

WF-04: Admin - Portal Customization

Updates

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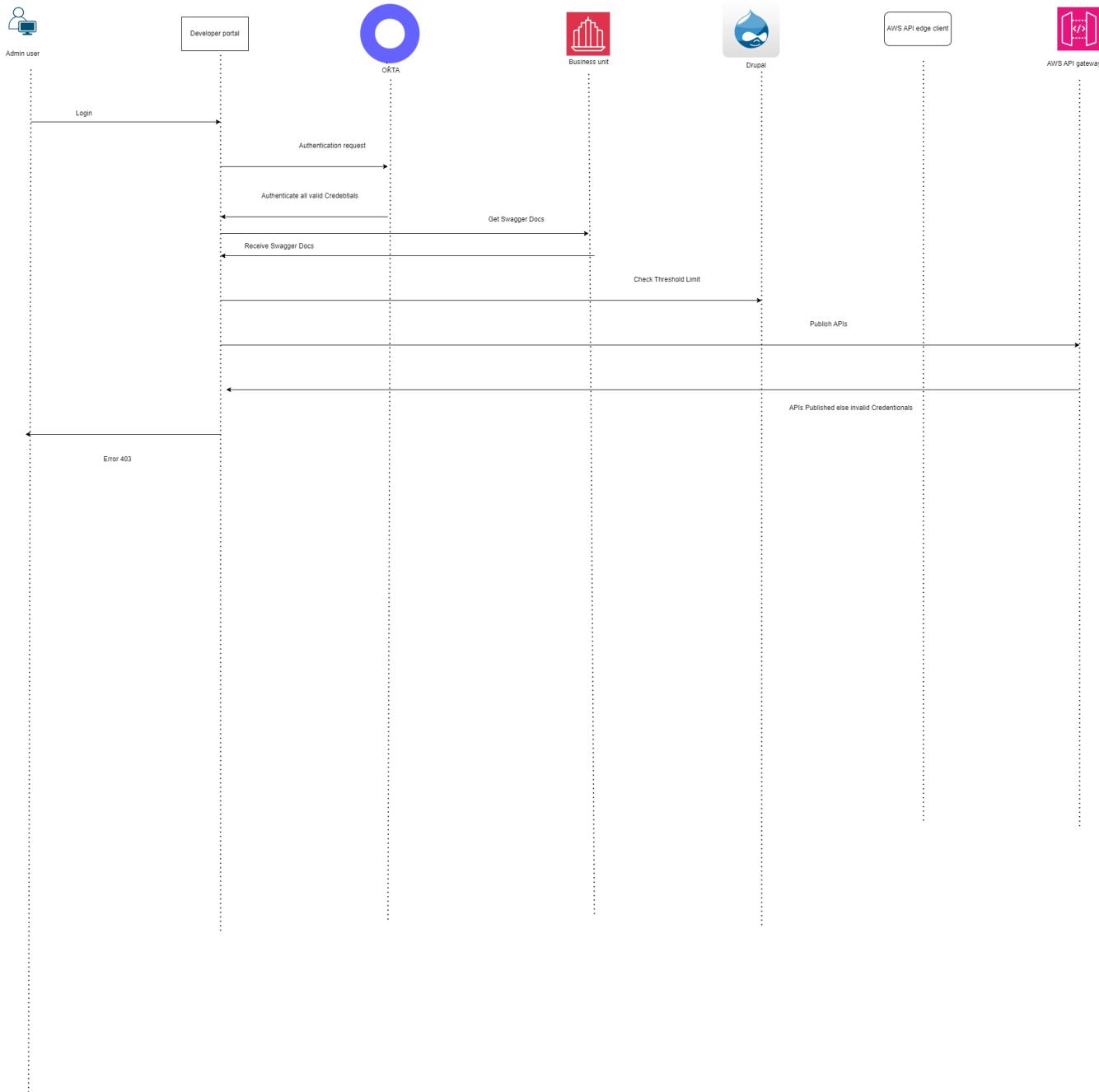
Updates

	Last Update	Jira Ticket	Author	Details
1	17 Nov 2023	EUAP-XXXX		
2				

Overview

This is the page to explain how works the Integration between the GDP (Developer Portal) Portal and the AWS Enterprise Gateway. Below you can see the authentication process using the OAuth grant type Authorization Code.

Sequence Diagram



Sequence Diagram Details

1. Admin User
 - a. Admin integration with Developer Portal
 - b. Login
 - c. ...
2. B2C User
 - a. ...
3. ...

Project Repository information

Bitbucket: repository location [Browse EITS Experian Global Developer Portal / experian-global - Bitbucket Global \(verify and confirm\)](#)

Artifactory: docker file that is created after build generates an image that should get uploaded to Artifactory

CI/CD: Build . Following integration will occur ([you need the pipeline details](#))

sonar cube integrated, run tests (unit tests), running scans (security scans)

the result is a docker image. [This docker image is it being uploaded on a Artifactory ?](#)

Development (local environment)

- makes changes in feature (gaurav and ankit, pls check with sridhar on branching strategy, check-ins, raising a PR, review from Cleison, approval from cleison, and check-outs)
- pushes changes
- automatically/manually the build gets triggered (pipeline/script (set of commands). Ask Jagadeesh, how they are doing it today?
- take the manual scripts into consideration to design a Jenkins pipeline. the output is docker file/image
- This file needs to be now deployed on EKS (currently it is being done manually) we need to automate it.

DOCUMENTATION LINKS (Provided by Jagadeesh):

[B2C Module](#)

[OKTA, Apigee, My Apps - API Center of Excellence - Confluence Global \(experian.local\)](#)

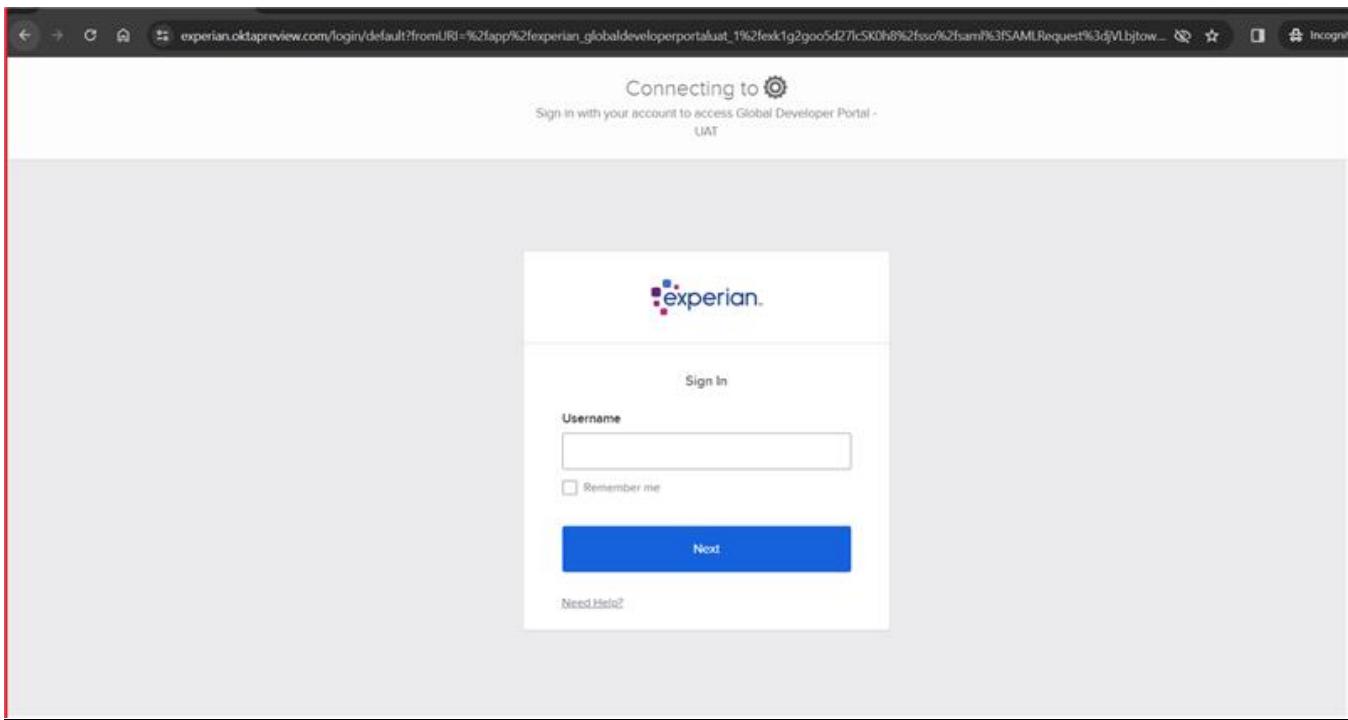
[Admin Module](#)

