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2018-12

# Supplier Data API with Pagination

SAP Ariba Supplier Lifecycle and Performance

SAP Ariba Supplier Information and Performance Management (new architecture)

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# Supplier Data API with Pagination

The Supplier Data API with Pagination allows you to extract data about your suppliers, including their registration, qualification, and preferred status and details about their questionnaires and certificates, using pagination to limit the amount of data you extract with each post.

It is only available for suppliers maintained in the following solutions:

- SAP Ariba Supplier Lifecycle and Performance
- SAP Ariba Supplier Information and Performance Management (new architecture)

Qualification and preferred supplier management is only available in SAP Ariba Supplier Lifecycle and Performance.

The Supplier Data API with Pagination includes:

- Pagination of returned results for all API endpoints, with specific limits on the number of results per page returned.
- An optional parameter that allows you to post incremental requests for data last updated after a specific time.
- Multiple endpoints for fetching questionnaire data in different ways: for each supplier, you can get data for all questionnaires, all questionnaires for a specific project (workspace), or a specific questionnaire.
- Multiple endpoints for fetching data about specific question answers within questionnaires: for each supplier, you can get answer data for all questions, questions from a specific project (workspace), or questions from a specific questionnaire.
- An endpoint for fetching header-level data for all of a supplier's certificates.
- An endpoint for setting questionnaire data in registration, qualification, and modular supplier management questionnaires.

You can also create an application that uses the vendor data, certificate, and question and answer endpoints from this API, in combination with the External Approval API for Sourcing and Supplier Management endpoints for retrieving document details and attachments, to not only retrieve certificate information but download certificate attachments collected in supplier management questionnaires.

## Prerequisites

Before you can use the Supplier Data API with Pagination, you must:

- Complete the onboarding process on the SAP Ariba developer portal.
- Ensure that your application conforms to expected OAuth authentication. Only applications approved by the SAP Ariba APIs administration can execute OAuth authentication.

Retrieving supplier certificate attachments requires use of endpoints from the External Approval API for Sourcing and Supplier Management. You must complete prerequisites for use of that API separately.

## Security and authentication

Prior to developing an application using the Supplier Data API with Pagination, you must register on the developer portal and obtain an **application key**, an **OAuth client ID**, and an **OAuth client secret**.

- You must have Customer Support enable API access to your site.
- Each API invocation retrieves data for a single site.
- OAuth tokens are short-lived and expire 24 minutes (1440 seconds) after they are issued. Tokens must be refreshed.

### In this section:

[Workflow for the Supplier Data API with Pagination \[page 4\]](#)

[Using the previousApiCallTime parameter to post incremental requests \[page 5\]](#)

[Supplier Data API with Pagination header parameters \[page 5\]](#)

[Using the Supplier Data API with Pagination vendors endpoint to retrieve supplier data \[page 6\]](#)

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[How retrieve certificate attachments from supplier management questionnaires using the Supplier Data API with Pagination and the External Approval API for Sourcing and Supplier Management \[page 15\]](#)

[Using the Supplier Data API with Pagination answers endpoint to update supplier management questionnaire answers \[page 16\]](#)

[How to configure export fields for the Supplier Data API \[page 19\]](#)

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## Workflow for the Supplier Data API with Pagination

1. The client application sends a request for supplier, document (questionnaire), question and answer, or certificate data with an empty pagination token in the header. Optionally, the `POST` URL can include parameter with a timestamp to specify that the request is only for data updated after that timestamp.
2. SAP Ariba Supplier Management solutions returns a response that includes matching data up to the pagination limit for the endpoint and a pagination token for the next page.
3. The client application sends another request, including the pagination token in its header and optionally a timestamp parameter in the `POST` URL.
4. SAP Ariba Supplier Management solutions returns a response that includes the next page of matching data up to the pagination limit and a pagination token for the next page.

5. This process repeats until the client application has retrieved the full set of desired data from SAP Ariba Supplier Management solutions.

