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Supplier Data API with Pagination

SAP Ariba Supplier Lifecycle and Performance

SAP Ariba Supplier Information and Performance Management (new architecture)

SAP Ariba Supplier Risk

Content

Supplier Data API with Pagination	4
About the Supplier Data API with Pagination	5
Supplier Data API with Pagination Header Parameters	6
Supplier Data API with Pagination Query and Filter Parameters	7
Supplier Data API with Pagination Endpoints and Their Usage	9
Use of the Supplier Data API with Pagination vendorDataRequests Endpoint	14
Use of the Supplier Data API with Pagination vendorContactsRequests Endpoint	26
Use of the Supplier Data API with Pagination workspaces Endpoint	31
Use of the Supplier Data API with Pagination questionnaires Endpoint	33
Use of the Supplier Data API with Pagination qna Endpoint	37
Use of the Supplier Data API with Pagination answers Endpoint	39
Use of the Supplier Data API with Pagination scores Endpoint	41
Use of the Supplier Data API with Pagination certificates Endpoint	42
Use of the Supplier Data API with Pagination vendors Endpoint	44
Use of the Supplier Data API with Pagination headerFields Endpoint	48
Use of the Supplier Data API with Pagination processes Endpoint	49
Use of the Supplier Data API with Pagination processTypes Endpoint	51
Use of the Supplier Data API with Pagination templates Endpoint	52
Use of the Supplier Data API with Pagination modularQuestionnairesRequests Endpoint	54
Use of the Supplier Data API with Pagination processCreateRequests Endpoint	56
Use of the Supplier Data API with Pagination processCancellationRequest Endpoint	59
Use of the Supplier Data API with Pagination versions Endpoint	61
Use of the Supplier Data API with Pagination jobs Endpoint	63
Workflows for the Supplier Data API with Pagination	64
Updating Expiration Dates or Due Dates of Modular Questionnaires Using the Supplier Data API with Pagination	65
Update of a Questionnaire Using the Supplier Data API with Pagination	66
Retrieval of Certificate Attachments from Supplier Management Questionnaires Using the Supplier Data API with Pagination and the External Approval API for Sourcing and Supplier Management	68
Development of a Client Application for External Approval of Modular Questionnaires in Process Projects	69
Making or Updating Decisions for Process Projects Using the Supplier Data API with Pagination and the External Approval API for Sourcing and Supplier Management	70
Retrieving Process Header Field Information and Process Decision History Using the Supplier Data API with Pagination	72

Retrieving Process Intake Form Details or Questionnaire Details in a Specific Version Using the Supplier Data API with Pagination.	73
Updating Process Intake Form Answers Using the Supplier Data API with Pagination.	74
Retrieving Intake Form Using the Supplier Data API with Pagination.	76
Retrieving the List of Active Modular Questionnaires for a Process Type Using the Supplier Data API with Pagination.	76
Creating a Process for a Supplier Using the Supplier Data API with Pagination.	77
Retrieving Attachments from Process Intake Forms or Modular Questionnaires Using the Supplier Data API with Pagination.	78
Error Messages Returned by the Supplier Data API with Pagination.	80
Version History for the Supplier Data API with Pagination.	82
API-Specific Disclaimers and Legal Information.	83

Supplier Data API with Pagination

This guide is for application developers seeking information about how to build client applications to retrieve and update information about their organization's suppliers.

Buyers use supplier management processes to add new suppliers, gather and maintain supplier profile information, and decide which suppliers are qualified or preferred in specific domains. They can also use modular questionnaires to maintain supplier information, including certificates.

This guide applies to:

- SAP Ariba Supplier Lifecycle and Performance
- SAP Ariba Supplier Information and Performance Management (new architecture)
- SAP Ariba Supplier Risk
- SAP Ariba APIs
- SAP Ariba developer portal

Related Guides

[External Approval API for Sourcing and Supplier Management](#)

[Supplier Management Setup and Administration Guide](#)

[Managing Suppliers and Supplier Lifecycles](#)

About the Supplier Data API with Pagination

The Supplier Data API with Pagination allows you to get 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 get with each post. It also allows you to set questionnaire answers and qualification or preferred status.

It's only available for suppliers maintained in the following solutions:

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

You can only retrieve and update data related to the functionality to which you're entitled as part of your solution package. For example, registration projects are only available in SAP Ariba Supplier Lifecycle and Performance and SAP Ariba Supplier Information and Performance Management (new architecture). Qualification, preferred supplier management, and process projects are 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 based on query parameters.
- Filter parameters that allow you to post incremental requests for data.
- Endpoints for getting supplier data, including IDs and registration, qualification, or preferred category status, and for setting qualification and preferred category status.
- 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.
- Multiple endpoints for managing process projects from an internal system.

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 questionnaire details and attachments, to not only retrieve certificate information but download certificate attachments collected in supplier management questionnaires.
- Enabling external approval and status decisions for process projects and their modular questionnaires.

Note

This guide only contains information about the active version of this API. To find the active version of this API, refer to the version history.

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 and approving modular questionnaires used in process projects requires use of endpoints from the External Approval API for Sourcing and Supplier Management. You must complete prerequisites for use of that API separately, and use of that API requires a separate application key.

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're issued. Tokens must be refreshed.

Fields in Supplier Data API with Pagination Results

Endpoint results for the Supplier Data API can include some fields that are general across supplier management functionality and projects, and that aren't listed in the API swagger documentation on the SAP Ariba developer portal. Make sure that your API client applications only use and handle the fields that are listed in the API swagger documentation.

[Supplier Data API with Pagination Header Parameters \[page 6\]](#)

[Supplier Data API with Pagination Query and Filter Parameters \[page 7\]](#)

[Supplier Data API with Pagination Endpoints and Their Usage \[page 9\]](#)

[Workflows for the Supplier Data API with Pagination \[page 64\]](#)

Supplier Data API with Pagination Header Parameters

Supplier Data API with Pagination endpoints send a request or patch 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
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 Manage Applications area.
Authorization:Bearer	Your authorization token

Supplier Data API with Pagination Query and Filter Parameters

You can use query and filter parameters to paginate API results and to return incremental data.

Parameter	Description
realm	<p>Specifies the name of the customer site that the client application wants to access, which can be any of the <code>realmName</code> values in the <code>realms</code> list returned by the OAuth token.</p> <div data-bbox="818 1199 1427 1570" data-label="Complex-Block"><p>Note</p><p>This parameter replaces the client ID enablement configuration in SM Administration Service Admin. Even if you previously enabled a client application in SM Administration, clients that use v4 of the Supplier Data API with Pagination or higher must include the <code>realm</code> query parameter in API URLs. The client ID enablement configuration in SM Administration is not used for clients that use v4 of the API or higher.</p></div>
skip	<p>Specifies the pagination token returned in the body of the previous response, which is a numeric value.</p> <p>Specifying <code>\$skip=0</code> is equivalent to not passing any <code>skip</code> parameter and returns page 1 records from the first record to the specified page limit.</p> <p>Specifying the pagination token in the body of the previous response skips all records up to and including that page and retrieves successive page records up to the specified page limit.</p>

Parameter	Description
count	Specifies whether or not page metadata and total count of records are returned in the response.
top	Specifies the number of records returned for the page in the response from the pagination token onward. The value you specify must be greater than 0 and less than or equal to the system-defined pagination limit per page for the endpoint.
filter	<p>Specifies the update timestamps for records returned in the response and returns all records in the range in the specified page limit. This query parameter supports the following filter parameters:</p> <ul style="list-style-type: none"> • <code>updateDateFrom</code>: the earliest update date for records to be returned. Records most recently updated before this date are excluded from the response. This parameter uses the <code>ge</code> (greater than or equal to) operator and a date. • <code>updateDateTo</code>: the latest update date for records to be returned. Records most recently updated after this date are excluded from the response. This parameter uses the <code>le</code> (less than or equal to) operator and a date. <p>Dates must be in the format <code>YYYY-MM-DDThh:mm:ssZ</code> in Greenwich Mean Time (GMT).</p>

Note

- Since indexing of updates to supplier records can take some time, real-time retrieval of supplier data updates isn't possible. Allow a time delay between update times and queries that filter for those update timestamps.
- Questionnaire submission is an asynchronous process that can take some time depending on the size of the questionnaire. API queries return results for submissions **completed** within the specified timestamps.
- For the `vendorDataRequests` endpoint, updates to a vendor database field, change of project status, and the sending of a questionnaire all register as updates to vendor records.

```

{{runtime_url}}/supplierdatapagination/v4/prod/vendors/S1052004/workspaces/questionnaires/qna/?realm=customersite-T&$skip=10=updateDateFrom ge '2019-09-29T12:20:51Z' and updateDateTo le '2019-09-29T12:20:51Z'

```


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.

