

SAP Ariba

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Ariba Network Supplier Profile API

SAP Business Network

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Ariba Network Supplier Profile API

This guide is for a customer developer who wants to use SAP Ariba APIs to retrieve SAP Business Network supplier profile information based on supplier ANID.

A customer with an SAP Business Network Buyer Account can use the Ariba Network Supplier Profile API to retrieve profile information about SAP Business Network registered public suppliers by passing the supplier's ANID. Retrieving a supplier profile could facilitate enrichment of supplier records in non-SAP Ariba applications.

This guide applies to:

- SAP Ariba APIs
- SAP Ariba Developer Portal
- SAP Business Network

Endpoints Included in the Ariba Network Supplier Profile API

This API includes the following endpoint:

Endpoint	Description
`GET /profiles/{ANID}`	Retrieve the supplier profile associated with the specified ANID.

Prerequisites

- You must have a valid SAP Business Network Buyer Account to use the Ariba Network Supplier Profile API.
- To create an application and request access to use the SAP Ariba APIs relevant to this feature, you must have access to the SAP Ariba Developer Portal. For details refer to Steps to Start Using the SAP Ariba APIs in Help for the SAP Ariba Developer Portal.
- All queries made to this API must be authenticated using OAuth authentication. For details refer to SAP Ariba Developer Portal Authentication in Help for the SAP Ariba Developer Portal.
- You must configure the API client ID in SAP Business Network for buyers. For more details see, Configuring the API Client ID in SAP Business Network for Buyers [page 4].
- For complete details about how to begin using this API, see "Steps to start using the APIs" in the help for the SAP Ariba developer portal.

Related Guides

Help for the SAP Ariba Developer Portal

Workflow for the Ariba Network Supplier Profile API [page 4]

Workflow for the Ariba Network Supplier Profile API

General business flow for the Ariba Network Supplier Profile API

1. Business circumstances require information from a supplier profile.
2. A client application queries the Ariba Network Supplier Profile API, retrieving available information.
3. The desired information is extracted from the response, either programmatically within the client application or by some other method. This step is not fulfilled via the Ariba Network Supplier Profile API.

Configuring the API Client ID in SAP Business Network for Buyers [page 4]

Retrieving a Supplier Profile Using the Ariba Network Supplier Profile API [page 5]

Specification of What Language You Want to Get Localized Fields [page 6]

Getting Attachment Files Associated with a Supplier Profile Using the Ariba Network Supplier Profile API [page 8]

Error Messages Returned by the Ariba Network Supplier Profile API [page 9]

Configuring the API Client ID in SAP Business Network for Buyers

Use this procedure to configure your API client ID.

Context

If you are using OAuth authentication, you must link the client ID that is generated for the API in the developer portal with the buyer account ANID in SAP Business Network, so that the API knows which buyer the client application is associated with.

To configure an API client ID in SAP Business Network for buyers, follow these steps:

Procedure

1. In the SAP Ariba Developer Portal, navigate to the **Manage** tab and choose **My Applications**.
2. From the list of client applications on the left side of the screen, choose the desired application.
3. Copy the value in the **Oauth Client ID** field.
4. In the SAP Business Network buyer account, click on the Account Settings icon and choose **Manage Profile** > **API Client ID Configuration**.

5. Select **Add** and paste the Oauth client ID value in to the **Client ID** field.
6. When you are finished, click **Save**.

Retrieving a Supplier Profile Using the Ariba Network Supplier Profile API

Use this procedure to create a client application that retrieves a supplier profile by calling the `GET /profiles/{ANID}` endpoint.

Context

> **Note**
>
> In the sample URLs in this topic, replace `{{runtime_url}}` with the desired runtime URL from the **Environment Details** table on the SAP Ariba Developer Portal discovery page for this API.

Procedure

1. To request supplier profile information, the client application calls the `GET /profiles/{anid}` endpoint, as follows:

   ```
   GET {{runtime_url}}/profiles/{supplier_ANID}?type=org
   ```

supplier_ANID	The target supplier's ANID
type	Required. Indicates the type of supplier profile requested. Value must be `org`.

   If the query is successful, the response includes information from the specified supplier profile. Some fields are included in all supplier profiles, and some fields differ based on your SAP Business Network relationship with the supplier. The swagger documentation for this API, available on the SAP Ariba Developer Portal discovery page, lists all possible response fields.

   If the query is unsuccessful, the response includes an error message. See Error Messages Returned by the Ariba Network Supplier Profile API [page 9] for a list of error messages specific to this API.
2. Parse or format the response data as needed.

   > **Note**
   >
   > This step is not performed using the API. It can be executed programmatically or by hand, as you prefer.

Related Information

Specification of What Language You Want to Get Localized Fields [page 6]

Specification of What Language You Want to Get Localized Fields

When submitting a GET request to the SAP Business Network Supplier Profile API you can specify in what language you want to get localized fields. You can request localized fields for any language that is supported on SAP Business Network.

To request localized fields as part of a GET request, you must use the **Accept-Language** header key as part of your API call and provide the language or language/country identifier for the localized fields you want to return in the Value field.