[Step-by-Step Guide for Updating Contents on Global Developer Portals as a Content Editor. - PAAS CoE Platform Architecture - Confluence Global \(experian.local\)](#)

[APICoE Admin Flow for publishing APIs to AWS API GW](#)

[Login page](#) (has a form created on local, integration with okta pending,

[The Admin user logs into a url for launching the home page for APICoE Admin login page \(below is the sample\).](#) [The OKTA integration for Admin \(on how to do it\)](#). pls check with Tarun



Launch page that would allow the Admin to add Edge Credentials for the products/APIs w.r.t Region.

A screenshot of a web-based administration interface titled "Edge Connections". The URL in the address bar is <https://gdp.internal.apicoe.uat.coaas.net/admin/config/development/edge-connections>. The page shows a list of 21 edge connections, each with an "Edit" button. The connections are: Apigee Edge Singapore, Apigee Edge UK, Apigee Edge Australia, Apigee Edge US, Apigee Edge Brazil, Apigee Edge EMEA, Apigee US OnPrem External, Apigee India OnPrem External, and Apigee Edge Global NonProd. The interface includes a header with "Home", "Manage", "Shortcuts", and various navigation links like "Content", "Structure", "Appearance", "Extend", "Configuration", "Groups", "People", "Reports", and "Help".

ID	NAME	OPERATIONS
13	Apigee Edge Singapore	Edit
14	Apigee Edge UK	Edit
15	Apigee Edge Australia	Edit
16	Apigee Edge US	Edit
17	Apigee Edge Brazil	Edit
18	Apigee Edge EMEA	Edit
19	Apigee US OnPrem External	Edit
20	Apigee India OnPrem External	Edit
21	Apigee Edge Global NonProd	Edit

field name	description	Comments	DB Table Name from current solution	DB Table Field from current solution	Snapshot of the current Table and data
			DB post Edge connection		

Allow Admin to update more information w.r.t. edge locations, user info (Need to check with Jagdeesh on what this username/password is meant to perform)

← → C ⌂ gdp.internal.apicoe.uat.coaas.net/admin/config/development/edge-connections/manage/14/edit?destination=/admin/config/development/edge-connections/manage/14/edit

Home Manage Shortcuts

Content Structure Appearance Extend Configuration Groups People Reports Help

Edit Edge Connection ★

[Edit](#) [Delete](#)

Home » Administration » Configuration » Development » Edge Connections » Apigee Edge UK

Name *
Apigee Edge UK
Name of the connection.

CONFIGURATION INFO

Edge Organization *
exp-global-nonprod
The Edge org to connect to.

Username *
machine_exp-global-nonprod@experian.com

Password
Password stored in config. Enter new password here to update.

Edge Server URL *
https://api.enterprise.apigee.com/v1
The Edge Server URL, including version. Leave default (https://api.enterprise.apigee.com/v1) for Cloud Edge instances.

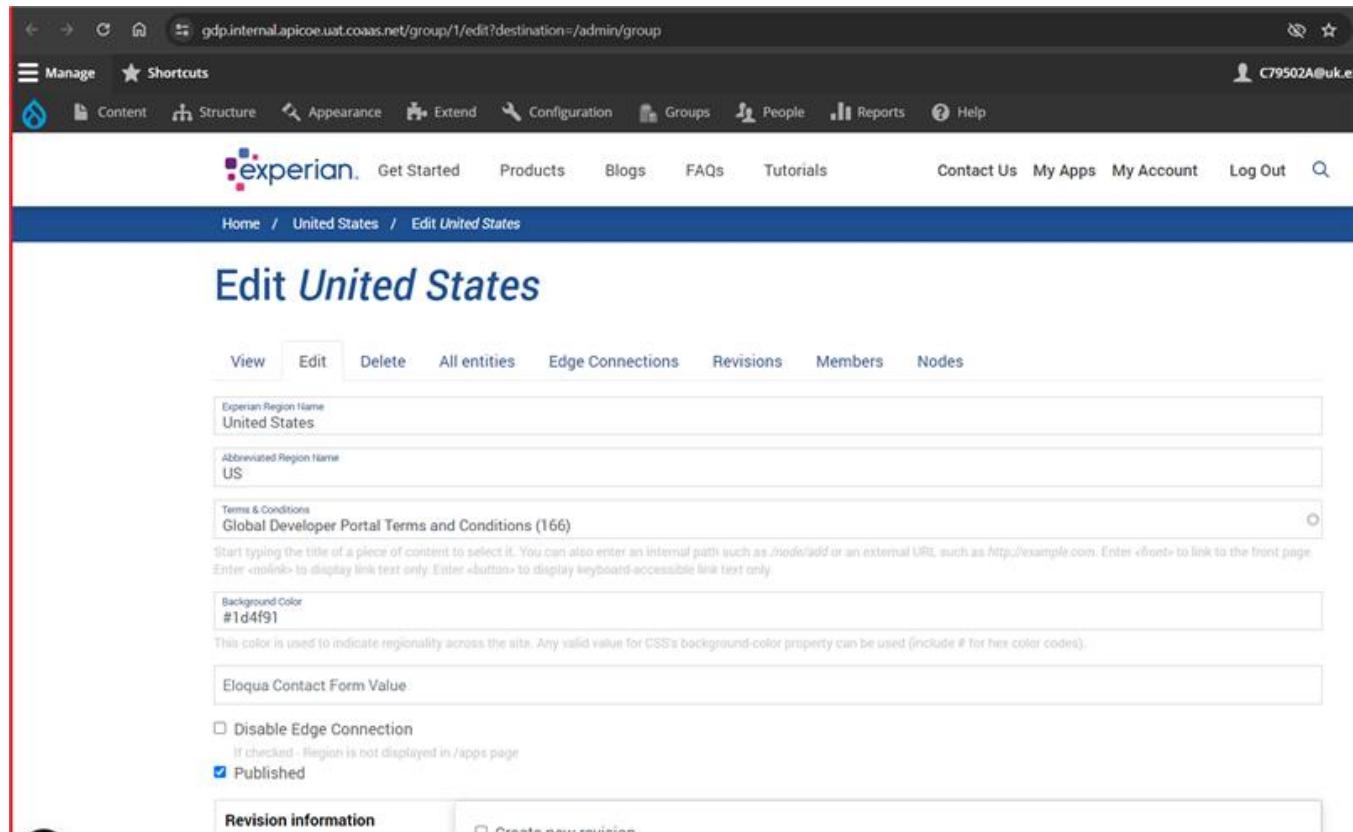
Authentication Type *
 Basic
 OAuth

OAUTH SETTINGS

field name	description	Comments	DB Table Name from current solution	DB Table Field from current solution	Snapshot of the current Table and data
edge organization					

Admin can add region or edit (where are the information coming from. what is the definition of each one of them)

create a table of all known fields



The screenshot shows the 'Edit United States' page on the Experian developer portal. The URL is gdp.internal.apicoe.uat.coaas.net/group/1/edit?destination=/admin/group. The page has a navigation bar with 'Manage', 'Shortcuts', 'Content', 'Structure', 'Appearance', 'Extend', 'Configuration', 'Groups', 'People', 'Reports', 'Help', 'Contact Us', 'My Apps', 'My Account', 'Log Out', and a search icon. Below the navigation is the Experian logo and links to 'Get Started', 'Products', 'Blogs', 'FAQs', 'Tutorials', and 'Contact Us'. The breadcrumb navigation shows 'Home / United States / Edit United States'. The main content area has tabs for 'View', 'Edit' (which is selected), 'Delete', 'All entities', 'Edge Connections', 'Revisions', 'Members', and 'Nodes'. The 'Edit' tab contains fields for 'Experian Region Name' (United States), 'Abbreviated Region Name' (US), 'Terms & Conditions' (Global Developer Portal Terms and Conditions (166)), 'Background Color' (#1d4f91), and 'Eloqua Contact Form Value'. There are checkboxes for 'Disable Edge Connection' (unchecked) and 'Published' (checked). At the bottom is a 'Revision information' section with a 'Create new revision' button.

field name	description	Comments	DB Table Name from current solution	DB Table Field from current solution	Snapshot of the current Table and data
edge organization					

Display page on the updated information from the previous page

Region and Edge connection link.