Supplier Data API with Pagination Endpoints and Their Usage

Use the following table to get brief information about all Supplier Data API with Pagination endpoints.

Method	Endpoint	Description	Area	For details, refer to
POST	<code>{{runtime_URL}}/supplierdatapagination/v4/prod/vendorDataRequests</code>	Returns the data specified in request body filters for all suppliers, with or without IDs for their associated questionnaires.	Supplier questionnaire management	<ul style="list-style-type: none">Request Filter and Output Values for the vendorDataRequests Endpoint [page 15]Output Fields [page 18]Use of the Supplier Data API with Pagination vendorDataRequests Endpoint [page 14]Update of a Questionnaire Using the Supplier Data API with Pagination [page 66]Retrieval of Certificate Attachments from Supplier Management Questionnaires Using the Supplier Data API with Pagination and the External Approval API for Sourcing and Supplier Management [page 68]

Method	Endpoint	Description	Area	For details, refer to
GET	{{runtime_URL}}/supplierdatapagination/v4/prod/vendors/{SM Vendor ID}/workspaces	Gets all supplier management projects (workspaces) for the specified supplier.	Supplier management project	Use of the Supplier Data API with Pagination workspaces Endpoint [page 31]
GET	{{runtime_URL}}/supplierdatapagination/v4/prod/vendors/{SM Vendor ID}/workspaces/{workspace ID}	Gets the specified supplier management project (workspace) for the specified supplier.	Supplier management project	
GET	{{runtime_URL}}/supplierdatapagination/v4/prod/vendors/{vendorId}/workspaces/questionnaires	Gets all modular questionnaire data for the specified supplier.	Supplier modular questionnaire management	Use of the Supplier Data API with Pagination questionnaires Endpoint [page 33]
GET	{{runtime_URL}}/supplierdatapagination/v4/prod/vendors/{vendorId}/workspaces/{workspace id}/questionnaires	Gets all modular questionnaire data in the specified project (workspace) for the specified supplier.	Supplier modular questionnaire management	
GET	{{runtime_URL}}/supplierdatapagination/v4/prod/vendors/{vendorId}/workspaces/questionnaires/{questionnaireId}	Gets data for the specified modular questionnaire for the specified supplier.	Supplier modular questionnaire management	<ul style="list-style-type: none"> Use of the Supplier Data API with Pagination questionnaires Endpoint [page 33] Updating Expiration Dates or Due Dates of Modular Questionnaires Using the Supplier Data API with Pagination [page 65]
PATCH	{{runtime_URL}}/supplierdatapagination/v4/prod/vendors/{vendorId}/workspaces/questionnaires/{questionnaireId}	Updates expiration dates or due dates of modular questionnaires for a supplier.	Supplier modular questionnaire management	

Method	Endpoint	Description	Area	For details, refer to
GET	<code>{{runtime_URL}}supplierdatapagination/v4/prod/vendors/{SMVendorID}/workspaces/questionnaires/qa</code>	Gets all question and answer data in all questionnaires for the specified supplier.	Supplier questionnaire management	<ul style="list-style-type: none"> • Use of the Supplier Data API with Pagination qna Endpoint [page 37] • Update of a Questionnaire Using the Supplier Data API with Pagination [page 66]
GET	<code>{{runtime_URL}}supplierdatapagination/v4/prod/vendors/{SMVendorID}/workspaces/{workspace id}/questionnaires/qa</code>	Gets all question and answer data in all questionnaires in the specified project (workspace) for the specified supplier.	Supplier questionnaire management	
GET	<code>{{runtime_URL}}supplierdatapagination/v4/prod/vendors/{SMVendorID}/workspaces/questionnaires/{questionnaire id}/qna</code>	Gets question and answer data in the specified questionnaire for the specified supplier.	Supplier questionnaire management	
GET	<code>{{runtime_URL}}supplierdatapagination/v4/prod/vendors/{SMVendorID}/workspaces/{workspace id}/questionnaires/{questionnaire id}/qna</code>	Gets question and answer data in the specified questionnaire in the specified project (workspace) for the specified supplier.	Supplier questionnaire management	

Method	Endpoint	Description	Area	For details, refer to
POST	<code>{{runtime_URL}}/supplierdatapagination/v4/prod/vendors/{SMVendorID}/workspaces/{workspace id}/questionnaires/{questionnaire id}/answers</code>	Posts answers to questions in the specified questionnaire in the specified project for the specified supplier.	Supplier questionnaire management	<ul style="list-style-type: none"> • Use of the Supplier Data API with Pagination answers Endpoint [page 39] • Update of a Questionnaire Using the Supplier Data API with Pagination [page 66] • Updating Process Intake Form Answers Using the Supplier Data API with Pagination [page 74]
GET	<code>{{runtime_URL}}/supplierdatapagination/v4/prod/vendors/{SM vendor ID}/certificates</code>	Gets certificate question data for the specified vendor.	Supplier certificate management	<ul style="list-style-type: none"> • Use of the Supplier Data API with Pagination certificates Endpoint [page 42] • Retrieval of Certificate Attachments from Supplier Management Questionnaires Using the Supplier Data API with Pagination and the External Approval API for Sourcing and Supplier Management [page 68]
PATCH	<code>{{runtime_url}}/supplierdatapagination/v4/prod/vendors</code>	Updates qualification or preferred category status for the specified combination of commodities, regions, and departments for the specified suppliers.	Supplier qualification management	Use of the Supplier Data API with Pagination vendors Endpoint [page 44]

Method	Endpoint	Description	Area	For details, refer to
PATCH	<code>{{runtime_url}}/supplierdatapagination/v4/prod/{vendorID}/workspaces/{workspaceId}/headerFields</code>	Updates the regions or status decisions of a process.	Supplier process management	<ul style="list-style-type: none"> • Use of the Supplier Data API with Pagination header-Fields Endpoint [page 48] • Making or Updating Decisions for Process Projects Using the Supplier Data API with Pagination and the External Approval API for Sourcing and Supplier Management [page 70]
GET	<code>{{runtime_URL}}/supplierdatapagination/v4/prod/vendors/{vendorId}/processes</code>	Retrieves header field information about all processes of a supplier.	Supplier process management	<ul style="list-style-type: none"> • Use of the Supplier Data API with Pagination processes Endpoint [page 49] • Retrieving Process Header Field Information and Process Decision History Using the Supplier Data API with Pagination [page 72]
GET	<code>{{runtime_URL}}/supplierdatapagination/v4/prod/vendors/{vendorId}/processes/{wid}</code>	Retrieves header field information and decision history of a specific process.	Supplier process management	<ul style="list-style-type: none"> • Updating Process Intake Form Answers Using the Supplier Data API with Pagination [page 74] • Retrieving Process Intake Form Details or Questionnaire Details in a Specific Version Using the Supplier Data API with Pagination [page 73]

Method	Endpoint	Description	Area	For details, refer to
GET	<code>{{runtime_URL}}/supplierdatapagination/v4/prod/vendors/{vendorId}/workspaces/questionnaires/{questionnaireId}/qna/versions</code>	Retrieves process intake form details or questionnaire details in the latest version.	Supplier process management Supplier questionnaire management	<ul style="list-style-type: none"> • Use of the Supplier Data API with Pagination versions Endpoint [page 61] • Retrieving Process Intake Form Details or Questionnaire Details in a Specific Version Using the Supplier Data API with Pagination [page 73]
GET	<code>{{runtime_URL}}/supplierdatapagination/v4/prod/vendors/{vendorId}/workspaces/questionnaires/{questionnaireId}/qna/versions/{versionId}</code>	Retrieves process intake form details or questionnaire details in a specific version.	Supplier process management Supplier questionnaire management	<ul style="list-style-type: none"> • Updating Process Intake Form Answers Using the Supplier Data API with Pagination [page 74]

Use of the Supplier Data API with Pagination Endpoint vendorDataRequests

The Supplier Data API with Pagination `vendorDataRequests` endpoint uses the `POST` method to send a JSON request to your site. The request specifies query and filter parameters in the URL, authentication in the header, and filters and output format in the body.