## Using the `previousApiCallTime` parameter to post incremental requests

You can pass the `previousApiCallTime` in any Supplier Data API with Pagination post URL to specify a timestamp for extraction of incremental data.

The `previousApiCallTime` parameter is optional. If you do not include it in the post URL, the API returns all available data that meet the request criteria. If you include the `previousApiCallTime` parameter, the API returns all of the changed data from the specified timestamp to the current time. The format of the timestamp you specify is the number of milliseconds that have elapsed since January 1, 1970 at 00:00:00 GMT (1970-01-01 00:00:00 GMT).

For example, the following request returns all questionnaires for the specified supplier that have changed since August 9, 2018 at 2:52:47 PM PST:

```
{{runtime_URL}}/smv1/vendors/{SM VendorID}/workspaces/documents/?  
previousApiCallTime=1533851567836
```

Incremental responses to requests posted with this parameter are paginated: if the incremental results returned exceed pagination limits for the posted endpoint, those results are paginated.

### 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.

## Supplier Data API with Pagination header parameters

Supplier Data API with Pagination endpoints send a request or post with authentication in the header and content in the body.

Requests sent using the `GET` method include pagination tokens in the header; some of the endpoints also pass parameters in the URL.

The following table describes the parameters in the JSON header for every Supplier Data API with Pagination request or post:

Parameter	Description
Content-Type	application/json

Parameter	Description
apiKey	Your application key. This key is automatically generated when you create a new application on the SAP Ariba developer portal, and is visible when you select your application in the <b>Manage Applications</b> area.
Authorization:Bearer	Your authorization token
x-pagination-token	The continuation token for pagination. For requests posted using the GET method, you do not pass this token in the initial request, but must pass it in every subsequent request. POST operations do not use pagination.

## Using the Supplier Data API with Pagination vendors endpoint to retrieve supplier data

The Supplier Data API with Pagination vendors endpoint uses the GET method to send a JSON request to your site. The request specifies authentication and pagination in the header and filters and output format in the body.

Method	Endpoint	Pagination limit per page	Description
GET	<code>{{runtime_URL}}/smv1/vendors</code>	1000	Returns the data specified in request body filters for all suppliers, with or without IDs for their associated questionnaires.

### Note

The runtime URL varies based on your data center. Replace `{{runtime_URL}}` with the desired runtime URL from the **Environment details** table on the SAP Ariba developer portal discovery page for this API.

See [Supplier Data API with Pagination header parameters \[page 5\]](#) for information on header parameters.

## Request filter and output values

The following table describes the valid values for name:value pairs and arrays in request body.

Name:value pair or array	Valid values
<code>businessUnitList</code>	One or more of the business unit or department IDs loaded in your site as master data and used in supplier management projects, separated by commas.
<code>categoryList</code>	One or more of the category IDs loaded in your site as master data and used in supplier management projects, separated by commas.
<code>outputFormat</code>	Either CSV or JSON.
<code>withQuestionnaire</code>	TRUE to include the titles, IDs, and types of any questionnaires associated with the suppliers returned in results; otherwise, FALSE.
	<div> <b>Note</b>            You can only specify TRUE if you specify <code>outputFormat</code> of JSON. Questionnaire information is not returned in CSV output.         </div>
<code>preferredLevelList</code>	One or more numbers between 1 and 5, separated by commas. 1 is the highest preferred level and 5 is the lowest.
<code>qualificationStatusList</code>	One or more of the following values, separated by commas:  Unknown, QualificationRejected, Disqualified, InDisqualification, PendingDisqualificationApproval, QualificationExpired, NotQualified, QualificationStarted, InQualification, PendingQualificationApproval, PendingQualificationResubmit, QualificationRestricted, QualifiedForSome, QualifiedWithException, Qualified, None
<code>regionList</code>	One or more of the region codes loaded in your site as master data and used in supplier management projects, separated by commas.
<code>registrationStatusList</code>	One or more of the following values, separated by commas:  Unknown, RegistrationDenied, PhasedOut, InCreation, InExternalApprovalForCreation, NotInvited, Invited, InRegistration, PendingApproval, PendingResubmit, Registered

### i Note

The supported values for registration and qualification statuses are the system unique names for those statuses. The supported values for preferred levels are the numbers 1-5. Use of your company's custom labels for these statuses and levels in API requests is not supported.

