes (string) (optional) Notes by the OEM to be shared with the application developer

## RESPONSE: 200

Application OEM approval status(es) updated! The application version(s) provided were successfully updated.

### Schema

N/A

## RESPONSE: 400

Invalid request. You probably tried to update an application version ID which you don't have access to.

### Schema

N/A

---

## RESPONSE: 500

Internal server error.

### Schema

N/A

# GET /category

Retrieve a list of supported categories an Application can choose to be listed under. An Application may only be associated with one category.

### Parameters

IN	NAME	TYPE	REQUIRED	DESCRIPTION
query	application_uuid	string	false	Check each category against the given Application to see if it is currently in use by the Application, returned by the is_selected attribute.
query	status	string: DEVELOPMENT, REVIEW, PRODUCTION	false	Only match against the given application_uuid in the provided status. This parameter is only available for vendors with SHAID admin access; For non-admins, the value of this parameter will always be PRODUCTION.



RESPONSE: 200

Categories retrieved! The request was successful and the categories are returned in the response body.

#### Schema

- (object)
- meta (object) (optional)
  - request\_id (string) A unique ID for the request
  - code (int32) The HTTP status code of the response
  - message (string) A readable summary of the request result
- data (object) (optional)
  - categories (unspecified type) (optional)

---

### RESPONSE: 400

Invalid request. The request is either missing data, has invalid data, or has conflicting data. See the response body for more details.

#### Schema

N/A

---

### RESPONSE: 500

Internal server error.

#### Schema

N/A

# GET /country

Retrieve a list of countries an Application can choose to operate in (should the Vendor OEM support it). An Application may be associated with many countries.

## Parameters

IN	NAME	TYPE	REQUIRED	DESCRIPTION
query	application_uuid	string	false	Check each country against the given Application to see if it is currently in use by the Application, returned by the is_selected attribute.
query	status	string: DEVELOPMENT, REVIEW, PRODUCTION	false	Only match against the given application_uuid in the provided status. This parameter is only available for vendors with SHAID admin access; For non-admins, the value of this parameter will always be PRODUCTION.

---

## RESPONSE: 200

Countries retrieved! The request was successful and the countries are returned in the response body.

### Schema

- (object)
- meta (object) (optional)
  - request\_id (string) A unique ID for the request
  - code (int32) The HTTP status code of the response
  - message (string) A readable summary of the request result
- data (object) (optional)
  - countries (unspecified type) (optional)

---

## RESPONSE: 400

Invalid request. The request is either missing data, has invalid data, or has conflicting data. See the response body for more details.

### Schema

N/A

---

## RESPONSE: 500

Internal server error.

### Schema

N/A

# GET /service

Retrieve a list of app service types an Application can choose to support. An Application may support many service types.

## Parameters

IN	NAME	TYPE	REQUIRE D	DESCRIP TION	DEFAULT
query	include_per missions	boolean	false	Set to <code>true</code> to return a <code>permissions</code> array of permission objects associated with each app service type. Default <code>false</code> .	<code>false</code>
query	application_ uuid	string	false	Check each service against the given Application to see if it is currently supported by the Application, returned by the <code>is_selected</code> attribute.	

IN	NAME	TYPE	REQUIRE D	DESCRIP TION	DEFAULT
query	status	string: DEVELOPME NT, REVIEW, PRODUCTIO N	false	Only match against the given <u>appli</u> <u>cation_uui</u> <u>d</u> in the provided status. This parameter is only available for vendors with SHAID admin access; For non-admins, the value of this parameter will always be <u>PRODU</u> <u>CTION</u> .	

## RESPONSE: 200

Services retrieved! The request was successful and the services are returned in the response body.

### Schema

- (object)
- meta (object) (optional)
  - request\_id (string) A unique ID for the request
  - code (int32) The HTTP status code of the response
  - message (string) A readable summary of the request result

- data (object) (optional)
  - services (unspecified type) (optional)

---

## RESPONSE: 400

Invalid request. The request is either missing data, has invalid data, or has conflicting data. See the response body for more details.

### Schema

N/A

---

## RESPONSE: 500

Internal server error.

### Schema

N/A

# GET /permission

Retrieve a list of supported permissions an Application can request access to. An Application can use many permissions. A SmartDeviceLink Application requires certain data permissions about the mobility experience. These permissions are chosen by the developer and should be synchronized with OEM systems or SDL Server implementations.