← → G ⌂ gdp.internal.apicoe.uat.coaas.net/group/1/edge-connections

Manage Shortcuts

Content Structure Appearance Extend Configuration Groups People Reports Help

 Get Started Products Blogs FAQs Tutorials Contact Us My Apps My Account

Home / United States / Edge Connection for Group United States

Connection test successful for Apigee Edge Global NonProd [\[refresh\]](#)

Edge Connection for Group *United States*

View Edit Delete All entities Edge Connections Revisions Members Nodes

Edge Connection: Apigee Edge Global NonProd

field name	description	Comments	DB Table Name from current solution	DB Table Field from current solution	Snapshot of the current Table and data
edge organization					

Admin can ADD/Edit Experian product. This is meant to map a region w.r.t. a product

gdp.internal.apicoe.ust.coaas.net/group/11/edit?destination=/admin/group

Manage Shortcuts

Content Structure Appearance Extend Configuration Groups People Reports Help

C79502ABnuk.experian.local Edit

experian Get Started Products Blogs FAQs Tutorials Contact Us My Apps My Account Log Out

Home / Auto AccuSelect (US) / Edit Auto AccuSelect (US)

Edit Auto AccuSelect (US)

View Edit Delete All entities Edge Connections Members Nodes

Experian Public Product Group
Auto AccuSelect (US)

Show row weights

Experian Region

Experian Region (value 1): United States (1)

Experian Region (value 2):

Add another item

Machine Name: AutoCheck Accuselect Sandbox

Global Product: - None -

Published

Revision information: No revision Create new revision

URL alias: No alias

Save Delete

field name	description	Comments	DB Table Name from current solution	DB Table Field from current solution	Snapshot of the current Table and data

Product Docs and Swagger file add / edit. This form is meant for uploading the swagger file for publishing the API to AWS API GW

gdp.internal.apicoe.ust.coaas.net/group/add/public_product

Manage Shortcuts

Content Structure Appearance Extend Configuration Groups People Reports Help

C79502ABnuk.experian.local Edit

experian Get Started Products Blogs FAQs Tutorials Contact Us My Apps My Account Log Out

Home / Add group / Add Experian Public Product Group

Add Experian Public Product Group

Experian Public Product Group *

Show row weights

Experian Region

Experian Region (value 1): United States (1)

Add another item

Machine Name:

Global Product: - None -

Published

Revision log message:
Briefly describe the changes you have made.

Create Experian Public Product Group and become a member

field name	description	Comments	DB Table Name from current solution	DB Table Field from current solution	Snapshot of the current Table and data
edge organization					

Product Docs and Swagger file add / edit

field name	description	Comments	DB Table Name from current solution	DB Table Field from current solution	Snapshot of the current Table and data
edge organization					

Product Docs Add /Edit

The screenshot shows the 'Edit Product Auto AccuSelect' page. At the top, there's a navigation bar with 'Manage', 'Shortcuts', and various system icons. The main content area has tabs for 'View', 'Edit', 'Delete', and 'Entityqueue'. Below this, the 'Experian Product' section lists 'Auto AccuSelect'. The 'Summary' section contains a brief description of Auto AccuSelect, mentioning its ability to integrate vehicle history report data via API. The 'Body' section contains a rich text editor with toolbar icons and a sample text about Auto AccuSelect's convenience. A note at the bottom of the body section states: 'PLEASE NOTE: Auto AccuSelect offers a complimentary Sandbox environment, including the use of 5 sample VINs, to provide clients an overview of the available APIs. If access to a full user acceptance testing (UAT) environment is required, a testing agreement will be required. Please [CONTACT US](#) to discuss that option.' The right side of the screen displays a sidebar with sections for 'Published' (last saved: Sep 17, 2021, author: admin), 'MENU SETTINGS' (not in menu), 'URL REDIRECTS', 'URL ALIAS' (alias: /products/us/auto-accuselect), 'URL alias' (with a field for /products/us/auto-accuselect), 'AUTHORIZING INFORMATION' (by admin (1) on 2020-02-26), and 'PROMOTION OPTIONS' (not promoted).

The screenshot shows the 'Create Product' page. It features a large form with fields for 'Name' (Auto AccuSelect), 'Description' (Auto AccuSelect), 'Body' (rich text editor), 'Thumbnail' (image upload), 'Category' (dropdown), 'Tags' (tags input), 'Documentation status' (checkbox), 'Documentation URL' (text input), 'Documentation file' (file input), and 'PDF file' (file input). The right side of the screen shows a preview of the product details and a sidebar with sections for 'Last saved', 'Author', 'URL alias', 'URL alias', 'Authenticating information', and 'Promotion options'.

field name	description	Comments	DB Table Name from current solution	DB Table Field from current solution	Snapshot of the current Table and data
edge organization					

gdp.internal.apicoe.uat.coaas.net/products/us/auto-accuselect/auto-accuselect-api-docs/edit?dest=

Manage Shortcuts

Content Structure Appearance Extend Configuration Groups People

Edit Product Documentation Auto AccuSelect API Docs ☆

[View](#) [Edit](#) [Delete](#)

Home » Our Products » Auto AccuSelect » Auto AccuSelect API Docs

Title *

Spec

accuselect.v9.6.1204.2023_1.yaml [Remove](#)

Hide Models Section

Published

[Save](#) [Delete](#)

field name	description	Comments	DB Table Name from current solution	DB Table Field from current solution	Snapshot of the current Table and data
edge organization					

Create Product Documentation

Home > Add content

Title *

Spec No file chosen
 One file only.
 2 MB limit.
 Allowed types: yaml yml json.

Hide Models Section

Published

Save

Last saved: Not saved yet
 Author: C79502A@uk.experian.local
 Revision log message

Briefly describe the changes you have made.

[▶ MENU SETTINGS](#) (Not in menu)
[▶ URL ALIAS](#) (Automatic alias)
[▶ AUTHORING INFORMATION](#) (By C79502A@uk.experian.local (308) on 2024-01-16)
[▶ PROMOTION OPTIONS](#) (Not promoted)

field name	description	Comments	DB Table Name from current solution	DB Table Field from current solution	Snapshot of the current Table and data
edge organization					

Define how the submission will publish the APIs to AWS API GW (drupal connector info, definition) and how it will reflect the pages...

API Publish Success

 API Publish Successfully ×

You have published ABC & XYZ APIs/ Swagger files. please add a new app and choose your products.

No Apps available at the moment.

[Create New App](#)

App Name	Client ID	Client Secret	Operations	Status
----------	-----------	---------------	------------	--------



To get started published ABC & XYZ APIs/ Swagger files.

Getting started is easy

1. Register an API user account.
 2. Try out the API sandbox.
 3. Start your integration.

[Register Now](#) [Log In](#)

API Publish Success

 API Publish Successfully ×

You have published ABC & XYZ APIs/ Swagger files. please add a new app and choose your products.

