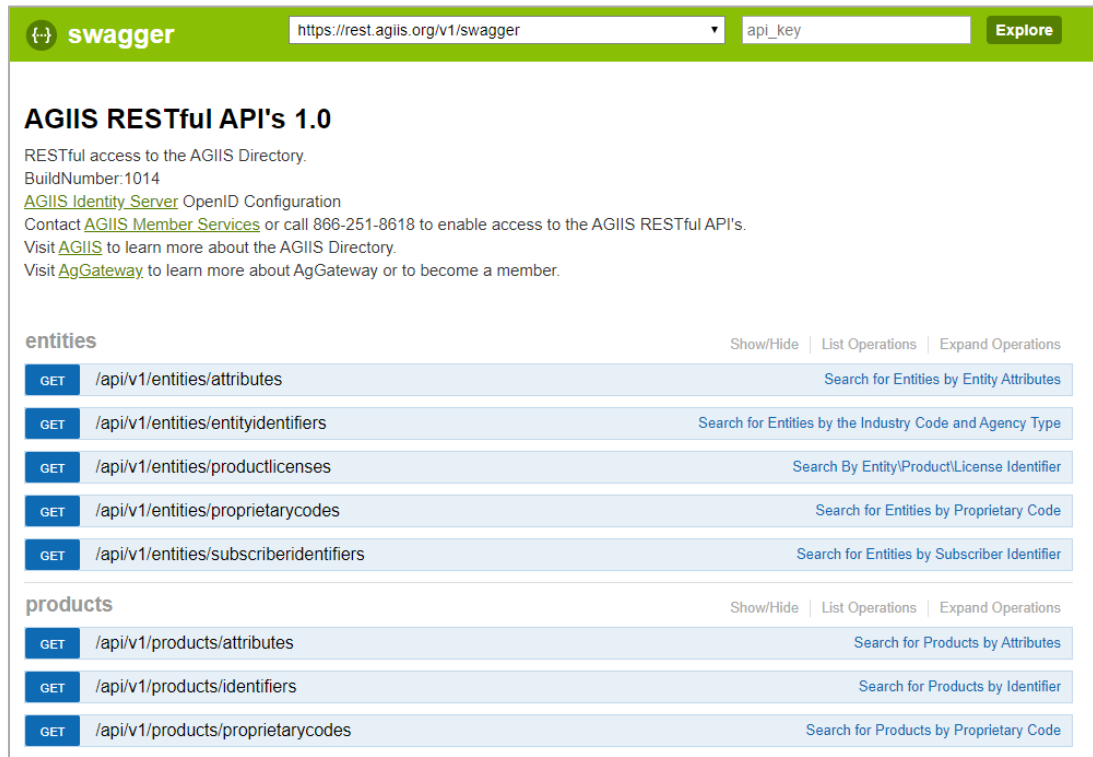


Using AGIIS REST API with Swagger

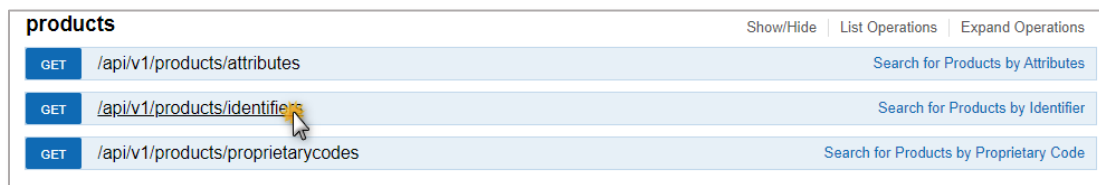
Use the following steps to use the AGIIS RESTful API's to perform a Product Search by GTIN using SWAGGER.

Steps

1. Open the url <https://rest.agiis.org/swagger/ui/index>. The SWAGGER documentation page will appear.



2. For this example, click on the “GET `/api/v1/products/identifiers`” section to Search for Products by Identifier



- This will open to display more information about this API, showing a description, the input parameters, responses, and a web-based form that can be used to test various inputs and display results.

products Show/Hide List Operations Expand Operations

GET </api/v1/products/attributes> [Search for Products by Attributes](#)

GET </api/v1/products/identifiers> [Search for Products by Identifier](#)

[Implementation Notes](#)

Search for Products by Identifier

[AGIIS Identity Server](#) - Required Scope: agiisrest

Response Class (Status 200) !