Method	Endpoint	Pagination limit per page	Description
POST	<code>{{runtime_URL}}/supplierdatapagination/v4/prod/vendorDataRequests</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.

Refer to [Supplier Data API with Pagination Header Parameters \[page 6\]](#) for information on header parameters and [Supplier Data API with Pagination Query and Filter Parameters \[page 7\]](#) for information on query and filter parameters.

Related Information

[Update of a Questionnaire Using the Supplier Data API with Pagination \[page 66\]](#)

[Retrieval of Certificate Attachments from Supplier Management Questionnaires Using the Supplier Data API with Pagination and the External Approval API for Sourcing and Supplier Management \[page 68\]](#)

Request Filter and Output Values for the `vendorDataRequests` Endpoint

The JSON request that the `vendorDataRequests` endpoint of the Supplier Data API with Pagination sends to your site uses name/value pairs or arrays to specify the data you want to return in output.

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 data-bbox="818 1268 1427 1440"><p>Note</p><p>You can only specify TRUE if you specify <code>outputFormat</code> of JSON. CSV output does not return questionnaire information.</p></div>
<code>smVendorIds</code>	One or more valid SM vendor IDs for suppliers in your site, separated by commas.
<code>pageLimit</code>	A number between 1 and 500. This output filter is only applicable in requests with <code>"withQuestionnaire": true</code> . This filter specifies the number of results to include per page of output and sets a maximum of 500 results per page to prevent requests that include questionnaire data from timing out. If you do not set a value, or if the value you set is greater than 500, the default value is 500.

Name/Value Pair or Array	Valid Values
withGenericCustomFields	<p>TRUE to include all custom field data associated with the suppliers returned in results; otherwise, FALSE.</p> <p>This filter returns data in fields in the following classes, grouped by class:</p> <ul style="list-style-type: none"> • vendor.supplier.GenericCustomField • vendor.businessPartnerGenericCustomField • vendor.CompanyCode.customFieldApis • vendor.bankInfos.customFieldApis
<div style="background-color: #f0f0f0; padding: 10px; border-left: 2px solid #0070c0;"> <p>Note</p> <p>You can only specify TRUE if you specify outputFormat of JSON. CSV output does not return custom field information.</p> </div>	
preferredLevelList	<p>One or more numbers between 1 and 5, separated by commas. 1 is the highest preferred level and 5 is the lowest.</p>
qualificationStatusList	<p>One or more of the following values, separated by commas:</p> <p>Cancelled, QualificationRejected, Disqualified, QualificationExpired, PendingDisqualificationApproval, QualificationStarted, InQualification, PendingQualificationApproval, PendingQualificationResubmit, QualificationRestricted, QualifiedWithException, Qualified</p> <p>For process qualifications, use standard qualification lifecycle status that corresponds to the custom qualification process status for which you want output.</p>
regionList	<p>One or more of the region codes loaded in your site as master data and used in supplier management projects, separated by commas.</p>
registrationStatusList	<p>One or more of the following values, separated by commas:</p> <p>RegistrationDenied, InExternalApprovalForCreation, NotInvited, Invited, InRegistration, PendingApproval, PendingResubmit, Registered</p>

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.

The following sample request body retrieves questionnaire titles, IDs, and types for two specific suppliers in JSON format:

```
{
  "outputFormat": "JSON",
  "withQuestionnaire": true,
  "smVendorIds": [ "S1004848", "S1004834" ]
}
```

The following sample request body retrieves questionnaire names, IDs, and types and custom field data for all suppliers in JSON format, limiting results to 250 per page:

```
{
  "outputFormat": "JSON",
  "withQuestionnaire": true,
  "pageLimit": 250,
  "withGenericCustomFields": true
}
```

Additional Parameters in Request Body of the `vendorDataRequests` Endpoint

The JSON request that the `vendorDataRequests` endpoint of the Supplier Data API with Pagination sends to your site uses name/value pairs or arrays to specify the data you want to return in output.

The following table describes valid values for name/value pairs and arrays in the request body. The parameters list below shows only those that are introduced as part of the current enhancements to the `vendorDataRequests` endpoint:

Name/Value Pair or Array	Valid Values
<code>erpVendorIds</code>	One or more valid ERP vendor IDs for suppliers in your site, separated by commas. For more information, see Supplier IDs in SAP Ariba Supplier Lifecycle and Performance .
<code>withBankDetail</code>	TRUE to include all bank related data associated with the suppliers returned in results; otherwise, FALSE.

Note

You can only specify TRUE if you specify `outputFormat` of JSON. CSV output doesn't return bank details.

Name/Value Pair or Array	Valid Values
<code>withTaxDetail</code>	<p>TRUE to include all tax related data associated with the suppliers returned in results; otherwise, FALSE.</p> <div style="border: 1px solid #ccc; padding: 5px; background-color: #f9f9f9;"> <p>Note</p> <p>You can only specify TRUE if you specify <code>outputFormat</code> of JSON. CSV output doesn't return tax details.</p> </div>
<code>withCompanyCodeDetail</code>	<p>TRUE to include all company code details associated with the suppliers returned in results; otherwise, FALSE.</p> <div style="border: 1px solid #ccc; padding: 5px; background-color: #f9f9f9;"> <p>Note</p> <p>You can only specify TRUE if you specify <code>outputFormat</code> of JSON. CSV output doesn't return company code details.</p> </div>

The following sample request body retrieves bank details, tax details, and company code details for a specific supplier in JSON format, limiting results to 500 per page:

```
{
  "smVendorIds": ["S10109602"],
  "erpVendorIds": ["1351015"],
  "withBankDetail": true,
  "withTaxDetail": true,
  "withCompanyCodeDetail": true,
  "pageLimit": 500,
  "outputFormat": "JSON"
}
```

Related Information

[Use of the Supplier Data API with Pagination vendorDataRequests Endpoint \[page 14\]](#)

Output Fields

The response for a `vendorDataRequests` requests includes anchor fields, which are included in every response, and optional output fields that can be configured in your site, in the specified JSON or CSV format.