1 of 20 available apps have been created

[Create New App](#)

App Name	Client ID	Client Secret	Operations	Status
test123	*****	*****	Show Secrets Edit App Delete App	Approved
Products: Instant Credit Sandbox				
Ankit_090124	*****	*****	Show Secrets Edit App Delete App	Approved
Products: Connect API_Sandbox				

Getting started is easy

1. Register an API user account.
 2. Try out the API sandbox.
 3. Start your integration.

[Register Now](#) [Log In](#)

To get started with our APIs today, please add a new app and choose your products.

No Apps available at the moment. [Create New App](#)

App Name	Client ID	Client Secret	Operations	Status

To get started published ABC & XYZ APIs/ Swagger files.

Getting started is easy

1. Register an API user account.
2. Try out the API sandbox.
3. Start your integration.

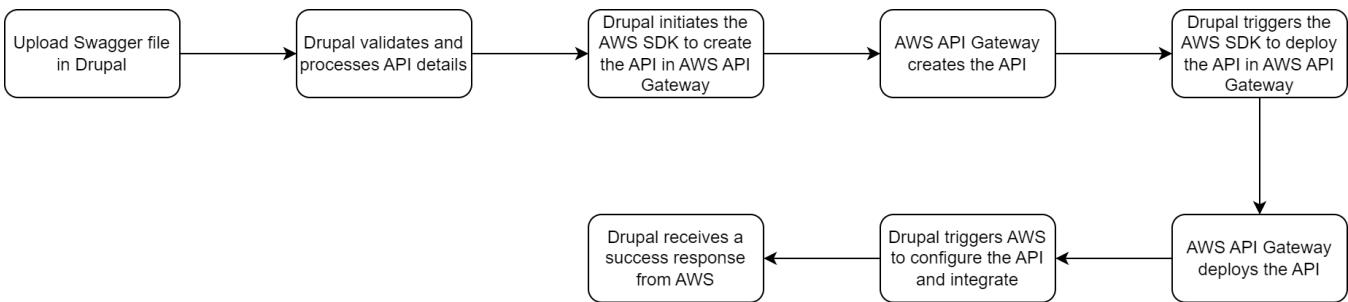
[Register Now](#) [Log In](#)

<<ListRegionwiseallAPIs.>>

Another display form should get added that will list all the APIs w.r.t the Region, back to the APICoE Admin

FLOW Diagram

Micro-Level diagram Admin flow end-end(Drupal to AWS)



Detailed Steps:

- Workflow-1: Publish APIs to AWS Enterprise Gateway using Drupal CMS. Steps are as follows
 - Admin user logs into Developer Portal. Redirect to OKTA or Authentication using JWT authentication type. Returns error '403' if credentials are invalid
 - Receive swagger Docs from Business Unit that needs to be published

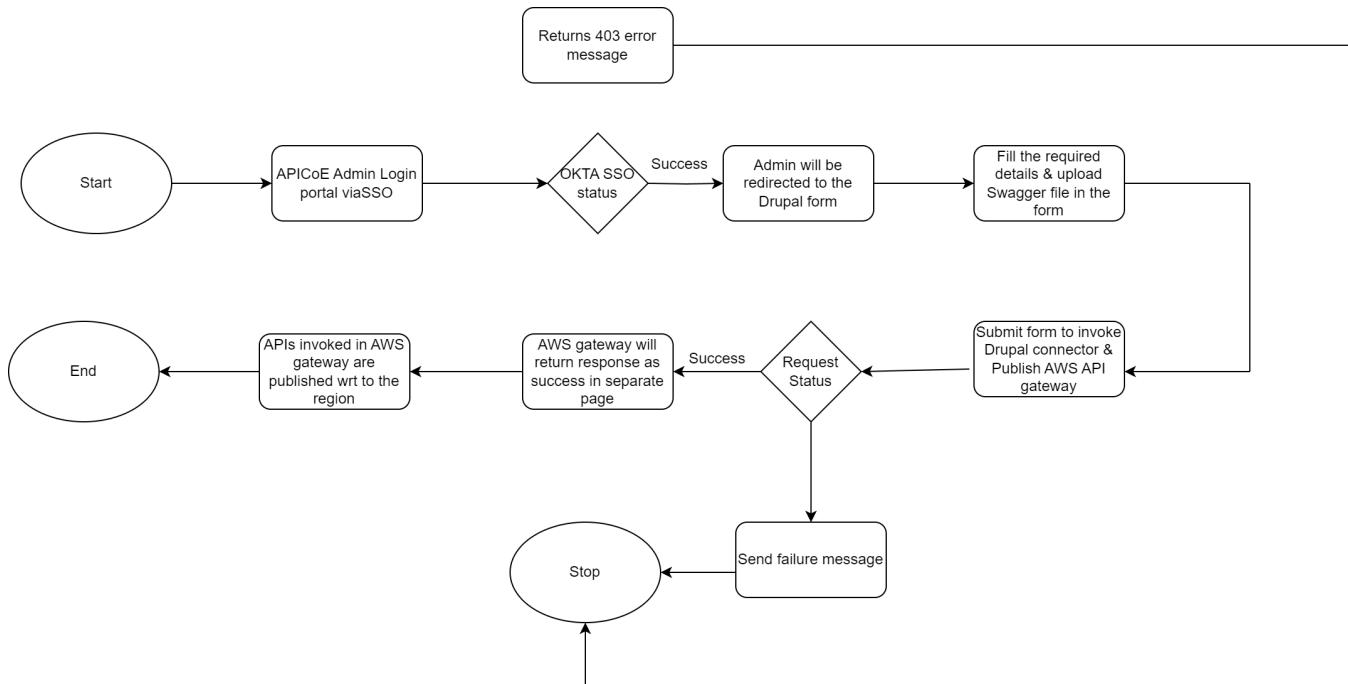
- Use Drupal form to check threshold limits and get API products per region
- AWS API Edge Client will help publish APIs to API GW
- Log into Developer Portal (<https://developer.experian.com>) as an admin
- Install a AWS Client Connector app that will integrate Drupal and AWS API GW
- Receive Swagger Docs from BU
- Open form "Enter API details". Enter information such as 'Region', 'Threshold limits' etc. Customize the APIs before publishing them by way of AWS API GW
 - eg. -Restrict the exposure of specific resources, methods, and operations of an API to other applications.
 - Define a custom gateway endpoint by customizing the URL of the gateway endpoint that your users will use to access the API.
- Upload the swagger doc. This will export the APIs to AWS API GW and list them
- API Gateway allows you to publish APIs to Developer Portal from where they are available for consumption by developers and consumers. API Gateway also allows you to publish the APIs to the following destinations:
 - Service registries. This enables applications to dynamically locate an API Gateway instance that can process that API.
 - Integration Server. This is used in API first implementation approach.
- The following sections describe how you can activate an API, customize the gateway endpoint, and publish APIs to different destinations.
 - Activating an API
 - You must first activate the API before publishing it to a portal so that the gateway endpoint is available for developers and consumers to invoke the API.
 - You must have the Activate/Deactivate APIs functional privilege assigned to perform this task. You can activate an API in the Manage APIs page. Alternatively you can also activate the API from the API Details page.
 - The Gateway endpoint is now available, which can be used by the consumers of this API. You can now publish the API to the required destination and expose the API for consumption by the consumers.
 - Once the API is activated, you can define the custom gateway endpoints. For more information about gateway endpoints, see Gateway Endpoints.
 - Once the API is activated, you can enable the tracer. For more information about how to enable the tracer and view the tracing details, see Trace API.
 - Publishing an API to Developer Portal sends the SOAP and REST APIs to Developer Portal on which they are exposed for testing and user consumption. The process of publishing an API to Developer Portal is initiated from API Gateway and is carried out on the Developer Portal server. Doing this involves the following high-level steps:
 - You initiate the publish process by selecting the API to be published, specify the API endpoints to be visible to the consumers, and the Developer Portal communities in which the API is to be published.
 - API Gateway publishes the API to each of the specified Developer Portal communities.
 - During bulk publishing of APIs, the process continues even if API Gateway encounters a failure with Developer Portal.
 - When publishing an API to the Developer Portal destination, keep the following points in mind:
 - The Developer Portal destination must be configured in API Gateway.
 - You must have the Publish to Developer Portal functional privilege.
 - You cannot publish an API if it is in inactive state. You have to activate the API before publishing it.