OK

Model | **Example Value**

```
{
  "value": [
    {
      "id": 0,
      "correlationId": "string",
      "gtin": "string",
      "body": {
        "productSearchOutboundDetails": [
          {
            "companyInformation": {
              "contactName": "string"
            }
          }
        ]
      }
    }
  ]
}
```

Response Content Type

Parameters

Parameter	Value	Description	Parameter Type	Data Type
GTIN		GTIN Identifier (e.g. '90410000002769'). The 14 digit GTIN uniquely identifies the package configuration for the search. The GTIN can be supplied with or without hyphens.	query	string

- Before a search is initiated the REST API must be authenticated. Click on the red exclamation button.

[Implementation Notes](#)

Search for Products by Identifier

[AGIIS Identity Server](#) - Required Scope: agiisrest

Response Class (Status 200) !

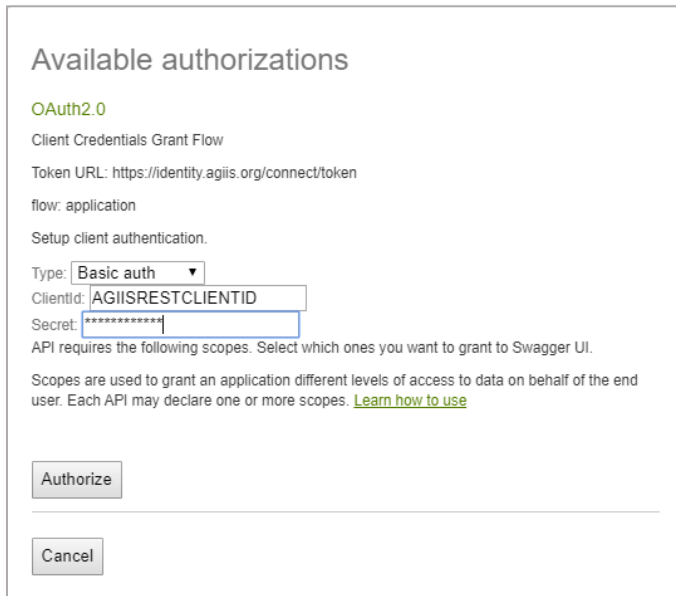
OK

Model | **Example Value**

```
{
  "value": [
```



5. A pop-up window will appear. Select “**Basic auth**” in the dropdown list. Then enter your user name and password. Click the **Authorize** button.



Available authorizations

OAuth2.0

Client Credentials Grant Flow

Token URL: <https://identity.agiis.org/connect/token>

flow: application

Setup client authentication.

Type: **Basic auth**

ClientId: AGIISRESTCLIENTID

Secret: [REDACTED]

API requires the following scopes. Select which ones you want to grant to Swagger UI.

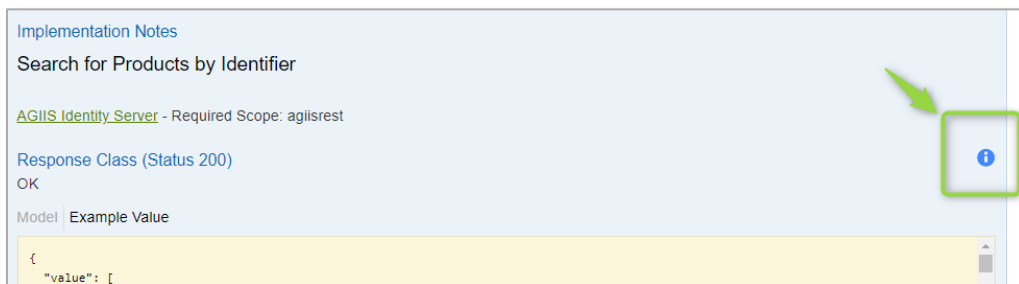
Scopes are used to grant an application different levels of access to data on behalf of the end user. Each API may declare one or more scopes. [Learn how to use](#)

Authorize

Cancel

6. Wait momentarily for the page to refresh.

If authorization succeeds a **blue** exclamation button will appear indicating *authentication succeeded*.



Implementation Notes

Search for Products by Identifier

[AGIIS Identity Server](#) - Required Scope: agiisrest

Response Class (Status 200)

OK

Model | Example Value

```
{
  "value": [
```

A green arrow points to a blue exclamation mark icon in the top right corner of the panel, indicating successful authentication.