### Parameters

IN	NAME	TYPE	REQUIRE D	DESCRIP TION	DEFAULT
query	application_ uuid	string	false	Check each permission against the given Application to see if it is currently in use by the Application, returned by the hmi_level attribute.	
query	status	string: DEVELOPMENT, REVIEW, PRODUCTION	false	Only match against the given application_uuid in the provided status. This parameter is only available for vendors with SHAID admin access; For non-admins, the value of this parameter will always be PRODUCTION.	

IN	NAME	TYPE	REQUIRE D	DESCRIP TION	DEFAULT
query	include_hidd en	boolean	false	Set to <code>true</code> to return permissions which are not presented to app developers as selectable permission options. Default <code>false</code> .	<code>false</code>
query	include_pare nts	boolean	false	Set to <code>true</code> to return a <code>parent_permissions</code> array of permission objects in each first-level permission object. Default <code>false</code> .	<code>false</code>

## RESPONSE: 200

Permission(s) retrieved! The request was successful and the permissions are returned in the response body.

### Schema

- (object)

- meta (object) (optional)
  - request\_id (string) A unique ID for the request
  - code (int32) The HTTP status code of the response
  - message (string) A readable summary of the request result
- data (object) (optional)
  - permission\_categories (unspecified type) (optional)

---

## RESPONSE: 400

Invalid request. The request is either missing data, has invalid data, or has conflicting data. See the response body for more details.

### Schema

N/A

---

## RESPONSE: 500

Internal server error.

### Schema

N/A

# GET /locale

Retrieve a list of RFC 5646 language codes. An Application can have many locales supported.

### Parameters

IN	NAME	TYPE	REQUIRED	DESCRIPTION
query	application_uuid	string	false	Check each locale against the given Application to see if it is currently in use by the Application, returned by the is_selected attribute.
query	status	string: DEVELOPMENT, REVIEW, PRODUCTION	false	Only match against the given application_uuid in the provided status. This parameter is only available for vendors with SHAID admin access; For non-admins, the value of this parameter will always be PRODUCTION.



RESPONSE: 200

Locales retrieved! The request was successful and the locales are returned in the response body.

#### Schema

- (object)
- meta (object) (optional)
  - request\_id (string) A unique ID for the request
  - code (int32) The HTTP status code of the response
  - message (string) A readable summary of the request result
- data (object) (optional)
  - locales (unspecified type) (optional)

---

### RESPONSE: 400

Invalid request. The request is either missing data, has invalid data, or has conflicting data. See the response body for more details.

#### Schema

N/A

---

### RESPONSE: 500

Internal server error.

#### Schema

N/A

## POST /webhooks

---

## NOT AN ACTUAL ENDPOINT. THIS SECTION DESCRIBES HOW WEBHOOKS ARE SENT TO THIRD-PARTY SDL POLICY SERVERS

### Summary

Webhook events are sent to Vendors who have SDLC Membership level 1-4, are tagged by the SDLC as an "App Consumer", and have opted to receive the events by providing a Webhook URL in their company profile. They are designed to assist SDL Policy Servers in maintaining a synchronized state of SDL application metadata to ensure Policy Tables are kept up-to-date.

### Success, Retry, and Failure

A webhook is considered successful if it receives an HTTP 2XX response from your server within 5 seconds of the request. In the event of a failure, we will attempt to re-send individual webhooks up to 3 more times, with 30 minute intervals between each attempt. If all 4 attempts fail to respond with an HTTP 2XX response code within 5 seconds, no further attempts will be made to send the webhook, and an email will be sent to the contact information on file to notify you of the repeated failures.

### Requests

Webhooks are sent via HTTP POST requests to the endpoint on file for certain vendors. Vendors can manage their webhook endpoint via the [SDL Developer Portal](#). The initial webhook attempt typically occurs within 5 seconds of the data being changed on SHAID, and retry attempts typically occur at 30 minute intervals.

### Supported Webhook Entities

Only the `application` entity is currently sent in webhooks, but we may introduce support for more in the future. Please make sure your webhook receiver is designed to gracefully handle/ignore additional entity types over time.

### Parameters

IN	NAME	REQUIRED	DESCRIPTION
body	body	false	The JSON payload of the webhook.

### Request Body

- (object)
- entity (string) (optional) The type of entity the webhook notification is regarding.
- action (string: UPSERT, DELETE) (optional) The action taken to cause the webhook.
- uuid (string) (optional) In the event of an `application` entity, this represents the application's UUID.
- updated\_ts (string, date-time) (optional) The DateTime the entity was updated which caused the webhook to be sent.
- deleted\_ts (string, date-time) (optional) The DateTime the entity was deleted which caused the webhook to be sent. Deleted entities will not have future webhook events and will no longer be available in GET requests.

---

### RESPONSE: 404

This endpoint does not exist.

### Schema

N/A