JSON responses can include the following fields:

Field	Anchor Field?	Notes
Supplier Name	Yes	
ERP Vendor ID	Yes	
SM Vendor ID	Yes	

Field	Anchor Field?	Notes
An Id	Yes	
ACM ID	Yes	
Registration Status	Yes	
Qualification Status	Yes	Qualification status can be from either a supplier disqualification or a process disqualification.
Integrated to ERP	Yes	
Duplicate SM Vendor Id	No	
Last Integration State	No	
Last Confirmation State	No	
Source System	No	
Master Vendor Id	No	
Form of Address Code	No	
name2	No	
name3	No	
name4	No	
Duns Id	No	
Industry Code	No	
Record Created Date	No	
Creator	No	
Blocked Status	No	
Last Review Date	No	
Last Update Date	No	
Last Status Change Date	No	
Primary Supplier Manager	No	
Relationship Established	No	
Alternate Supplier Manager	No	
Approved	No	
Transactional Supplier	No	
Transactional Supplier Request Status	No	
Main Vendor Type	No	
Address - Linel	Yes	
Address - City	Yes	

Field	Anchor Field?	Notes
Address - Country Code	Yes	
Address - Region Code	Yes	
Address - Postal Code	Yes	
Primary contact first name	No	
Primary contact middle name	No	
Primary contact last name	No	
Primary contact email	No	
qualifications	No	<p>qualifications covers both qualifications (either supplier qualifications or process qualifications) and preferred category statuses and includes:</p> <ul style="list-style-type: none"> • Qualification Status • Preferred Status • Category • Region • Business Unit • Process Type <p>For process qualifications, the Process Type field includes the type of the qualification process as defined by process type data in your site.</p>
questionnaires	No	<p>The fields related to questionnaires are included in JSON output if your request specifies "withQuestionnaire" : "TRUE". They are:</p> <ul style="list-style-type: none"> • questionnaireId • questionnaireTitle • workspaceType • workspaceId • matrixInfo
genericCustomFields	No	<p>Custom fields are included in JSON output if your request specifies "withGenericCustomFields" : "TRUE".</p>

CSV responses can include the following fields:

- Supplier Name
- ERP Vendor ID
- SM Vendor ID

- An Id
- Acm 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
- Qualification Status
- Preferred Status
- Category
- Region
- Business Unit

For both types of 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.

Related Information

[Configuring Export Fields for the Supplier Data API with Pagination \[page 24\]](#)

[Request Filter and Output Values for the vendorDataRequests Endpoint \[page 15\]](#)

[Use of the Supplier Data API with Pagination vendorDataRequests Endpoint \[page 14\]](#)

[Retrieval of Certificate Attachments from Supplier Management Questionnaires Using the Supplier Data API with Pagination and the External Approval API for Sourcing and Supplier Management \[page 68\]](#)

Additional Output Fields in Response Body of the `vendorDataRequests` Endpoint

The response for the `vendorDataRequests` endpoint generates optional output fields in the specified JSON.

The existing endpoint returns several fields in the response JSON. Note that the list below shows only those response fields that are returned as part of the current enhancements to the `vendorDataRequests` endpoint:

Field	Notes
Bank Related Information	
<code>accountName</code>	A name for the supplier's bank account.
<code>accountNumber</code>	The supplier's bank account number.

Field	Notes
bankAccountExternalID	If the current bank details are known under a different ID in an external system, you can store this ID here.
bankAccountStandardID	IBAN (International Bank Account Number)
bankInternalID	The bank key (under which the bank data is stored in the appropriate country) is specified in this field.
bankAccountType	The type of the supplier bank account; for example, checking.
bankBranch	The name of the supplier's bank branch.
controlKey	The field contains a check key for the combination bank number and bank account number.
country	The country/region in which the supplier's bank operates.
address	Address output
line1	
line2	
line3	
poBox	
city	
countryCode	
region	
postalCode	
Tax Related Information	
countryCode	A set of unique identifiers for the taxes to which the supplier is subject, as defined by each country/region's tax authority.
partyTaxID	
taxIdentificationNumberTypeCode	
longPartyTaxID	
vatRegistrationNumber	The VAT number assigned to the supplier.
Company Code Related Information	
companyCode	Company code output
paymentMethodsCode	
planningGroupCode	
cashDiscountTermsCode	
generalLedgerAccountReferenceID	
subjectToWithholdingTaxIndicator	
withholdingTaxCode	
withholdingTaxTypeCode	

Field	Notes
supplierGenericCustomField	Custom fields are included in JSON output if your request specifies "withGenericCustomFields": true
businessPartnerGenericCustomField	
companyCodeGenericCustomField	
bankInfoGenericCustomField	

The following example shows a sample response:

```
[
  {
    "Supplier Name": "katTB1692776616263",
    "SM Vendor ID": "S10113105",
    "ERP Vendor ID": "1801236",
    "ACM ID": "ACM_59304",
    "Registration Status": "NotInvited",
    "Qualification Status": "NotQualified",
    "Integrated to ERP": "NotIntegrated",
    "Last Integration State": "NotIntegrated",
    "Source System": "SM",
    "Record Created Date": "1692776751863",
    "Last Review Date": "0",
    "Last Update Date": "1692776768868",
    "Last Status Change Date": "1692776757549",
    "Approved": "true",
    "Transactional Supplier": "false",
    "Main Vendor Type": "true",
    "Primary contact first name": "Ptor",
    "Primary contact last name": "katTB1692776616263",
    "Primary contact email": "TB1692776616266@aribalq.com",
    "bankInfos": [
      {
        "accountName": "Ahname",
        "accountNumber": "435455",
        "bankAccountExternalID": "57744",
        "bankAccountStandardID": "324355",
        "bankInternalID": "454534",
        "bankBranch": "Bbranch",
        "country": "US",
        "address": [
          {
            "line1": "9690 Deereco road",
            "city": "Timonium",
            "countryCode": "US",
            "postalCode": "21093"
          }
        ]
      }
    ],
    "taxInfos": [
      {
        "countryCode": "US",
        "partyTaxID": "1692776616280",
        "taxIdentificationNumberTypeCode": "1"
      },
      {
        "countryCode": "US",
        "partyTaxID": "1692776617364",
        "taxIdentificationNumberTypeCode": "2"
      },
      {
        "countryCode": "US",
        "taxIdentificationNumberTypeCode": "5",
      }
    ]
  }
]
```

```

        "longPartyTaxID": "1692776618375"
      },
      {
        "countryCode": "US",
        "taxIdentificationNumberTypeCode": "6",
        "longPartyTaxID": "1692776619385"
      }
    ],
    "companyCodes": [
      {
        "companyCode": "100",
        "paymentMethodsCode": "DSFSF",
        "planningGroupCode": "GC3455",
        "cashDiscountTermsCode": "CD43",
        "generalLedgerAccountReferenceID": "RID435345",
        "withholdingTaxes": [
          {
            "subjectToWithholdingTaxIndicator": "WTAX32434",
            "withholdingTaxCode": "WTCODE2424",
            "withholdingTaxTypeCode": "WTXSD"
          }
        ]
      }
    ]
  ]
}
]

```

Related Information

[Use of the Supplier Data API with Pagination vendorDataRequests Endpoint \[page 14\]](#)

Configuring Export Fields for the Supplier Data API with Pagination

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

Prerequisites

To configure export fields, the field configuration feature must be enabled in your site.

Context

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

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

- **Supplier Name**

- SM Vendor ID
- ERP Vendor ID
- ANID
- ACMID
- Registration Status
- Qualification Status
- Integrated to ERP
- Address

ⓘ 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:

- 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
- Primary Contact
- Qualification

ⓘ Note

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

ⓘ 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 with Pagination data export, follow these steps:

Procedure

1. Sign 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**.

Related Information

[Output Fields \[page 18\]](#)

[Use of the Supplier Data API with Pagination vendorDataRequests Endpoint \[page 14\]](#)

Use of the Supplier Data API with Pagination Endpoint

vendorContactsRequests

The Supplier Data API with Pagination vendorContactsRequests endpoint uses the `POST` method to send a JSON request to your site.

Method	Endpoint	Pagination limit per page	Description
POST	<code>{{runtime_URL}}/supplierdatapagination/v4/prod/vendorContactsRequests</code>	N/A	Returns the contact details specified in request body filters for suppliers whose IDs are specified.

For example, the following URL returns the contact details of the suppliers mentioned in the request body:

```
POST{{runtime_URL}}/supplierdatapagination/v4/prod/vendors/vendorContactsRequests?realm=mySiteName
```

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 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 operated by CDC discovery page for this API.