## Output fields

Request output includes the following fields, in the order listed, in the specified JSON or CSV format:

- Supplier Name
- ERP Vendor ID
- SM Vendor ID
- An Id
- Registration Status
- Integrated to ERP
- Address - Line 1
- Address - Line 2
- Address - Line 3
- Address - City
- Address - Country Code
- Address - Region Code
- Address - PO Box
- Address - Postal Code
- questionnaires
  - questionnaireId
  - questionnaireTitle
  - workspaceType
- Qualification Status
- Preferred Status
- Category
- Region
- Business Unit

This set of fields is not currently customizable. Output values for registration and qualification statuses are the unique names for those statuses. The supported values for preferred levels are the numbers 1-5. Output that uses your company's customized labels for these statuses and levels is not currently supported. The output uses the same values as the request filters.

The fields related to questionnaires are only included in JSON output if your request specifies "withQuestionnaire" : "TRUE". They are not included in CSV output.



## Related Information

[Request filter and output values \[page 6\]](#)

# Using the Supplier Data API with Pagination endpoints to retrieve supplier management questionnaire data documents

The Supplier Data API with Pagination documents endpoints use the GET method to send a JSON request to your site. The request specifies authentication and pagination in the header.

Method	Endpoint	Pagination limit per page	Description
GET	<code>{{runtime_URL}}/smv1/vendors/{SM vendor ID}/workspaces/documents</code>	5	Gets all questionnaire data for the specified supplier.
GET	<code>{{runtime_URL}}/smv1/vendors/{SM vendor ID}/workspaces/{workspace id}/documents</code>	5	Gets all questionnaire data in the specified project (workspace) for the specified supplier.
GET	<code>{{runtime_URL}}/smv1/vendors/{SM VendorID}/workspaces/documents/{Document id}</code>	N/A	Gets data for the specified questionnaire for the specified supplier.

For example, the following URL retrieves all of the questionnaires in a specific workspace for a specific supplier:

```
GET {{runtime_URL}}/smv1/vendors/SM100015/workspaces/WS9050423/documents
```

### Note

The runtime URL varies based on your data center. Replace `{{runtime_URL}}` with the desired runtime URL from the **Environment details** table on the SAP Ariba developer portal discovery page for this API.

See [Supplier Data API with Pagination header parameters \[page 5\]](#) for information on header parameters.

The following example shows one sample result out of five for a GET to the `documents` endpoint that specifies only the SM vendor ID. Each result includes a HATEOAS (Hypermedia as the Engine of Application State) link to the questionnaire.

```
{
  "_embedded": {
    "questionnaireResourceList": [
      {
        "questionnaireApi": {
          "active": true,
          "erpVendorId": null,
          "sourceSystem": null,
          "smVendorId": "S1830600",
          "statusId": "WS7940391",
          "nextStatusId": null,
          "processId": null,
          "filter": null,
          "vendorName": null,
          "requester": null,
          "approver": null,
          "startDate": null,
          "endDate": null,
          "reprocessDate": null,
          "statusUpdatedDate": null,
          "title": "MSC Certificate for Drugs and pharmacy in USA for XYZ
Company",
          "reason": null,
          "newStatusId": null,
          "filterPaths": null,
          "workspaceExtInfo": null,
          "autoApproval": false,
          "rootId": "68:QUE:58036",
          "timeUpdated": 1516316869445,
          "docId": "Doc7940394",
          "docTitle": null,
          "type": null,
          "status": "NotResponded",
          "updateStatus": null,
          "hasBeenCompleted": false,
          "shouldReuse": false,
          "shouldShowOnProfile": true,
          "shouldKeepOpen": true,
          "isExpiry": false,
          "hasCertificates": null,
          "isInternal": false,
          "isRequired": false,
          "questionnaireUpdatedDate": null
        },
        "_links": {
          "Questionnaire": {
            "href": "https://svcmachss.ariba.com:80/SM/rest/smv1/
vendors/S1830600/workspaces/documents/Doc7940394"
          }
        }
      }
    ]
  },
  "_links": {
    "self": {
      "href": "https://svcmachss.ariba.com:80/SM/rest/smv1/vendors/S1830600/
workspaces/documents"
    }
  },
  ...
  ...
  ...
  ...
}
```

```

    "page": {
      "size": 5,
      "totalElements": 5,
      "totalPages": 1,
      "number": 0
    }
  }
}