7. Test the Product Search by Identifiers by typing in a GTIN value, 90410000002769

Response Content Type:

[Parameters](#)

Parameter	Value	Description	Parameter Type	Data Type
GTIN	90410000002769	GTIN Identifier (e.g. '90410000002769'). The 14 digit GTIN uniquely identifies the package configuration for the search. The GTIN can be supplied with or without hyphens.	query	string
EBID		EBID value (e.g. '1100044641678')	query	string
ProductIdentifier		Product Identifier (e.g. '280.00'). Searching by Product Identifier requires both that value and an identifier of the company (e.g.	query	string

8. Click the **Try it out!** button at the bottom of the section.

[Response Messages](#)

HTTP Status Code	Reason	Response Model	Headers
204	Search was successfully processed by the server but no results were found.		
400	Search was attempted by the server but no results were found due to invalid input. Check Response Value field for additional information such as input requirements, validation failures encountered, etc.		
404	The requested resource does not exist on the server. Check endpoint, server connection, URL construction for correct syntax.		
500	An Internal error occurred processing the request.		

[Try it out!](#)

9. Scroll down the page and find the “Response Body”. There will be a JSON search result with 2 main sections, “header” and “body”. The search results will be contained in the “body” section. Scroll down in the “Response Body” to the “body” section and view the search results. Notice in the “Response Code” section a 200 value. This indicates a search result found.

[Try it out!](#) [Hide Response](#)

Curl

```
curl -X GET --header 'Accept: application/json' --header 'Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1bmYiOiJlN
```

Request URL

```
https://rest.agiis.org/api/v1/products/identifiers?GTIN=90410000002769
```

Response Body

```
{
  "thisDocumentDateTime": {
    "dateTime": {
      "dateTimeQualifier": "On",
      "value": "20191126T124847"
    }
  },
  "from": {
    "partnerInformation": {
      "partnerName": "CSC",
      "partnerIdentifier": {
        "agency": "EBID",
        "value": "1324108090000"
      }
    },
    "contactInformation": {
      "contactName": "AGIIS Member Services",
      "emailAddress": "helpdesk@agiis.org",
      "telephoneNumber": {
        "nationalTelephoneNumber": "(866)251-8618"
      }
    }
  }
}
```

Response Code

```
200
```

Response Headers

```
{
  "api-supported-versions": "1.0",
}
```

10. Simulate a not found search result by inputting a GTIN value that does not exist, for example 90410000002760. Click the “Try it out!” button and look at the “Response Body” and “Response Code”. Notice the “Response Code” value.

11. The Response section details the Status Codes(other than 200 OK) that can be returned

Response Messages		
HTTP Status Code	Reason	Response Model
204	Search was successfully processed by the server but no results were found.	
400	Search was attempted by the server but no results were found due to invalid input. Check Response Value field for additional information such as input requirements, validation failures encountered, etc.	
404	The requested resource does not exist on the server. Check endpoint, server connection, URL construction for correct syntax.	
500	An internal error occurred processing the request.	

[Try it out!](#) [Hide Response](#)

12. Try a product search with no parameters. Notice the “Response Code” and the **Value** in the Response Body indicates a missing parameter.

[Try it out!](#) [Hide Response](#)

Curl

```
curl -X GET --header 'Accept: application/json' --header 'Authorization: Bearer eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1bmYiOiJlN...
```

Request URL

```
https://rest.agiis.org/api/v1/products/identifiers
```

Response Body

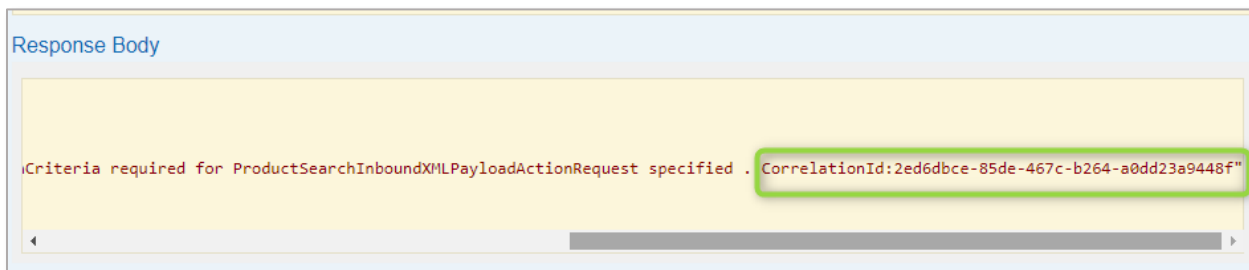
```
{
  "@odata.context": "https://rest.agiis.org/api/v1/$metadata#Edm.String",
  "value": "Error: Required XML element for operation requested is missing. XML Element: ProductSearchCriteria required for Pro"
}
```