The following example shows a sample **request**:

```
{
  "smVendorIds": [
    "S107614566"
  ],
  "erpVendorIds": [
    "2261030"
  ],
  "acmIds": [
    "ACM_590962"
  ]
}
```

Enter any one value out of `smVendorId`, `erpVendorId`, or `acmId` for each supplier in the request body and the endpoint returns the contact information of those suppliers. The output is returned for a supplier only once even if you enter all the three IDs for the same supplier. The maximum permitted vendor limit in the request body is 100. If you exceed this limit, the system displays an error message that reads "You have entered <number> vendors. Reduce the number so as not to exceed the maximum allowed limit of 100."

→ Remember

- If you enter supplier IDs that don't exist or are inactive, the IDs are ignored and no output is generated for those suppliers. The system doesn't display any error message. Therefore, ensure that you enter only accurate supplier IDs of active suppliers in the request body.
- If you enter IDs of suppliers that don't have any supplier contacts configured, the IDs are ignored and no output is generated for those suppliers. The system doesn't display any error message. Therefore, ensure that you enter only those suppliers IDs that have at least one supplier contact configured.

The following example shows a sample **response** for the request above. Note that the response doesn't include contact details for `smVendorId` S107614566. That's because the vendor doesn't exist in the realm and is therefore ignored.

```
{
  "vendorDetails": [
    {
      "supplierName": "XYZSolutions",
      "erpVendorId": "2261030",
      "smVendorId": "S10761800",
      "anId": null,
      "acmId": "ACM_590937",
      "vendorContactInfos": [
        {
          "firstName": "Ptor",
          "lastName": "Ivanov",
          "middleName": "Igor",
          "email": "ptor.igor@abc.com",
          "telephone": "080 1234567890",
          "title": "Ivanov",
          "aodObjectId": null,
          "categories": "All",
          "mobilePhone": "91 9845921298",
          "regions": "",
          "sourceSystem": null,
          "s4UniqueName": "ptor.igor@abc.com",
          "type": "Sales",

```

```

        "locale": "ar",
        "timeZoneId": "ACT",
        "departments": "0",
        "mobileCountryName": "India",
        "telephoneCountryName": "India",
        "role": null,
        "timeUpdate": 1690877934315,
        "timeCreated": 1690263229214,
        "active": true,
        "primary": true
    }
]
},
{
    "supplierName": "PQRSolutions",
    "erpVendorId": "2273037",
    "smVendorId": "S10762100",
    "anId": null,
    "acmId": "ACM_590962",
    "vendorContactInfos": [
        {
            "firstName": "Thomas",
            "lastName": "Issac",
            "middleName": "Philip",
            "email": "thomas.philip@gor.com",
            "telephone": "080 1234562399",
            "title": "Philip",
            "aodObjectId": null,
            "categories": "All",
            "mobilePhone": "91 9848765298",
            "regions": "",
            "sourceSystem": null,
            "s4UniqueName": "thomas.philip@gor.com",
            "type": "Sales",
            "locale": "ar",
            "timeZoneId": "ACT",
            "departments": "0",
            "mobileCountryName": "India",
            "telephoneCountryName": "India",
            "role": null,
            "timeUpdate": 1690350432251,
            "timeCreated": 1690350432213,
            "active": true,
            "primary": true
        }
    ]
}
]
}
}
}

```

Refer to [Supplier Data API with Pagination Header Parameters \[page 6\]](#) for information on header parameters and [Supplier Data API with Pagination Query and Filter Parameters \[page 7\]](#) for information on query and filter parameters.

Related Information

[Use of the Supplier Data API with Pagination vendorDataRequests Endpoint \[page 14\]](#)
[Error Messages Returned by the Supplier Data API with Pagination \[page 80\]](#)

Request Filter and Output Values for the `vendorContactsRequests` Endpoint

The JSON request that the `vendorContactsRequests` endpoint of the Supplier Data API with Pagination sends to your site uses name/value pairs or arrays to specify the data you want to return in output.

The following table describes the valid values for name/value pairs and arrays in request body. Any one of these values is mandatory in the request body.

Name/Value Pair or Array	Description	Valid Values
<code>smVendorIds</code>	A unique ID that SAP Ariba assigns automatically to suppliers in SAP Ariba Supplier Lifecycle and Performance or SAP Ariba Supplier Information and Performance Management (new architecture).	One or more valid SM vendor IDs for suppliers in your site, separated by commas.
<code>erpVendorIds</code>	A mandatory ID for the supplier, which must be unique in combination with the supplier's source system. For more information, see Supplier IDs in SAP Ariba Supplier Lifecycle and Performance	One or more valid ERP vendor IDs for suppliers in your site, separated by commas.
<code>acmIds</code>	A unique ID assigned by SAP Ariba that identifies suppliers internally within SAP Ariba applications. Suppliers created in SAP Ariba Strategic Sourcing Suite and SAP Ariba Supplier Management solutions typically have ACM IDs that start with ACM_	One or more valid ACM IDs for suppliers in your site, separated by commas.

Output Fields

JSON responses include the following fields:

Field	Notes
<code>supplierName</code>	The name of the supplier. In general, <code>erpVendorId</code> associates a contact with a supplier.
<code>erpVendorId</code>	The ID of the supplier in the integrated ERP system.
<code>smVendorId</code>	The ID that SAP Ariba assigns to the supplier.
<code>anId</code>	An ID that SAP Business Network automatically assigns to suppliers when they create accounts.
<code>acmId</code>	A unique ID assigned by SAP Ariba that identifies suppliers internally within SAP Ariba applications.
<code>firstName</code>	The first name of the supplier contact.

Field	Notes
lastName	The last name of the supplier contact.
middleName	The middle name of the supplier contact.
email	The supplier contact's email address.
telephone	The supplier contact's land line telephone number.
title	The supplier contact's title.
aodObjectId	Indicates whether a supplier is private or public.
categories	The commodities for which the supplier contact is responsible.
	<div style="background-color: #f0f0f0; padding: 5px;"> <p>Note</p> <p>This code matches the commodity master data loaded in your SAP Ariba Strategic Sourcing Suite.</p> </div>
mobilePhone	The supplier contact's mobile telephone number.
regions	The regions for which the supplier contact is responsible.
	<div style="background-color: #f0f0f0; padding: 5px;"> <p>Note</p> <p>This value matches the region master data loaded in your SAP Ariba Strategic Sourcing Suite.</p> </div>
s4UniqueName	The unique name of the supplier contact in SAP Ariba Strategic Sourcing Suite
type	The type of the supplier contact that matches one of the types defined for your site.
locale	The ISO code for the supplier contact's language.
timeZoneId	The ID of the timezone where the supplier contact is located.
departments	The departments associated with the contact, if any.
mobileCountryName	The country/region of the supplier contact's mobile telephone number. SAP Ariba Supplier Management solutions automatically insert a plus sign (+) before of the country/region code in user interface display and JSON responses.
telephoneCountryName	The country/region of the supplier contact's land line telephone number.
role	role

Field	Notes
timeUpdated	The date and time when the contact was last updated.
timeCreated	The date and time when the contact was created.
Is Primary	A Boolean value that specifies whether or not the supplier contact is the primary contact for the supplier. Valid values are TRUE and FALSE.
isActive	A Boolean value that specifies whether the contact is active (TRUE) or deactivated (FALSE). If this field is empty, the contact is active.

Use of the Supplier Data API with Pagination workspaces Endpoint

The Supplier Data API with Pagination workspaces endpoints use the GET method to send a JSON request to your site. The request retrieves data about supplier management projects and associated questionnaires.

The GET URL includes query and filter parameters, and the request header specifies authentication.