You can provide just the language or the language/country identifier in the Value field for Accept-Language. For example, you would enter "de" to return field names that are localized to German. Or, if you wanted to look for fields in Austrian German, you could enter "de-AT". The system will look for fields localized to "de-AT". If there are none, it will return fields localized for the default German ("de"). If there are no localized fields for the requested language, or if the Accept-Language header key is not selected, the API returns fields in English (en-US) only.

> ⓘ Note
>
> For Chinese, if "zh" or "zh-CN" is entered, localized fields are returned in Simplified Chinese (zh-CN). To get localized fields in Traditional Chinese, you must enter "zh-TW".
>
> For Portuegese, if "pt" or "pt-PT" ie entered, fields are returned in English. To get fields in Brazilian Portuguese, you must enter "pt-BR".

The API returns the localized value for each field along with the language identifier within the "name" variable. The example below shows a localized field returned in German, where "de" was entered as the value for the Accept-Language header key in the GET call to the API.

```
"commodities": {
    "domain": "UNSPSCvInfo",
    "items": [
        {
            "code": 432320,
            "name": {
                "de": "Computerspiel-oder Unterhaltungssoftware"
            }
        }
```

The "municipality", "city" and "state" attributes do not support localized/code based value lists for all countries. For example:

- "city" and "municipality" list-based fields with code and localization (if available) are only used for "fromAddresses" (which is the Additional Company Addresses field in the user interface) located in Brazil
- "state" codes are not supported for countries/regions such as Aruba or Netherlands Antilles. To find out which countries/regions support localized/code based value lists on SAP Business Network, see State and Country Codes in the *cXML solutions guide*.

Address example:

```
"address": {
    "street1": "3410 Hillview Ave",
    "street2": null,
    "street3": null,
    "street4": null,
    "postalCode": "94304-1395",
    "municipality": {
        "name": null,
        "municipalityCode": null
    },
    "city": {
        "name": {
            "": "Palo Alto"
        },
        "cityCode": null
    },
    "state": {
        "name": {
            "en": "California"
        },
        "isoStateCode": "US-CA"
    },
    "country": {
        "name": {
            "en": "United States"
        },
        "isoCountryCode": "US"
},
```

Example showing "city" and "state" locale codes not supported for Aruba:

```
"address": {
    "street1": "Address 1",
    "street2": null,
    "street3": null,
    "street4": null,
    "postalCode": "99999-999",
    "municipality": {
        "name": null,
        "municipalityCode": null
    },
    "city": {
        "name": {
            "": "Babijn"
        },
        "cityCode": null
    },
    "state": {
        "name": {
            "": "Babijn"
        },
        "isoStateCode": null
    },
    "country": {
        "name": {
            "en": "Aruba"
        },
        "isoCountryCode": "AW"
    }
}
```

Getting Attachment Files Associated with a Supplier Profile Using the Ariba Network Supplier Profile API

Use this procedure to get attachment files associated with a supplier profile using the Ariba Network Supplier Profile API.

Context

> **Note**
>
> In the sample URLs in this topic, replace `{{runtime_url}}` with the desired runtime URL from the **Environment Details** table on the SAP Ariba Developer Portal discovery page for this API.

A buyer can get profile and attachment files information for any SAP Business Network registered public suppliers.

Procedure

1. Call the `GET /profiles/{anid}` endpoint to request supplier profile information. For information about how to do this, see Retrieving a Supplier Profile Using the Ariba Network Supplier Profile API [page 5].

   If the query is successful, the response includes information from the specified supplier profile, which can include certificate or other attachment URLs in the following format:

   ```
   "certDataFile": {
       "description": "Sample Cert File ABC",
       "certFileUrl": "AN0200208****/certificates?certType=TS_16949_Certified"
   }
   ```

   ```
   "attachments": [
       {
           "name": "sampleMarketingAttachment.png",
           "desc": "Marketing Brochure",
           "url": "AN0200208****/attachments/a5602304-a40e-49d8-8e19-fafb9694a0e7"
       }
   ```

   The swagger documentation for this API, available on the SAP Ariba Developer Portal discovery page, lists all possible response fields.

2. Use the received relative URL path for the file that you want to get with the `GET /profiles/` request.

   ```
   GET {{runtime_url}}/profiles/{...}
   ```

   For example, for a certificate file attachment:

   ```
   GET {{runtime_url}}/profiles/AN0200208****/certificates?
   certType=TS_16949_Certified
   ```

Error Messages Returned by the Ariba Network Supplier Profile API

Use this information to troubleshoot your SAP Business Network supplier profile API queries.

Error Code	Description	Next Steps
`401`	`Authentication failed`	Exception while trying to validate token with OAuth server: token not found.
`403`	`Access denied`	Request a new OAuth token and resubmit the API query.
`404`	`Cannot find supplier profile with anid: {0}`	Confirm the supplier ANID and resubmit your query.
`500`	`Internal Server Error`	This indicates a system error such as memory or network issues. Contact your system administrator.

Version History for Ariba Network Supplier Profile API

The Ariba Network Supplier Profile API may have multiple versions, only one of which is active at this time. Previous versions are deprecated and might be decommissioned at a later date.

API Version	Status	As of Release
2	Active	2111 (Q4 2021)
1	Deprecated	N/A

Related Information

API versioning and deprecation on the developer portal

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6,606,603, 6,714,939, 6,871,191, 6,952,682, 7,010,511, 7,047,318,

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