Response Code

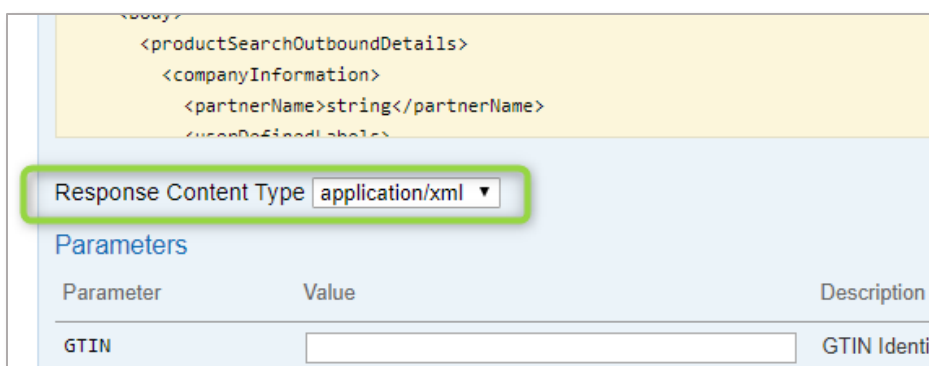
```
400
```

13. NOTE: The **Value** in the response will contain more information regarding the search results and can be used to determine why no search results were returned.

14. A unique **CorrelationId** for this specific API call will also be included and can be used in reference and for troubleshooting with end users.



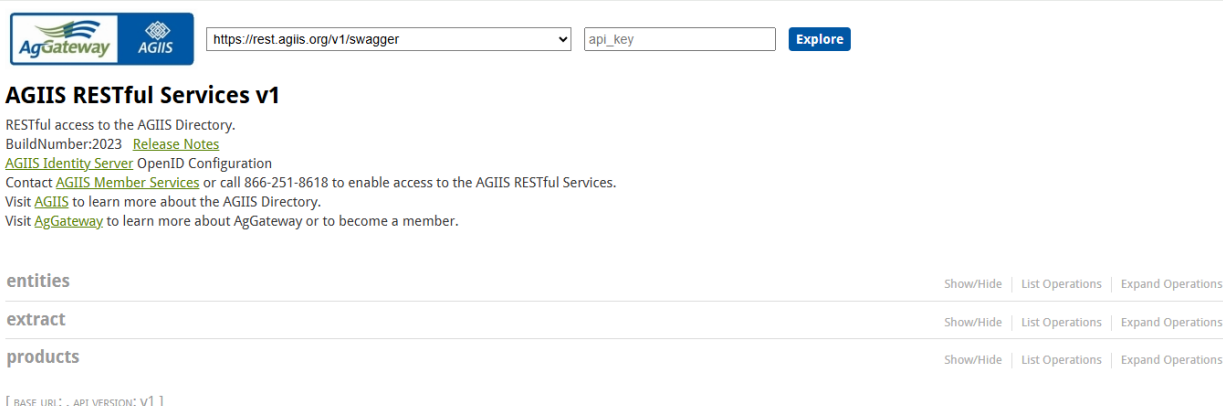
15. To receive an XML search response instead of a JSON formatted response, select the "Response Content Type" dropdown list, "application/xml", then click the "Try it out!" button.



Use the following steps to use the AGIIS RESTful API's to perform a search for entity subset updates using SWAGGER.

Steps

1. Open the url <https://rest.agiis.org/swagger/ui/index>. The SWAGGER documentation page will appear.



2. Click on, "Extract".

- This will open to display more information about this API, showing a description, the input parameters, responses, and a web-based form that can be used to test various inputs and display results.

[Implementation Notes](#)

Extract Updated Entities by Agency Type and Date Range

[AGIIS Identity Server](#) - Required Scope: agiisrest

[Response Class \(Status 200\)](#)

OK

Model | **Example Value**

```
{
  "application/json": {
    "id": 1,
    "correlationId": "63907843-9713-461a-a008-b971410e929b",
    "header": {
      "thisDocumentIdentifier": {
        "documentIdentifier": "20260808T0142100001"
      },
      "thisDocumentDateTime": {
        "dateTime": {
```

Response Content Type [application/json](#)

[Parameters](#)