```

## Related Information

[Supplier Data API with Pagination header parameters \[page 5\]](#)

[Using the Supplier Data API with Pagination vendors endpoint to retrieve supplier data \[page 6\]](#)

[Using the Supplier Data API with Pagination qna endpoints to retrieve supplier management questionnaire answers \[page 11\]](#)

[Using the Supplier Data API with Pagination certificates endpoint to retrieve supplier management certificate question data \[page 13\]](#)

[How retrieve certificate attachments from supplier management questionnaires using the Supplier Data API with Pagination and the External Approval API for Sourcing and Supplier Management \[page 15\]](#)

# Using the Supplier Data API with Pagination <sup>qna</sup> endpoints to retrieve supplier management questionnaire answers

The Supplier Data API with Pagination qna endpoints use the GET method to send a JSON request to your site. The request specifies authentication and pagination in the header.

Method	Endpoint	Pagination limit per page	Description
GET	<code>{{runtime_URL}}/smv1/vendors/{SM vendor ID}/workspaces/documents/qna</code>	100	Gets all question and answer data in all questionnaires for the specified supplier.
GET	<code>{{runtime_URL}}/smv1/vendors/{SM vendor ID}/workspaces/{workspace id}/documents/qna</code>	100	Gets all question and answer data in all questionnaires in the specified project (workspace) for the specified supplier.

Method	Endpoint	Pagination limit per page	Description
GET	<code>{{runtime_URL}}/smvl/vendors/{SMVendorID}/workspaces/documents/{Documentid}/qna</code>	100	Gets question and answer data in the specified questionnaire for the specified supplier.
GET	<code>{{runtime_URL}}/smvl/vendors/{SMVendorID}/workspaces{workspaceid}/documents/{Documentid}/qna</code>	100	Gets question and answer data in the specified questionnaire in the specified project (workspace) for the specified supplier.

For example, the following URL retrieves all of the questions and answers in a specific workspace for a specific supplier:

```
GET {{runtime_URL}}/smvl/vendors/SM100015/workspaces/WS9050423/documents/qna
```

These endpoints will retrieve question and answer data for all question answer types except for **Attachment** or **Certificate**, which are not included in results. They also do not retrieve data for text questions with sensitive data masking. You can use the separate [certificates endpoint \[page 13\]](#) to retrieve **Certificate** question and answer data.

### Note

The runtime URL varies based on your data center. Replace `{{runtime_URL}}` with the desired runtime URL from the **Environment details** table on the SAP Ariba developer portal discovery page for this API.

See [Supplier Data API with Pagination header parameters \[page 5\]](#) for information on header parameters.

The following example shows a sample result for a qna endpoint. The `externalSystemCorrelationId` is the KI ID, a unique identifier for a piece of content in a project survey document, which also shows in Excel exports of questionnaires from the user interface. `externalSystemCorrelationIds` are only unique within an individual questionnaire; it is possible for a supplier to have two questionnaires with identical `externalSystemCorrelationIds`. If the question is a repeatable section, the `externalSystemCorrelationId` is for the repeatable section itself (not the parent) and the `alternative` is the instance of the section, where 0 is the first instance and each additional instance is numbered in increments of 1.

```
{
  "_embedded": {
    "questionAnswerResourceList": [
      {
        "questionAnswerApi": {
          "active": true,
          "itemId": "9978602",
          "alternative": null,
          "externalSystemCorrelationId": "KI_1579537",
          "processId": null,
          "documentId": "Doc7999335",
          "searchTerm": null,