Method	Endpoint	Pagination Limit Per Page	Description
GET	{{runtime_URL}}/supplierdatapagination/v4/prod/vendors/{SM Vendor ID}/workspaces	5	Gets all supplier management projects (workspaces) for the specified supplier
GET	{{runtime_URL}}/supplierdatapagination/v4/prod/vendors/{SM Vendor ID}/workspaces/{workspace ID}	5	Gets the specified supplier management project (workspace) for the specified supplier

For example, the following URL returns all of the supplier management workspaces for the specified supplier:

```
GET {{runtime_URL}}/supplierdatapagination/v4/prod/vendors/SM100015/workspaces/?realm=mysitename
```

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 workspaces endpoint can retrieve information for supplier request, registration, qualification, disqualification, preferred supplier management, and modular supplier management questionnaire projects. For process projects, use the process-related endpoints instead.

Output includes commodity, region, and department (matrix) information for all applicable workspaces. The following example shows a sample result for the `workspaces` endpoint:

```

    "Qualification": [
      {
        "active": true,
        "statusId": "WS817753",
        "requester": "asmith",
        "approver": "bchen",
        "title": "Qualification for Supplier 123",
        "status": "Qualified",
        "canDisqualify": false,
        "isExpired": false,
        "isRequalificationEligible": false,
        "matrixInfo": {
          "Status": "Qualified",
          "Region": {
            "USA",
            "Canada"
          },
          "Category": ["5218"],
          "Business Unit": ["All"]
          "Process Type": ["Full Qualification"]
        },
        "questionnaires": [],
        "links": [
          {
            "rel": "self",
            "href": "http://localhost:8080/SM/rest/smv1/vendors/S2/
workspaces/WS817753"
          }
        ]
      },
      {
        "active": true,
        "statusId": "WS842485",
        "requester": "asmith",
        "approver": "bchen",
        "title": "Qualification for Supplier123",
        "status": "Qualification Started",
        "canDisqualify": false,
        "isExpired": false,
        "isRequalificationEligible": false,
        "matrixInfo": {
          "Status": "Qualification Started",
          "Region": ["Europe"],
          "Category": ["5218"],
          "Business Unit": ["All"]
          "Process Type": ["Full Qualification"]
        },
        "questionnaires": [],
        "links": [
          {
            "rel": "self",
            "href": "http://localhost:8080/SM/rest/smv1/vendors/S2/
workspaces/WS842485"
          }
        ]
      }
    ],
    "Registration": [
      {
        "active": true,
        "invitationCount": 0,
        "status": "Invited",
        "updateStatus": "None",
        "questionnaires": [],
        "links": [

```



```

        {
            "rel": "self",
            "href": "http://localhost:8080/SM/rest/smv1/vendors/S2/
workspaces/WORKSPACEID_NOT_FOUND_ERROR"
        }
    ]
},
{
    "active": true,
    "statusId": "WS841943",
    "requester": "tjones",
    "title": "Supplier Registration for Supplier123",
    "invitationCount": 0,
    "status": "Invited",
    "updateStatus": "None",
    "matrixInfo": {
        "Region": [
            "USA",
            "INDIA"
        ],
        "Category": [
            "12",
            "53"
        ],
        "Business Unit": ["All"]
        "Process Type": []
    },
    "questionnaires": [],
    "links": [
        {
            "rel": "self",
            "href": "http://localhost:8080/SM/rest/smv1/vendors/S2/
workspaces/WS841943"
        }
    ]
}
],
...

```

Note

Output for the `workspaces` endpoints can include dates for the `invitedDate` and `questionnaireSubmissionDate`, and other dates of specific project activity. These project-related dates are calendar dates that are relative to the server time zone. They differ from database timestamps such as `timeUpdated` and `statusTimeUpdated`, which include both date and time components and are based on Greenwich Mean Time (GMT).

Use of the Supplier Data API with Pagination questionnaires Endpoint

The Supplier Data API with Pagination `questionnaires` endpoints use the `GET` and `PATCH` methods to send JSON requests to your site. The `GET` request retrieves data about submitted modular questionnaires, and the `PATCH` request updates expiration dates and due dates of modular questionnaires for a supplier.

The `GET` URL includes query and filter parameters, and the request header specifies authentication.

Method	Endpoint	Pagination limit per page	Description
GET	<code>{{runtime_URL}}/supplierdatapagination/v4/prod/vendors/{vendorId}/workspaces/questionnaires</code>	5	Gets all modular questionnaire data for the specified supplier.
GET	<code>{{runtime_URL}}/supplierdatapagination/v4/prod/vendors/{vendorId}/workspaces/{workspace id}/questionnaires</code>	5	Gets all modular questionnaire data in the specified project (workspace) for the specified supplier.
GET	<code>{{runtime_URL}}/supplierdatapagination/v4/prod/vendors/{vendorId}/workspaces/questionnaires/{questionnaireId}</code>	N/A	Gets data for the specified modular questionnaire for the specified supplier.
PATCH	<code>{{runtime_URL}}/supplierdatapagination/v4/prod/vendors/{vendorId}/workspaces/questionnaires/{questionnaireId}</code>	N/A	Updates expiration dates or due dates of modular questionnaires for a supplier.

Note

- The GET method only returns data for modular questionnaires that have been submitted at least once by a recipient. For questionnaires that have been created but not yet submitted, they return a 421 `Questionnaire not found` error.
- `questionnaires` endpoints only retrieve data related to modular supplier management questionnaires. You can use [workspaces \[page 31\]](#) endpoints to retrieve the IDs of questionnaires in projects other than modular questionnaires projects.

For example, the following URL retrieves all of the modular supplier management questionnaire data in a specific workspace for a specific supplier. Make sure that you append the request parameter `includeScore=true` if you want the response to include total score related data.

```
GET {{runtime_URL}}/supplierdatapagination/v4/prod/vendors/SM100015/workspaces/WS9050423/questionnaires/?realm=mysitename&includeScore=true
```

For example, the following URL updates the expiration date or due date of the modular questionnaire (document ID: `Doc12345678`) for a specific supplier (SM vendor ID: `SM100015`):

```
PATCH {{runtime_URL}}/supplierdatapagination/v4/prod/vendors/SM100015/workspaces/questionnaires/Doc12345678/?realm=mysitename
```

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 \[page 6\]](#) for information on header parameters.

Note

The following example shows one sample result out of five for a GET to the `questionnaires` 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/questionnaires/Doc7940394"
          }
        }
      }
    ]
  }
}
```

```

    ],
    "_links": {
      "self": {
        "href": "https://svcmachss.ariba.com:80/SM/rest/smv1/vendors/S1830600/
workspaces/questionnaires"
      }
    },
    ...
    ...
    ...
    "pageMetaData": {
      "size": 5,
      "totalElements": 20,
      "totalPages": 4,
      "number": 0
    },
    "pageToken": "10"
  }
}

```

The following table describes parameters in the PATCH request body:

Name/Value Pair or Array	Description
expiryDate	<p>Specifies the date after which the modular questionnaire expires.</p> <p>You can update the expiration date only after the modular questionnaire is approved and before the modular questionnaire expires.</p> <p>The value format is MM/DD/YYYY.</p>
dueDate	<p>Specifies the date by which the modular questionnaire must be answered.</p> <p>You can update the due date only before the modular questionnaire is approved.</p> <p>The value format is MM/DD/YYYY.</p>
comment	This field is optional.

The following example shows a request body that updates expiration dates or due dates of modular questionnaires:

```

{
  "expiryDate": "MM/DD/YYYY",
  "dueDate": "MM/DD/YYYY",
  "comment": "string"
}

```

The following example shows a sample result for a questionnaires/{questionnaireId} endpoint:

```

{
  "status": "OK",
  "message": "Due Date succussfully updated",
  "debugMessage": "",
  "statusCode": 200
}

```

Related Information

[Updating Expiration Dates or Due Dates of Modular Questionnaires Using the Supplier Data API with Pagination \[page 65\]](#)

Use of the Supplier Data API with Pagination qna Endpoint

The Supplier Data API with Pagination qna endpoint uses the `GET` method to send a JSON request to your site. The request retrieves question and answer data from supplier management questionnaires.

The `GET` URL includes query and filter parameters, and the request header specifies authentication.

Method	Endpoint	Pagination Limit Per Page	Description
GET	<code>{{runtime_URL}}supplierdatapagination/v4/prod/vendors/{SM vendor ID}/workspaces/questionnaires/qna</code>	100	Gets all question and answer data in all questionnaires for the specified supplier.
GET	<code>{{runtime_URL}}supplierdatapagination/v4/prod/vendors/{SM vendor ID}/workspaces/{workspace id}/questionnaires/qna</code>	100	Gets all question and answer data in all questionnaires in the specified project (workspace) for the specified supplier.
GET	<code>{{runtime_URL}}supplierdatapagination/v4/prod/vendors/{VendorID}/workspaces/questionnaires/{questionnaire id}/qna</code>	100	Gets question and answer data in the specified questionnaire for the specified supplier.

Method	Endpoint	Pagination Limit Per Page	Description
GET	<code>{{runtime_URL}}supplierdatapagination/v4/prod/vendors/{SMVendorID}/workspaces/{workspaceid}/questionnaires/{questionnaireid}/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}}supplierdatapagination/v4/prod/vendors/SM100015/workspaces/WS9050423/questionnaires/qna/?realm=mysitename
```

These endpoints retrieve question and answer data for all question answer types in active projects except for **Attachment** or **Certificate**, which are not included in results. They also don't retrieve data for text questions with sensitive data masking. You can use the separate `certificates` endpoint to retrieve **Certificate** question and answer data. They don't retrieve any data for questions and answers in inactive projects, deleted questionnaires, or questionnaires that are canceled as part of a process cancellation .

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 \[page 6\]](#) 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 questionnaire, 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,
          "questionnaireId": "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
    }
}
]
}

```

Related Information

[Supplier Data API with Pagination Header Parameters \[page 6\]](#)

[Update of a Questionnaire Using the Supplier Data API with Pagination \[page 66\]](#)

Use of the Supplier Data API with Pagination answers Endpoint

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 in the header.

Method	Endpoint	Pagination	Description
POST	<code>{{runtime_URL}}supplierdatapagination/v4/prod/vendors/{SMVendorID}/workspaces/{workspace id}/questionnaires/{questionnaire 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 \[page 6\]](#) for information on header parameters.

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 isn't currently acting on. This restriction always applies to external registration and qualification

questionnaires, and is the default behavior for external modular questionnaires. If the supplier is currently acting on the questionnaire, updates to it return 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.	Invited	Qualification Started	Not Responded
The supplier has opened the questionnaire but hasn't yet submitted it.	In Registration	In Qualification	Pending Submission
The supplier has reopened the questionnaire after an approver has requested additional information.	Pending Resubmit	Pending Qualification Resubmit	Pending Resubmission

The self-service configuration parameter [Enable API updates for external modular questionnaires with any status](#) controls this restriction for external modular questionnaires. An administrator in your site can manage this parameter in **Intelligent Configuration Manager**. If this parameter is set to **Yes**, the post can update answers to external modular questionnaires in any status, including prepopulating newly created questionnaires with answers from other systems.

- 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. 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 or internal questionnaire editor.

By default, updates made using this API don't trigger any approval tasks associated with the questionnaire. **For modular questionnaires and registration questionnaires only**, if the update request body includes a `triggerApprove` attribute of `true`, the update starts any approval tasks associated with the current phase of the questionnaire and proceeds through the approval flow configured in those tasks in the same way as a manual questionnaire update. If the `triggerApprove` attribute is `false`, or if the questionnaire isn't a modular questionnaire or a registration questionnaire, no approval tasks are triggered.

📌 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 (MM-DD-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.
- The API doesn't validate questions for editability or visibility conditions, and doesn't prevent updates to questions that are read-only or hidden based on current questionnaire conditions.

Related Information

[Update of a Questionnaire Using the Supplier Data API with Pagination \[page 66\]](#)

[Updating Process Intake Form Answers Using the Supplier Data API with Pagination \[page 74\]](#)

Use of the Supplier Data API with Pagination `scores` Endpoint

The Supplier Data API with Pagination `scores` endpoint uses the `GET` method to retrieve modular questionnaire scores and score metadata.

This endpoint is applicable only to graded modular questionnaires. In modular questionnaires that include internal forms, it's only applicable to the **key questionnaire** (the template survey document with a questionnaire format of **Questionnaire**) in the project. If this endpoint is used to query a nongraded modular questionnaire, or an internal form in a modular questionnaire project, the client application returns an error.

Method	Endpoint	Pagination	Description
GET	<code>{{runtime_URL}}supplierdatapagination/v4/prod/vendors/{SMVendorID}/workspaces/{workspace id}/questionnaires/{questionnaire id}/scores</code>	N/A	Retrieves the overall score and section-level scores of a single modular questionnaire in the specified project for the specified supplier. Modular questionnaire information such as weight, importance, target, band, and range are also returned.

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.

This sample code shows fields that are added to the response of the Supplier Data API with Pagination `scores` endpoint:

Sample Code

```
http://host/supplierdatapagination/v4/prod/vendors/S01234/workspaces/questionnaires/Doc56789/scores?realm=s4All
{
  "scores": {
    "totalScore": 47.01,
    "scoringBand": {
      "scoringBandName": "FailedAC",
      "scoringBandLabel": "FailedAC",
      "scoringBandCategoryName": "AC",
      "scoringBandColor": "Red",
      "rangeFrom": 0.0,
      "rangeTo": 60.0
    },
    "scoreItems": [
```

```

{
  "itemId": "3001",
  "itemLabel": null,
  "parentItemId": null,
  "childItems": null,
  "itemCorrelationId": "KI_81407",
  "parentItemCorrelationId": null,
  "score": 47.01,
  "target": 0.0,
  "weight": 26.0,
  "scoringBand": {
    "scoringBandName": "FailedAC",
    "scoringBandLabel": "FailedAC",
    "scoringBandCategoryName": "AC",
    "scoringBandColor": "Red",
    "rangeFrom": 0.0,
    "rangeTo": 60.0
  }
},

```

Related Information

[Retrieving the List of Active Modular Questionnaires for a Process Type Using the Supplier Data API with Pagination \[page 76\]](#)

Use of the Supplier Data API with Pagination certificates Endpoint

The Supplier Data API with Pagination certificates endpoints use the `GET` method to send a JSON request to your site. The request returns header-level data for certificate questions.

The `GET` URL includes query and filter parameters, and the request header specifies authentication. 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 \[page 68\]](#) as well.

Method	Endpoint	Pagination Limit Per Page	Description
GET	<code>{{runtime_URL}}supplierdatapagination/v4/prod/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}}supplierdatapagination/v4/prod/vendors/SM100015/certificates/?
realm=mysitename
```