Parameter	Value	Description	Parameter Type	Data Type
industryIdentifierAgency		Type of Industry Code above, ex: 'GLN' or 'EBID' (w/o quotes)	query	string
extractStartDate		Extract start date (e.g. '2019-11-01T15:16:00.000Z').	query	string
extractEndDate		Extract end date (e.g. '2019-11-01T15:16:00.000Z').	query	string
page		Page number.	query	string

[Response Messages](#)

HTTP Status Code	Reason	Response Model	Headers
204	Search was successfully processed by the server but no results were found.	Model Example Value	

- Before a search is initiated the REST API must be authenticated. Click on the red exclamation button in the top right corner.

extract [Show/Hide](#) [List Operations](#) [Expand Operations](#)

[GET](#) /api/v1/extract/updated-entities [Extract Entities by Agency Type](#)

[Implementation Notes](#)

Extract Updated Entities by Agency Type and Date Range

[AGIIS Identity Server](#) - Required Scope: agiisrest

[Response Class \(Status 200\)](#)

OK

Model | **Example Value**

- A pop-up window will appear. Select **“Basic auth”** in the dropdown list. Then enter your username and password. Click the **Authorize** button.

Available authorizations

OAuth2.0

Client Credentials Grant Flow

Token URL: <https://identity.agiis.org/connect/token>

flow: application

Setup client authentication.

Type: **Basic auth**

ClientId: **AGIISRESTCLIENTID**

Secret: *********

API requires the following scopes. Select which ones you want to grant to Swagger UI.

Scopes are used to grant an application different levels of access to data on behalf of the end user. Each API may declare one or more scopes. [Learn how to use](#)

Authorize

Cancel

- Wait momentarily for the page to refresh. If authorization is successful, a blue exclamation button will appear indication authentication succeeded.

extract Show/Hide List Operations Expand Operations

GET </api/v1/extract/updated-entities> Extract Entities by Agency Type

Implementation Notes

Extract Updated Entities by Agency Type and Date Range

[AGIIS Identity Server](#) - Required Scope: agiisrest

Response Class (Status 200)

OK

Model **Example Value**

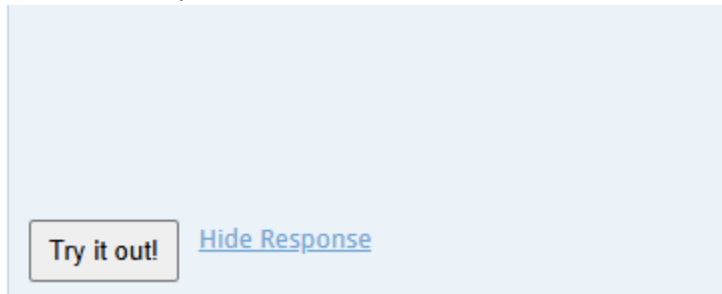
```
{
  "application/json": {
    "id": 1,
    "correlationId": "63907843-9713-461a-a008-b971410e929b",
    "header": {
      "thisDocumentIdentifier": {
        "documentIdentifier": "20260808T0142100001"
      },
      "thisDocumentDateTime": {
        "dateTime": {