```

```

        "answer": "test",
        "enumerationCodeDelimiters": null,
        "dataType": "String",
        "multiValued": false,
        "smVendorId": "S1830600",
        "workspaceType": null,
        "workspaceId": "WS7999332",
        "type": null,
        "totalQuestions": "1",
        "questionnaireLabel": "Subcontractor specific content",
        "questionLabel": "Please provide all the subcontractor details
in the attached file",
        "answerType": "ShortText",
        "rootId": "68:QUESTANS:82020",
        "timeUpdated": 1516903604910
    }
}
    ]
},
"page": {
    "size": 5,
    "totalElements": 1,
    "totalPages": 1,
    "number": 0
}
}

```

## Related Information

[Using the Supplier Data API with Pagination vendors endpoint to retrieve supplier data \[page 6\]](#)

[Using the Supplier Data API with Pagination documents endpoints to retrieve supplier management questionnaire data \[page 9\]](#)

[Using the Supplier Data API with Pagination certificates endpoint to retrieve supplier management certificate question data \[page 13\]](#)

[How retrieve certificate attachments from supplier management questionnaires using the Supplier Data API with Pagination and the External Approval API for Sourcing and Supplier Management \[page 15\]](#)

[Supplier Data API with Pagination header parameters \[page 5\]](#)

# Using the Supplier Data API with Pagination certificates endpoint to retrieve supplier management certificate question data

The Supplier Data API with Pagination certificates endpoints use the GET method to send a JSON request to your site. The request specifies authentication and pagination in the header.

The request returns header-level data for the specified certificate question, including the workspace ID for the project that includes the question. You can then use this ID to [retrieve the certificate attachment \[page 15\]](#) as well.

Method	Endpoint	Pagination limit per page	Description
GET	<code>{{runtime_URL}}/smv1/vendors/{SM vendor ID}/certificates</code>	100	Gets certificate question data for the specified vendor.

For example, the following URL retrieves all of the certificate questions for a specific supplier:

```
GET {{runtime_URL}}/smv1/vendors/SM100015/certificates
```

### Note

The runtime URL varies based on your data center. Replace `{{runtime_URL}}` with the desired runtime URL from the **Environment details** table on the SAP Ariba developer portal discovery page for this API.

The following example shows one sample result for a GET to the `certificates` endpoint. Each result includes a HATEOAS (Hypermedia as the Engine of Application State) link to the certificate question.

```
{
  "_embedded": {
    "certificateResourceList": [
      {
        "vendorCertificateApi": {
          "active": true,
          "timeUpdated": 1525074049632,
          "id": null,
          "externalSystemCorrelationId": null,
          "certificationType": null,
          "certificationTypeOther": null,
          "type": "ISO9001",
          "effectiveDate": 1519891200000,
          "expirationReminderDate": null,
          "expirationDate": 1525071600000,
          "issueDate": null,
          "certificationNumber": "0897987876",
          "authorityInfo": "ISO 9001",
          "certificationName": null,
          "certificationLocation": "Palo Alto",
          "yearValid": "2017",
          "orgId": null,
          "objId": "AANcAe2GVM2LP",
          "contentId": null,
          "fileName": null,
          "fileSize": 0,
          "fileDescription": null,
          "fileAbsolutePath": null,
          "attachmentName": null,
          "description": null,
          "attachment": null,
          "certified": null,
          "workspaceId": "WS8350590",
          "smVendorId": "S1830600",
          "status": "Expired",
          "qualificationStatus": "InQualification",
          "expirationNotificationWindow": 45,
          "expirationFlag": true,
          "rootId": "68:VCer:178903"
        },
        "_links": {
          "QuestionAnswers": {
```

```

        "href": "https://svcmachss.ariba.com:80/SM/rest/smv1/
vendors/S1830600/workspaces/WS8350590/documents/qna"
    }
    },
    "_links": {
        "self": {
            "href": "https://svcmachss.ariba.com:80/SM/rest/smv1/vendors/S1830600/
certificates"
        }
    },
    "page": {
        "size": 5,
        "totalElements": 1,
        "totalPages": 1,
        "number": 0
    }
}