Business Exceptions

Exception Type	Exception	What need to be done
Business	APICoE admin SSO Failure	Check with OKTA team for respective roles and access
	Form fields missing in API publishing page	Should not allow user(admin) to click on submit button/submission button should be disabled
	Drupal connector unable to establish connection with AWS API gateway	Check with Ankit*
	Failed to publish APIs to AWS API gateway	send error message/Email to admin

Flow Diagram:



Authentication Process

The authentication process to generate the access token depends of which endpoint you will call, the most common endpoint called by the customers is the '**JSON WEB Token Request**' endpoint. This endpoint requires the **client_id** and **client_secret** from AWS Cognito App Client, and the user and password from Okta. To understand more about how to create a request to consume this endpoint, check below the '**Endpoints, HTTP Verb, Headers, Body and Query Params table**' to learn how to do that.

Specifications

Version

- Version: /v2

Path

- Path: /oauth2
- Full path with URL and Version: <https://{{ENVIRONMENT-ORGANIZATION}}-api.experian.com/oauth2/v2>

Endpoints, HTTP Verb, Headers, Body and Query Params table

	Description	Endpoint	Verb	Headers	Query Params	Body								
1	Check Access Token	/checkvalidity	GET	<table border="1"> <thead> <tr> <th></th> <th>Name</th> <th>Value</th> <th>Required?</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>authorizati on</td> <td>Bearer {{access_token}}</td> <td>Yes</td> </tr> </tbody> </table>		Name	Value	Required?	1	authorizati on	Bearer {{access_token}}	Yes		
	Name	Value	Required?											
1	authorizati on	Bearer {{access_token}}	Yes											

2	JSON WEB Token Request	/token	POST	<table border="1"> <thead> <tr> <th></th><th>Name</th><th>Value</th><th>Required?</th></tr> </thead> <tbody> <tr> <td>1</td><td>client_id</td><td>{{{client_id}}}</td><td>Yes</td></tr> <tr> <td>2</td><td>client_secret</td><td>{{{client_secret}}}</td><td>Yes</td></tr> <tr> <td>3</td><td>exp-system-info</td><td>{{{exp-system-info}}}</td><td>No</td></tr> </tbody> </table>		Name	Value	Required?	1	client_id	{{{client_id}}}	Yes	2	client_secret	{{{client_secret}}}	Yes	3	exp-system-info	{{{exp-system-info}}}	No	JSON: { "username": "{{user_name}}", "password": "{{user_password}}" }
	Name	Value	Required?																		
1	client_id	{{{client_id}}}	Yes																		
2	client_secret	{{{client_secret}}}	Yes																		
3	exp-system-info	{{{exp-system-info}}}	No																		
3	Revoke Access Token	/revoketoken	POST	<table border="1"> <thead> <tr> <th></th><th>Name</th><th></th><th>Required?</th></tr> </thead> <tbody> <tr> <td>1</td><td>client_id</td><td>{{{client_id}}}</td><td>Yes</td></tr> <tr> <td>2</td><td>client_secret</td><td>{{{client_secret}}}</td><td>Yes</td></tr> <tr> <td>3</td><td>token</td><td>{{{token}}}</td><td>Yes</td></tr> </tbody> </table>		Name		Required?	1	client_id	{{{client_id}}}	Yes	2	client_secret	{{{client_secret}}}	Yes	3	token	{{{token}}}	Yes	Empty JSON {}
	Name		Required?																		
1	client_id	{{{client_id}}}	Yes																		
2	client_secret	{{{client_secret}}}	Yes																		
3	token	{{{token}}}	Yes																		

Response when Successful

	Description	Endpoint	Verb	Status Code	Response Example	Details
1	Check Token	/checkvalidity	GET	200	None	
2	JSON WEB Token	/token	POST	200	{ "issued_at": "1694809674274", "expires_in": "1800", "token_type": "Bearer", "access_token": "" }	
3	Revoke Token	/revoketoken	POST	200	None	

Response when Fail

	Description	Endpoint	Verb	Status Code	Response Example	Example
1	Check Token	/checkvalidity	GET	401	{ "errors": [{ "errorType": "Unauthorized", "message": "Access is denied due to invalid access token" }], "success": false }	Error when you are missing the header Authorization
2	JSON Web Token Request	/token	POST	400	{ "errors": [{ "errorType": "Bad Request", "message": "The 'client_id' and 'client_secret' attributes are required" }], "success": false }	Error when you are missing the header client_id OR client_secret
3				401	{ "errors": [{ "errorType": "Unauthorized", "message": "Access is denied due to invalid 'username' or 'password'. For further assistance, please contact Experian Helpdesk at 800-854-7201 or TSCAPISupport@experian.com" }], "success": false }	Error when the body user OR password are wrong.
4				415	{ "errors": [{ "errorType": "Unsupported Media Type", "message": "Content-Type header is unsupported" }], "success": false }	Error when you are missing the body JSON request

5				500	<pre>{ "errors": [{ "errorType": "Internal Server Error", "message": "Internal Server Error. If problems persist, please contact apisupport@experian.com" }], "success": false }</pre>	Error when you are missing the body user OR password.
6	Revoke Access Token	/revoketoken	POST	401	<pre>{ "errors": [{ "errorType": "Unauthorized", "message": "Access is denied due to invalid 'username' or 'password'. For further assistance, please contact Experian Helpdesk at 800-854-7201 or TSCAPISupport@experian.com" }], "success": false }</pre>	Error when you are missing the header client_secret
7				401	<pre>{ "errors": [{ "errorType": "Unauthorized", "message": "Failed to resolve API Key variable request.header.client_id" }], "success": false }</pre>	Error when you are missing the header client_id
8				500	<pre>{ "errors": [{ "errorType": "Internal Server Error", "message": "Internal Server Error. If problems persist, please contact apisupport@experian.com" }], "success": false }</pre>	Error when you are missing the header token

Proxy Dependencies

Target Server

No target server

KVMs

	Map Identifier	Name	Encrypted	Details
1	FINICITY_TOKEN_CUSTOMIZATION	ACCESS_TOKEN_EXPIRY_MILIS	Yes	If the request header exp-System-info is equals Yes, the values from this KVM will be used
2		ACCESS_TOKEN_EXPIRY_SEC	Yes	
3	Apigee_JWT_Keys	private	Yes	The values from this KVM are to generate the JWT or JWE
4		public	Yes	
5	OKTA_API_KEY_ENCR	OktaAPIKey	Yes	The value from this KVM is necessary to Apigee-Okta integration. This is the authorization bearer token.
6	OKTA_OPEN_ID_CONNECTION_ATTR	clientId	Yes	This KVM looks like it is not finished by the developer.
7		clientSecret	Yes	
8		AUTH_SERVER_ID_DEFAULT	Yes	
9	SPIKE_ARREST_RATE	RESOURCE_OWNER_PASSWORD_GRANT	Yes	The values from this KVM are the reference rate to the policy Spike Arrest, for each endpoint is a different value
10		CLIENT_CREDENTIALS_GRANT	Yes	
11		REVOKE_GRANT	Yes	
12		REFRESH_GRANT	Yes	

13		PASSWORD_CHANGE	Yes	
14	SPLUNK_TOKEN	AUTHORIZATION_TOKEN	Yes	The values from this KVM are to the integration between Apigee and Splunk
15		SPLUNK_URL	Yes	
16	IP_WHITELIST_CONFIG	HeaderToCheck	Yes	The values from this KVM are necessary to validate the IP range and to the validate the IP restrictions.
17		ExtraIPsToCheck	Yes	
18	TOKEN_EXPIRY_TIME	ACCESS_TOKEN_EXPIRY_MIL LIS	Yes	The values from this KVM are necessary to the expiration time for the access token and refresh token.
19		ACCESS_TOKEN_EXPIRY_SEC	Yes	
20		REFRESH_TOKEN_EXPIRY_MI LLIS	Yes	