```

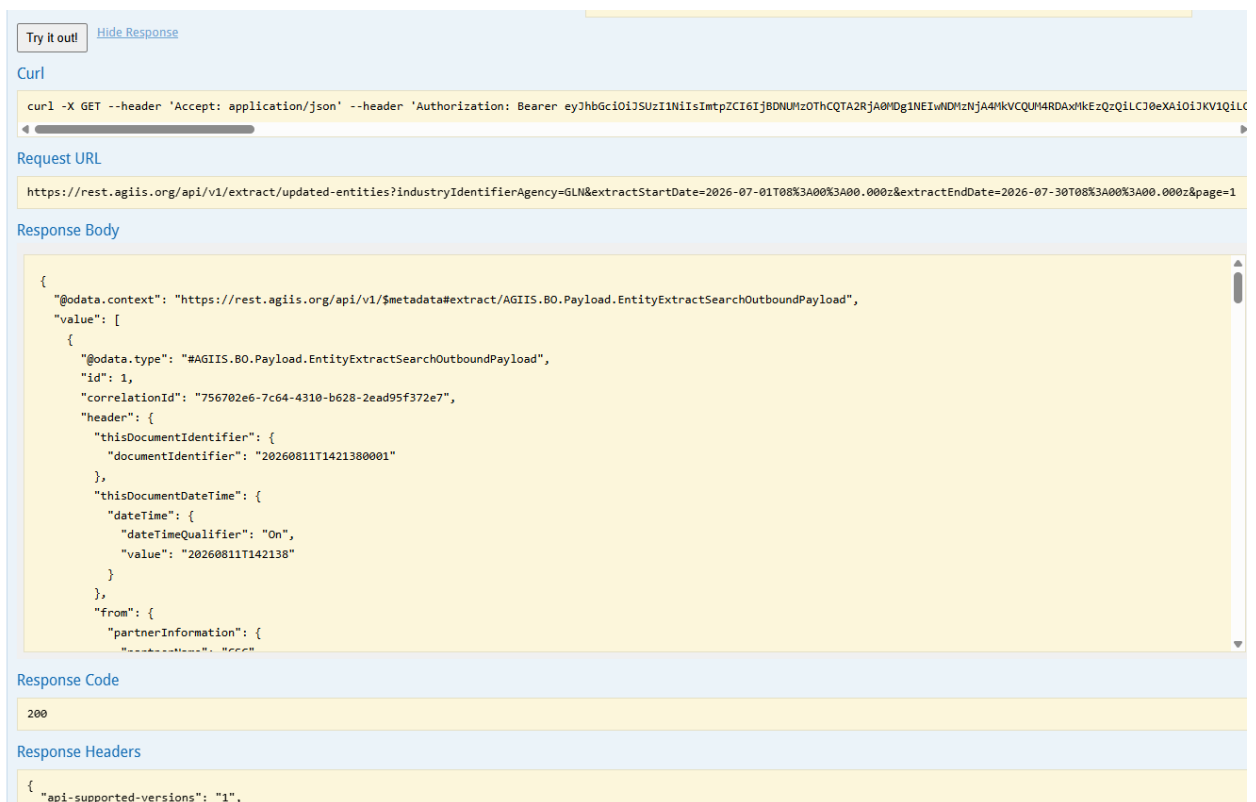
- Fill in the 4 input parameters.
 - IndustryIdentifierAgency – “GLN” for GLN subset updates, or “EBID” for EBID subset updates
 - extractStartDate – (e.g. '2019-11-01T15:16:00.000Z').
 - extractEndDate - (e.g. '2019-11-05T15:16:00.000Z').
 - page - Pagination is used to provide 5,000 results per page. Enter the page number to be displayed

Parameters				
Parameter	Value	Description	Parameter Type	Data Type
industryIdentifierAgency	GLN	Type of Industry Code above, ex: 'GLN' or 'EBID' (w/o quotes)	query	string
extractStartDate	2026-07-01T08:00:00.000z	Extract start date (e.g. '2019-11-01T15:16:00.000Z').	query	string
extractEndDate	2026-07-30T08:00:00.000z	Extract end date (e.g. '2019-11-01T15:16:00.000Z').	query	string
page	1	Page number.	query	string

8. Click on the ‘Try it out!’ button



9. Scroll down the page and find the “Response Body”. There will be a JSON search result with 2 main sections, “header” and “body”. The search results will be contained in the “body” section. Scroll down in the “Response Body” to the “body” section and view the search results. Notice in the “Response Code” section a 200 value. This indicates a search result found.



10. The Response section details the Status Codes (other than 200) that may be returned.

Response Messages		
HTTP Status Code	Reason	Response Model
204	Search was successfully processed by the server but no results were found.	
400	Search was attempted by the server but no results were found due to invalid input. Check Response Value field for additional information such as input requirements, validation failures encountered, etc.	
404	The requested resource does not exist on the server. Check endpoint, server connection, URL construction for correct syntax.	
500	An Internal error occurred processing the request.	

[Try it out!](#)
[Hide Response](#)

11. To receive an XML search response instead of a JSON formatted response, select the “Response Content Type” drop down menu “application/xml”, then click the “Try it out!” button.

Response Content Type	application/json application/json application/xml			
Parameters				
Parameter		Description	Parameter Type	Data Type
industryIdentifierAgency	GLN	Type of Industry Code above, ex: 'GLN' or 'EBID' (w/o quotes)	query	string
extractStartDate	2026-07-01T08:00:00.000z	Extract start date (e.g. '2019-11-01T15:16:00.000Z').	query	string
extractEndDate	2026-07-30T08:00:00.000z	Extract end date (e.g. '2019-11-01T15:16:00.000Z').	query	string
page	1	Page number.	query	string

Additional References

The AGIIS Identity Server configuration can be accessed at <https://identity.agiis.org/.well-known/openid-configuration>.

If you need assistance, please contact the AGIIS help desk at 866-251-8618 or email at member.services@aggateway.org.