```

## How retrieve certificate attachments from supplier management questionnaires using the Supplier Data API with Pagination and the External Approval API for Sourcing and Supplier Management

### iNote

The runtime URL varies based on your data center. Replace `{{runtime_URL}}` with the desired runtime URL from the **Environment details** table on the SAP Ariba developer portal discovery page for this API.

1. Use the `vendors` endpoint to retrieve the SM vendor IDs for suppliers. For example:

```
GET {{runtime_URL}}/smv1/vendors/
```

might retrieve a list of SM Vendor ID values that includes SM100015.

2. Use the Supplier Data API with Pagination `/vendors/{vendor id}/certificates` endpoint to retrieve header-level certificate data for all of the specified supplier's certificates, including their associated workspace (project) IDs. For example:

```
GET {{runtime_URL}}/smv1/vendors/SM100015/certificates
```

might retrieve `workspaceId WS9050423`.

3. Use the Supplier Data API with Pagination `/vendors/{vendor id}/workspaces/{workspace id}/qna` endpoint to retrieve the supplier management questionnaire (survey document) associated with the certificate-related workspace for the supplier. For example:

```
GET {{runtime_URL}}/smv1/vendors/SM100015/workspaces/WS9050423/documents/qna
```

might retrieve `survey id Doc7940301`.

4. Use the External Approval API for Sourcing and Supplier Management `/ {entity_type} / {entity_id}` endpoint to retrieve the details for the supplier management questionnaire (document) associated with the certificate, including any attachment IDs. For example:

```
GET {{runtime_URL}}/entity.svc/RFXDcoument/Doc7940301?realm=mysitename
```

might retrieve attachment id Doc7940301,AANcAe2G2!4WA,AANcAH42!4Wg.

5. Use the External Approval API for Sourcing and Supplier Management `{entity_type} / {entity_id} / attachments / {attachment_id}` endpoint to download the certificate attachment. For example:

```
GET {{runtime_URL}}/entity.svc/RFXDcoument/Doc7940301/attachments/  
Doc7940301,AANcAe2G2!4WA,AANcAH42!4Wg&realm=mysitename
```

## Related Information

[Using the Supplier Data API with Pagination documents endpoints to retrieve supplier management questionnaire data \[page 9\]](#)

[Using the Supplier Data API with Pagination qna endpoints to retrieve supplier management questionnaire answers \[page 11\]](#)

[Using the Supplier Data API with Pagination certificates endpoint to retrieve supplier management certificate question data \[page 13\]](#)

# Using the Supplier Data API with Pagination answers endpoint to update supplier management questionnaire answers

The Supplier Data API with Pagination `answers` endpoint uses the `POST` method to send a JSON post to your site to update specific answers in supplier management questionnaires. The post specifies authentication and pagination in the header.

Method	Endpoint	Pagination	Description
POST	<code>{{runtime_URL}}/ smv1/vendors/{SM VendorID}/ workspaces/ {workspace id}/ documents/{Document id}/answers</code>	N/A	Posts answers to questions in the specified questionnaire in the specified project for the specified supplier.

See [Supplier Data API with Pagination header parameters \[page 5\]](#) for information on header parameters.