TLS Key Store

Not applicable/No target Server

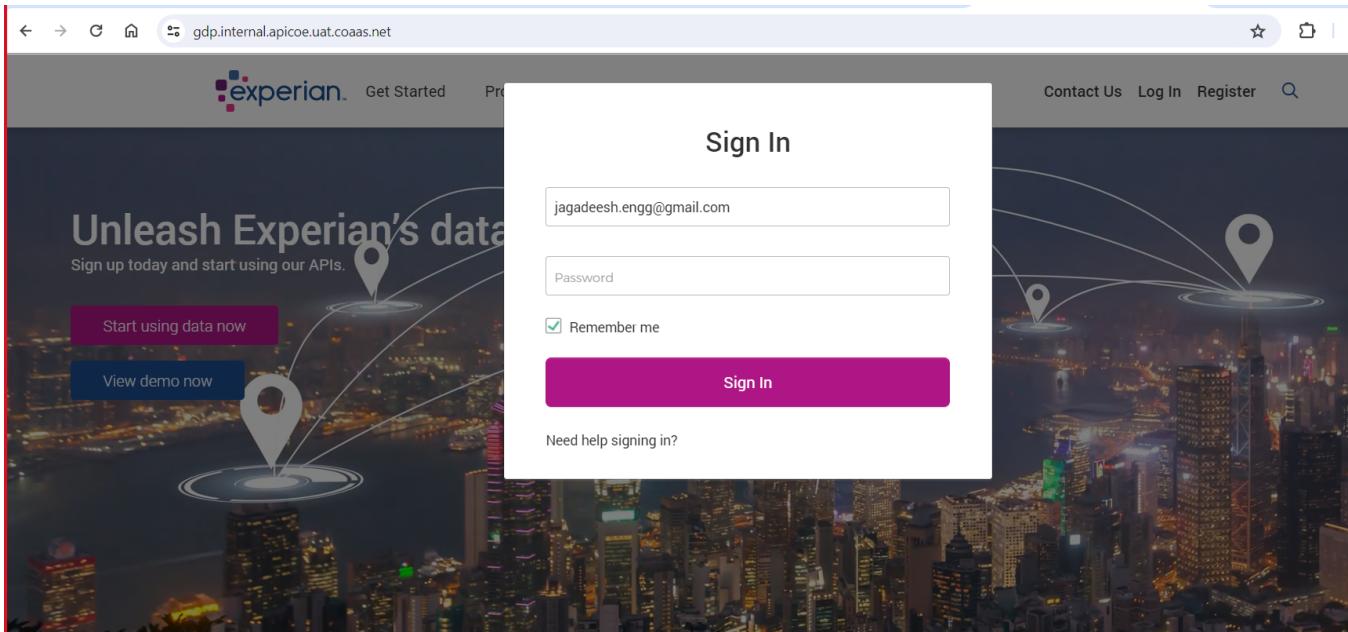
Virtual Host

- secure

Cache

	Resource	Prefix	Key Fragment	Details
1	JWT_Cache	Oauth	JWT	This cache keep the Fat JWT token, when the endpoint ' Show Cached JWT ' is called we retrieve the FAT Token using the JTI from the access token and the API Product from the query param.
2			Apigee API Product	
3	OKTA CLAIM S_CACHE	Oauth	OKTACLAIMS	This cache keep the Okta claims
4	JWT_Cache	UserType	JTI	This cache keep the user type from Okta profile
5	JWE_Cache	Oauth	JWE	This cache keep the JWE, IF the custom attribute ' Cache_Encrypted_Payload ' from API Product, is equals YES.
6			Okta User	
7	JWT_Cache	OktaOauth	Okta Access Token	This cache keep the Okta <u>access</u> _token
8	JWT_Cache	OktaOauth	Okta Refresh Token	This cache keep the Okta <u>refresh</u> _token

Go to URL; "gdp.internal.apcoe.uat.cooas.net"



After sign in user will redirected to this Registration page.

A screenshot of a web browser showing the Experian Developer Portal registration page. The URL in the address bar is "gdp.internal.apicoe.uat.coaas.net/ssologin/register". The page has a dark header with the Experian logo and navigation links for "Get Started", "Products", "Blogs", "FAQs", "Tutorials", "Contact Us", "Log In", and "Register". Below the header, a blue navigation bar shows "Home / Register". The main content area is titled "Register" and contains a sub-instruction: "To learn more and to access Experian APIs in a sandbox environment, please register using the form below." There are several input fields: "Email Address - this is also your username *", "Confirm Email Address *", "First Name *", "Last Name *", "Company Name *", "Phone Number *", and "Preferred Country *". At the bottom, there are two checkboxes: one for accepting "Legal Terms & Conditions" and "Privacy Policy" and another for "I do not wish to receive a newsletter, communications from Experian Developer portal". A CAPTCHA field is also present.

User will redirect to MY APPS page.

gdp.internal.apicoe.uat.coaas.net/apps

experian. Get Started Products Blogs FAQs Tutorials Contact Us My Apps My Account Log Out

Home / My Apps

My Apps

To get started with our APIs today, please add a new app and choose your products.

Regions

My US Apps | My UK Apps | My BR Apps | My ES Apps
 My FR Apps | My DE Apps | My IT Apps | My AU Apps



My US Apps
 View My Apps
 20 Products Available For Use

My UK Apps
 View My Apps
 16 Products Available For Use

My BR Apps
 View My Apps
 1 Product Available For Use

User will click on View my APPS then redirected to below page

gdp.internal.apicoe.uat.coaas.net/group/1/user/309/apps

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Home / My Apps / My US Apps

My US Apps

To get started with our APIs today, please add a new app and choose your products.

1 of 25 available apps have been created [Create new app](#)



App Name	Client ID	Client Secret	Operations	Status
My Au	Show Secrets Edit App Delete App	Approved

Products: CIS MISMO TEST BIS Businesses

User should click on create new app then user will redirected to below page.

gdp.internal.apicoe.uat.coaas.net/group/1/user/309/apps/e1d2977c-0d69-498d-c193aed684f1/edit

experian. Get Started Products Blogs FAQs Tutorials Contact Us My Apps My Account

Home / My Apps / My Apps / Edit My US App

for an access token and invoke one of available APIs.

App Name* *Required Field
My Au

Select Product(s)*

<input checked="" type="checkbox"/> BIS Businesses Info Swagger	<input type="checkbox"/> Background Data Sandbox Info Swagger
<input checked="" type="checkbox"/> CIS MISMO TEST Info Swagger	<input type="checkbox"/> CIS-ConnectAPI Info Swagger
<input type="checkbox"/> CIS-NetConnect-TSVSProduct Info Swagger	<input type="checkbox"/> Clarity Data Sandbox Info Swagger
<input type="checkbox"/> Collections Sandbox Info Swagger	<input type="checkbox"/> Consumer Services Credit Profile Sandbox Info Swagger
<input type="checkbox"/> Data and Attributes Access Sandbox Info Swagger	<input type="checkbox"/> Decisioning Prequalification Sandbox Info Swagger

If user clicks on products page user will redirected to this below page.

gdp.internal.apicoe.uat.coaas.net/products

experian. Get Started Products Blogs FAQs Tutorials Contact Us My Apps My Account Log Out

Home / Our Products

Select a region to view products from that region.

Our Products

Experian provides a collection of APIs to help you build integrations for a wide range of use cases. Listed below are the current APIs we have available for you to test.

Featured Products

 PowerCurve Customer Acquisition A collection of APIs to help building integrations for a wide range of use cases API Info	 Commercial Credit Streamline risk management processes with integration of commercial credit data API Info	 PowerCurve Customer Acquisition A collection of APIs to help building integrations for a wide range of use cases API Info
Account Monitoring Service US Account Monitoring Service helps users proactively monitor business-to-business credit portfolios and view changes to customers' credit profiles. This allows customers to manage risk better, effectively allocate		

Products DOS

gdp.internal.apicoe.uat.coaas.net/products/us/transactional-services

experian. Get Started Products Blogs FAQs Tutorials Contact Us My Apps My Account Log Out

Home / Our Products / AccountView

AccountView

us

AccountView allows consumers to permission access to one or more financial institution accounts. The consumer experience can be embedded in your UI or can be initiated by an email to the consumer. Once the consumer has permissioned their account(s) you can request one or more of the below outputs.