## i 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.

You can use it to update any answers to any questionnaire in a registration, qualification, or modular supplier management questionnaire project as follows:

- For external (supplier-facing) questionnaires, the post can update an answer in any questionnaire that the supplier is not currently acting on. If the supplier is currently acting on the questionnaire, updates to it returns a `statusCode` of 403 (`Forbidden`). A supplier is considered to be acting on a questionnaire under the following conditions:

Condition	Registration status	Qualification status	Modular supplier management questionnaire status
The supplier has been invited to fill out the questionnaire and sent an email notification with a link to it.	<b>Invited</b>	<b>Qualification Started</b>	<b>Qualification Started</b>
The supplier has opened the questionnaire but has not yet submitted it.	<b>In Registration</b>	<b>In Qualification</b>	<b>Pending Submission</b>
The supplier has reopened the questionnaire after an approver has requested additional information.	<b>Pending Resubmit</b>	<b>Pending Qualification Resubmit</b>	<b>Pending Resubmission</b>

- For internal questionnaires, the post can update an answer in any questionnaire regardless of whether or not an internal user is currently editing it.

The updates posted using the `answers` endpoint show in your site as updates by the `aribasystem` system user. They do not trigger new approvals. For any individual external registration or modular supplier management questionnaire, the answers included in a single `POST` operation are added to the questionnaire as a single updated version of the questionnaire. Users comparing versions of the questionnaire in your site see the updates made using this API as separate, numbered versions in the user interface alongside updates made by the supplier.

## i Note

The answers you post must be in the expected format. For example, the answer to a date question must use the date-time format that the questionnaire expects (such as `MM-DD-YYYY` or `DD-MM-YYYY`), the answer to a multiple choice question must be one of the valid choices, the answer to a region question must be one of the valid region codes in your site, and so on.

# How to update a questionnaire using the Supplier Data API with Pagination

You can post updates to answers in supplier registration, qualification, and modular supplier management questionnaires, including attachments and repeatable sections, using the `answers` endpoint.

## 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.

The `externalSystemCorrelationId` is a unique identifier for a piece of content within an individual questionnaire survey document. It is possible for two different questions in two different questionnaires for the same supplier to have the same `externalSystemCorrelationId`. Therefore, you pass the survey `documentId` in the post URL to specify the questionnaire, then specify the `externalSystemCorrelationId` of the question in the `answers` block in the post body.

1. Use the `vendors` endpoint to request the `SM Vendor IDs` for your suppliers. For example, to return data for all suppliers::

```
GET {{runtime_URL}}/smv1/vendors/
```

2. Use the `qna` endpoint to request questionnaire details for a supplier, including the project `workspaceId`, questionnaire survey document `documentId`, and question `externalSystemCorrelationId` for each question. For example, to return all questions and answers in all questionnaires in all projects for a supplier::

```
GET {{runtime_URL}}/smv1/vendors/S11284494/workspaces/documents/qna
```

3. Use the `answers` endpoint to post an update to one or more questions, passing the questionnaire `documentId` in the post URL as follows:

```
POST {{runtime_URL}}/smv1/vendors/S1128494/workspaces/documents/Doc12345678/answers
```

The request body dictates what updates to make:

- To update the answer to a question, pass its `externalSystemCorrelationId` and new answer in the `answers` block. For example:

```
{ "answers": [
  {
    "externalSystemCorrelationId": "KI_1694841",
    "Answer": "New answer"
  },
]
```

- To add or update an attachment, pass its 64-bit encoded content in the `fileContents` field in the `answers` block:

```
{ "answers": [ {
  "externalSystemCorrelationId": "KI_1694841",
  "attachment":
    {
      "fileName": "Attachment.csv",
      "mimeType": "application.csv",
      "fileSize": 221725,
      "fileContents": "64 bit encoded value"
    }
  }
]
```

```
} ] }
```

- To add or update an instance of a repeatable section, pass the number of the section instance in the `alternative` field:

```
{ "answers": [
  {
    "externalSystemCorrelationId": "KI_1694841",
    "alternative": "4",
    "Answer": "New answer"
  },
] }
```

Use the `alternative` number of an existing section to update its answer. To add a new instance of the repeatable section, increment the highest `alternative` in the section by 1. For example, if an existing repeatable section has 3 instances, the `alternative` of the third instance is 2; therefore, to add a new instance, specify an `alternative` of 3 in the `answers` block.

## Related Information

[Supplier Data API with Pagination \[page 3\]](#)

[Workflow for the Supplier Data API with Pagination \[page 4\]](#)

[Supplier Data API with Pagination header parameters \[page 5\]](#)

[Using the Supplier Data API with Pagination vendors endpoint to retrieve supplier data \[page 6\]](#)

[Using the Supplier Data API with Pagination qna endpoints to retrieve supplier management questionnaire answers \[page 11\]](#)

# How to configure export fields for the Supplier Data API

This topic describes how to specify fields to be included in the Supplier Data API data export.

## Prerequisites

Before you can configure export fields, you must enable this feature, as follows:

In **SM Administration** > **Feature control**, enable **Configurable data fields**.

## Context

You can specify which fields to include in data extracted by applications built on the Supplier Data API.

The following **anchor fields** are always returned:

- **Supplier Name**
- **SM Vendor ID**
- **ERP Vendor ID**

#### i Note

If this feature is enabled and no fields are configured, only the anchor fields are returned.

You can configure the following fields to be included in the data export:

- **Registration Status**
- **Integrated to ERP**
- **Last Integration State**
- **Last Confirmation State**
- **Source System**
- **Master Vendor Id**
- **Form of Address code**
- **Duns Id**
- **Industry Code**
- **Record Created Date**
- **Blocked Status**
- **Last Review Date**
- **Last Update Date**
- **Last Status Change Date**
- **Primary Supplier Manager**
- **Relationship Established Type**
- **Supplier Manager**
- **Approved**
- **Transactional Supplier**
- **Transactional Supplier Request Status**
- **Main Vendor Type**
- **Address**
- **Primary Contact**
- **Qualification**

#### i Note

**Preferred** falls within the broader umbrella of **Qualification**: When you include **Qualification, Preferred** data is included as well.

#### i Note

Configuring export fields does not restrict the query filter fields available for use in your request. For example, even if you do not include the **Address** field in your export, you can still use this field to filter what records are included in the export.

To specify which fields are included in the Supplier Data API data export, follow these steps:

## Procedure

1. Log in as a user with the **SM Admin** or **SM Ops Administrator** role and navigate to **SM Administration**.
2. Click **Config Fields**.
3. In the **Type of Data** section, choose **Supplier**.
4. In the **API** section, select **Supplier Data API**.
5. In the dropdown that lists available fields, check the checkboxes of the fields you wish to include in the data export. To ensure that a field is not included in the data export, confirm that its checkbox is unchecked.
6. Click **Save**.

## Revision history

The following table provides a brief history of the updates to this guide. SAP Ariba updates the technical documentation for its On Demand solutions if:

- software changes delivered in service packs or hot fixes require a documentation update to correctly reflect the new or changed functionality.
- the existing content is incorrect or user feedback indicated that important content is missing.

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Month/Year of Update	Updated Topic	Short Description of Change
December 2018	<ul style="list-style-type: none"><li>• Supplier Data API with Pagination</li><li>• Supplier Data API with Pagination header parameters</li><li>• Using the Supplier Data API with Pagination answers endpoint to update supplier management questionnaire answers</li></ul>	Added information about the new <code>answers</code> endpoint.
	How to retrieve certificate attachments from supplier management questionnaires	Combined with the Using the Supplier Data API with Pagination certificates endpoint to retrieve supplier management questionnaire certificate question data
November 2018	How to configure export fields for the Supplier Data API	Added topic.

Month/Year of Update	Updated Topic	Short Description of Change
September 2018	<ul style="list-style-type: none"> <li>Supplier Data API with Pagination</li> <li>Workflow for the Supplier Data API with Pagination</li> <li>Using the <code>previousApiCallTime</code> parameter to post incremental requests</li> </ul>	Added information about using the <code>previousApiCallTime</code> to limit returned supplier data to only the data that was updated after a specific time.
August 2018	N/A	Initial version.

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