Verification of Income
Confirm up to 24 Months of historical income.
Our report includes:

- Multiple financial institutions and accounts
- Account owner(s) and address
- Account types and detailed income transaction including FI Transaction ID
- Income streams and income totals-historical and estimated future

Verification of Assets
Confirm up to 6 Months of asset information.
Bank validated insights into borrower assets. Easily identify underwriting factors that could affect credit decisioning.

Swagger page

The screenshot shows the Finicity API 1.0.0 Swagger page. At the top, there's a navigation bar with links for Get Started, Products, Blogs, FAQs, Tutorials, Contact Us, My Apps, My Account, Log Out, and a search icon. Below the navigation is a breadcrumb trail: Home / Our Products / AccountView API Docs. The main title is "Finicity API 1.0.0". It includes a base URL: <https://sandbox-us-api.experian.com/consumerservices/tvs/v1/integrations>. A note says "Click link below to download this swagger file" with a link to https://gdp.internal.apicoe.uat.coaas.net/system/files/2020-11/finicitysandbox_0.yaml. There's also a link to "Expose Finicity API through Apigee". On the left, there's a dropdown for "Schemes" set to "HTTPS" and an "Authorize" button. The main area is titled "Consumer" and lists several API endpoints:

- POST /aggregation/v1/customers/testing Create Testing Customer (locked)
- POST /aggregation/v1/customers/active Create Active Customer (locked)
- GET /aggregation/v1/customers/{customerID} Get Customer (locked)
- PUT /aggregation/v1/customers/{customerID} Update Customer (locked)
- DELETE /aggregation/v1/customers/{customerID} Delete Customer (locked)

Product Auth

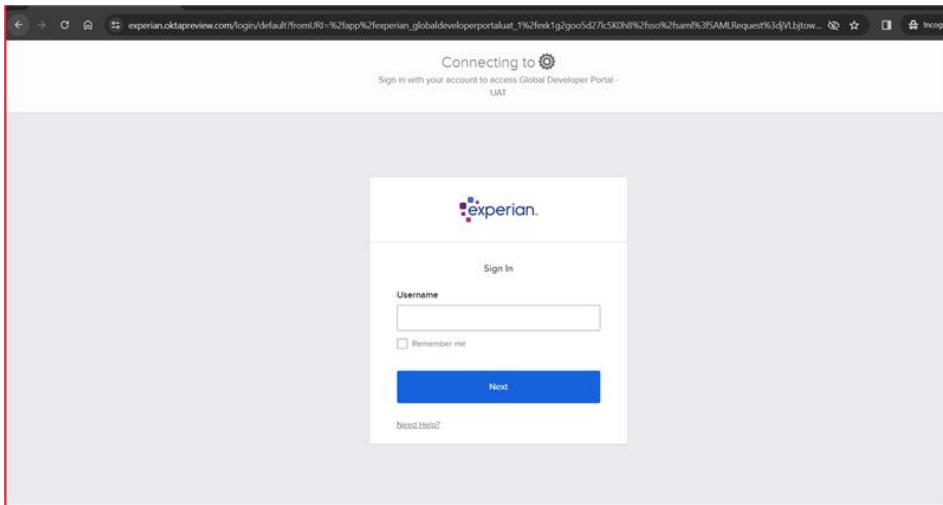
The screenshot shows the Finicity API 1.0.0 Swagger page with the "Available authorizations" dialog open. The dialog title is "Available authorizations". It explains that scopes are used to grant an application different levels of access to data on behalf of the end user. It notes that each API may declare one or more scopes. It says the API requires the following scopes: Select which ones you want to grant to Swagger UI. The dialog shows the "OAuthSecurity (OAuth2, password)" section with the following details:

- Token URL: <https://sandbox-us-api.experian.com/oauth2/v1/token>
- Flow: password
- username:
- password:
- Client credentials location: Authorization header
- client_id:
- client_secret:

At the bottom right of the dialog is an "Authorize" button.

ADMIN/B2E login

Admin should enter username.



Admin can establish EDGE Connections to there products/APIs w.r.t Region.

A screenshot of a web browser showing the 'Edge Connections' management interface in the Apigee API Cloud Platform. The URL is 'gdp.internal.apicoe.uat.coaas.net/admin/config/development/edge-connections'. The page has a header with navigation links like Home, Manage, Content, Structure, Appearance, Extend, Configuration, Groups, People, Reports, and Help. Below the header, the title is 'Edge Connections'. A sub-header shows the path: Home > Administration > Configuration > Development. There is a blue button '+ Add new Edge Credentials'. A table lists 11 edge connections with columns for ID, NAME, and OPERATIONS (with an 'Edit' dropdown). The connections are: 13. Apigee Edge Singapore, 14. Apigee Edge UK, 15. Apigee Edge Australia, 16. Apigee Edge US, 17. Apigee Edge Brazil, 18. Apigee Edge EMEA, 19. Apigee US OnPrem External, 20. Apigee India OnPrem External, and 21. Apigee Edge Global NonProd.

Admin can ADD new and update existing products /APIs.

Edit Edge Connection

Name Apigee Edge UK

Edge Organization apig-global-norstrand

The Edge org to connect to.

Username teamone_apig-global-norstrand@apigpas.com

Password

password stored in config. Enter new password here to update.

Edge Server URL https://app-enterprise.apigee.com/v1

The Edge Server URL, including version. Leave default (https://app-enterprise.apigee.com/v1) for Cloud Edge instances.

Authentication Type

- Basic
- OAuth

Admin can add region or edit

Edit United States

Global Region Name United States

Abbreviated Region Name US

Background Color #1d4f91

Eloqua Contact Form Value

Disable Edge Connection

If checked - Region is not displayed in /apps page

Published

Region and Edge connection link.

The screenshot shows a web browser window with the URL gdp.internalapicoe.uat.coaas.net/group/1/edge-connections. The page title is "Edge Connection for Group United States". The top navigation bar includes links for Manage, Content, Structure, Appearance, Extend, Configuration, Groups, People, Reports, and Help. Below the navigation is a header with the Experian logo and links for Get Started, Products, Blogs, FAQs, Tutorials, Contact Us, My Apps, and My Account. The main content area displays a green banner stating "Connection test successful for Apigee Edge Global NonProd". Below this, the title "Edge Connection for Group United States" is centered. A navigation bar below the title includes View, Edit, Delete, All entities, Edge Connections (which is selected), Revisions, Members, and Nodes. A sub-header "Edge Connection: Apigee Edge Global NonProd" is present.

Admin can ADD/Edit Experian product.

The screenshot shows a web browser window with the URL gdp.internalapicoe.uat.coaas.net/group/11/edit?destination=/admin/group. The page title is "Edit Auto AccuSelect (US)". The top navigation bar is identical to the previous screenshot. The main content area shows a form for editing the product. The form fields include:

- Experian Region:** A dropdown menu showing "Experian Region (value 1)" with "United States (1)" selected.
- Experian Region (value 2):** A dropdown menu showing "Experian Region (value 2)".
- Add another item:** A button to add more items.
- Global Product:** A dropdown menu showing "AutoCheck AccuSelect Sandbox".
- Published:** A checked checkbox.
- Revision information:** Fields for "Last revision" (empty), "Create new revision" (unchecked), "URL alias" (empty), and "No alias" (empty).

At the bottom of the form are "Save" and "Delete" buttons.

Product Docs and Swagger file add / edit

The screenshot shows a web-based form titled 'Add Experian Public Product Group'. At the top, there is a search bar labeled 'Experian Public Product Group' and a button 'Show now weights'. Below this is a section titled 'Experian Region' with a dropdown menu showing 'Experian Region (value 1)'. A button 'Add another item' is visible. Under 'Global Product', there is a dropdown menu set to '-None-'. A checkbox 'Published' is checked. In the 'Revision information' section, it says 'No revision' and 'URL alias No alias'. There is a text area for 'Revision log message' with placeholder text 'Briefly describe the changes you have made.' At the bottom, there is a button 'Create Experian Public Product Group and become a member'.

Product Docs and Swagger file add / edit

The screenshot shows a 'Manage' interface for adding new content. It features a toolbar with 'Add existing content' and 'Add new content' buttons. Below the toolbar, there are tabs for 'View', 'Edit', 'Delete', 'All entities', 'Edge Connections', 'Members', and 'Nodes'. The 'Nodes' tab is selected. Under 'Published status', there is a dropdown menu with '- Any -'. The 'Type' section has a dropdown menu with '- Any -' and a list of content types: 'Any', 'Any', Article, Basic page, FAQ Category, Product, Product Documentation, Product Support Document, and Tutorial. At the bottom, there are fields for 'Auto AccuSelect', 'Product', 'Published' (set to Sep 17, 2021), and a 'View relation' dropdown. A large preview window at the bottom displays a landing page with a purple header 'Getting started is easy' and a search bar.

The screenshot shows a list of nodes. The columns are 'Title', 'Content type', 'Status', 'Updated', and 'Operations'. There are two entries:

Title	Content type	Status	Updated	Operations
Auto AccuSelect API Docs	Product Documentation	Published	Sep 5, 2023	<button>View relation</button>
Auto AccuSelect	Product	Published	Sep 17, 2021	<button>View relation</button>

Product Docs Add /Edit

Swagger Add / Edit

The screenshot shows the 'Edit Product Documentation' page for 'Auto AccuSelect API Docs'. The title field contains 'Auto AccuSelect API Docs'. The 'Spec' section includes a file input field with 'accuselect.v9.6.1204.2023_1.yaml' and a 'Remove' button. A checked checkbox for 'Published' is present. The 'Save' and 'Delete' buttons are at the bottom.

Edit Product Documentation Auto AccuSelect API Docs ☆

Title *
Auto AccuSelect API Docs

Spec
accuselect.v9.6.1204.2023_1.yaml [Remove](#)

Hide Models Section

Published

Save **Delete**

The screenshot shows the 'Create Product Documentation' page. The title field is empty. The 'Spec' section has a 'Choose File' button with 'No file chosen'. A note says 'One file only. 2 MB limit. Allowed types: yaml yml json.' A checked checkbox for 'Published' is present. The 'Save' button is at the bottom.

Create Product Documentation ☆

Title *

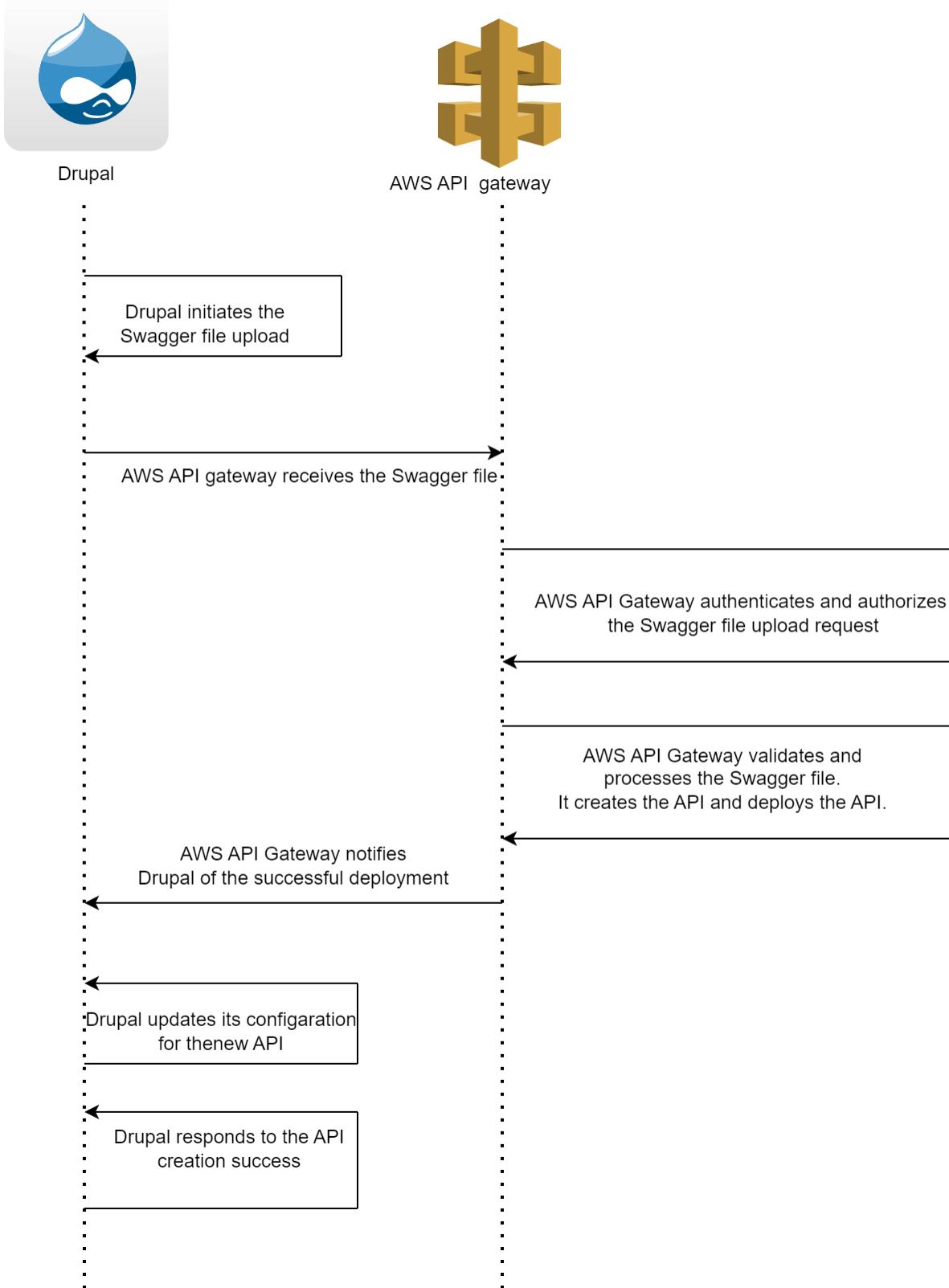
Spec
Choose File | No file chosen

One file only.
2 MB limit.
Allowed types: yaml yml json.

Hide Models Section

Published

Save



Admin user action/activity sequence :

1. User register with required inputs on the portal(input).
2. Login with user credentials (Input).
3. Credentials validated via OKTA(validation).
4. User redirected to establishing edge connections(input(new/edit)).

5. Admin can create new or edit edge connections by providing edge connection details and APIGEE server credentials(input).
6. Admin need to add or edit region(input).
7. In next page admin can see edge connection establishment message(info).
8. Admin can ADD/EDIT region to the Experian product(input)- can also assign multiple regions to single product(input).
9. Admin now can assign product to available groups(input).
10. Admin should select "type" "relation" to assign product to group(input).
11. Admin can ADD/EDIT product documentation. For a single product there could be multiple documentations(input).
12. Admin can EDIT the Swagger file which he/she has created(input).
13. Admin can ADD or update documentation related to product(input).

B2C User action/activity sequence:

1. User will access the portal page with a URL(input).
2. User to register on portal by providing the details(input).
3. User to signin to the page with registered credentials(input).
4. User redirected to MYAPPS page select region to access region specific application product(input).
5. User will be redirected to page where he/she can create personal APP(output).
6. User can click CREATE NEW APP select APIs/product related to specific region (input).
7. User can select required product/API to access documentation and end points(output).
8. User will select his custom created APP(input).
9. User will be redirected to product documentation and API endpoints(output).
10. User can access different endpoints and utilize as per the requirement.
11. To utilize API/product user need to provide credentials and Authorize(input).
12. If Authorized successfully user will be able to see a prompt message(output).
13. Now user can be able to Utilize the product(output).