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"
          }
        }
      },
      ...
    ]
  }
}
```

Related Information

[Retrieval of Certificate Attachments from Supplier Management Questionnaires Using the Supplier Data API with Pagination and the External Approval API for Sourcing and Supplier Management \[page 68\]](#)

Use of the Supplier Data API with Pagination `vendors` Endpoint

The Supplier Data API with Pagination `vendors` endpoint uses the `PATCH` method to send qualification and preferred category status update requests to your site in JSON format. You can use it to qualify, disqualify, and set preferred category statuses for suppliers.

The JSON request specifies authentication in the header and status update information in the body.

Method	Endpoint	Description
<code>PATCH</code>	<code>{{runtime_url}}/supplierdatapagination/v4/prod/vendors</code>	Updates qualification or preferred category status for the specified combination of commodities, regions, and departments for the specified suppliers.

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 JSON requests that the `vendors` endpoint sends to your site include `statusList` arrays with `statusType` of either `Preferred` or `Qualification`. `statusList` arrays include the following name/value pairs or arrays:

Name/Value Pair or Array	Valid Values	Required?
<code>active</code>	<code>TRUE</code> or <code>FALSE</code> . Specifying <code>FALSE</code> deactivates the status record.	Yes
<code>businessUnit</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.	Yes, if departments are enabled in your site.

Note

This code must match the department master data loaded in your SAP Ariba strategic sourcing solutions site.

Name/Value Pair or Array	Valid Values	Required?
category	<p>One or more of the category IDs loaded in your site as master data and used in supplier management projects, separated by commas.</p> <div data-bbox="613 436 1010 638" style="border: 1px solid #ccc; background-color: #f9f9f9; padding: 5px;"> <p>Note</p> <p>This code must match the commodity master data loaded in your SAP Ariba strategic sourcing solutions site.</p> </div>	Yes
endDate	The end date for the status in ISO format.	No
erpVendorId	The ERP vendor ID of the supplier.	Yes
region	<p>One or more of the region codes loaded in your site as master data and used in supplier management projects, separated by commas.</p> <div data-bbox="613 919 1010 1121" style="border: 1px solid #ccc; background-color: #f9f9f9; padding: 5px;"> <p>Note</p> <p>This code must match the commodity master data loaded in your SAP Ariba strategic sourcing solutions site.</p> </div>	Yes
requalificationEligibleDate	The requalification eligibility date for a qualification status in ISO format.	No
sourceSystem	The source system associated with the <code>erpVendorId</code>	Yes
startDate	The start date for the status in ISO format.	No

Name/Value Pair or Array	Valid Values	Required?
status	<p>The status, which can be one of the following values:</p> <ul style="list-style-type: none"> Qualification statuses: <ul style="list-style-type: none"> NotQualified QualificationStarted InQualification PendingQualificationApproval PendingResubmit QualificationRestricted QualificationRejected Disqualified Qualified Expired Cancelled <p>If you use display mappings to customize what statuses are called in your site, you must still use these values to update qualification statuses.</p> <ul style="list-style-type: none"> Preferred category statuses: numbers 1 through 5, where 1 represents the highest level of preference. 	Yes
statusQualifier	A string that provides additional information about the status.	No

The following example shows a status request body that sets a qualification status for a supplier for all commodities, regions, and departments:

```
{
  "statusList": [
    {
      "active": true,
      "erpVendorId": "1234567",
      "sourceSystem": "SAP",
      "status": "Qualified"
    }
  ],
  "statusType": "Qualification"
}
```

Note

In sites that include SAP Ariba Supplier Lifecycle and Performance, you can set qualification statuses for a supplier either automatically using qualification data import or the Supplier Data API with Pagination, or manually using qualification and disqualification projects. SAP Ariba Supplier Lifecycle and Performance is designed to maintain qualifications over the long term using projects, which have questionnaires and

workflows. Qualifications set using data import or the Supplier Data API with Pagination don't have associated qualification or disqualification projects. Keep in mind the following behavior:

- If a qualification status was set using an approved qualification or disqualification project, you can't use data import or the API to update it. If a supplier was qualified using a qualification project, you must disqualify them using a disqualification project. If a supplier was disqualified using a disqualification project, you must requalify them using a qualification project. If a supplier was qualified using a qualification project with an expiration date and that qualification has expired, you must requalify them using a qualification project.
- If a qualification status was set using data import or the API, you can use a qualification or disqualification project to update it. In this case, a qualification manager can start a disqualification or requalification in the supplier's profile. SAP Ariba Supplier Lifecycle and Performance then creates the appropriate qualification or disqualification project based on the specified qualification commodities, regions, and departments. Once that project is created, you can only manage that qualification's status using projects.
- The qualification end (expiration) and requalification eligibility dates in qualification data imports or API requests are **for information only** and don't trigger updates to qualification status. For example, if you use data import or the API to define qualified status with an end date of 1/31/2020, the qualification status doesn't change to expired on 2/1/2020. Since there was no underlying qualification project to set the status, you can't start a project-based requalification for a qualification that you defined using data import or the API and that has since passed the expiration date. The qualification retains the original qualified status unless you update it using another data import or API operation.
- Since commodities, regions, and departments are hierarchical, with higher and lower levels, when a supplier is qualified or disqualified for a commodity, region, or department combination, they're also automatically qualified or disqualified for the lower levels of those hierarchy branches. If a supplier is disqualified at a higher level of the hierarchy, you can't qualify them at a lower level. For example, if the supplier is disqualified for apparel in the United States of America, you can't qualify them for shirts in Colorado. However, if a supplier is qualified at a higher level and the qualification isn't project-based, you can use data import or the API to partially disqualify them at a lower level. For example, if the supplier is qualified for apparel in the United States of America, you can disqualify them for shoes in Texas.

Note

In sites that include SAP Ariba Supplier Lifecycle and Performance, you can set preferred category statuses for a supplier either automatically using preferred supplier data import or the Supplier Data API with Pagination, or manually using preferred supplier management projects. Preferred category statuses set using data import or the API don't have associated preferred supplier management projects. Unlike with qualification statuses, there's also no restriction on using data import or the API to update preferred status for a supplier that has an existing status based on a preferred supplier management project.

Related Information

[Supplier Data API with Pagination Endpoints and Their Usage \[page 9\]](#)

Use of the Supplier Data API with Pagination `headerFields` Endpoint

The Supplier Data API with Pagination `headerFields` endpoint uses the `PATCH` method to send a `JSON` request to your site. The request sets region IDs and status decisions for process projects.

The `PATCH` URL includes query and filter parameters, and the request header specifies authentication.

Method	Endpoint	Description
<code>PATCH</code>	<code>{{runtime_url}}/supplierdatapagination/v4/prod/{vendorID}/workspaces/{workspaceId}/headerFields</code>	Updates the regions or status decisions of a process.

This endpoint is only applicable if your site uses the process project feature (SM-16798).

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.

Note

Processes that have projects include modular questionnaires based on the combination of the process's commodities, regions, and departments. Updating a project-based process's regions using this API does not change the questionnaires included in the process project and can result in a process project that is missing important questionnaires or that includes questionnaires that are not applicable.

A `JSON` request that the `headerFields` endpoint sends to your site can **either** update region IDs **or** update status decisions, but the same request can't do both. Requests can include the following name/value pairs or arrays:

Name/Value Pair or Array	Valid Values	Required?
<code>regionIds</code>	One or more of the region codes loaded in your site as master data and used in supplier management projects, separated by commas.	Yes, to update the region. Otherwise, no. If a value is specified for <code>regionIds</code> , <code>decisionStatus</code> , <code>decisionComment</code> , and <code>decisionMadeBy</code> are ignored.
<code>decisionStatus</code>	Values for this field are: <ul style="list-style-type: none"> Approved ConditionallyApproved Denied For details, refer to Project states (ProjectStatus) and custom supplier process management statuses .	To set a status decision for the process, all 3 are required. Otherwise, no.
<code>decisionComment</code>	A comment to explain the decision, with a maximum length of 255 characters.	

Name/Value Pair or Array	Valid Values	Required?
decisionMadeBy	The user name of the decision maker. The user you specify must be a member of the Decision Maker group in the process project template.	

The following example shows a request body that updates a region for a process:

```
{
  "regionIds": ["NAMER", "LATAM"],
}
```

The following example shows a request body that sets a status decision for a process:

```
{
  "regionIds": [],
  "decisionStatus": "Approved",
  "decisionMadeBy": "ebrown",
  "decisionComment": "All questionnaires are approved with high scores."
}
```

You can use the `headerFields` endpoint of the Supplier Data API with Pagination in combination with the External Approval API for Sourcing and Supplier Management to both approve a process's modular questionnaires and set its final status externally.

Related Information

[Making or Updating Decisions for Process Projects Using the Supplier Data API with Pagination and the External Approval API for Sourcing and Supplier Management \[page 70\]](#)

Use of the Supplier Data API with Pagination processes Endpoint

The Supplier Data API with Pagination `processes` endpoints use the `GET` method to send a JSON request to your site. The request retrieves header field information of all processes or header field information and decision history of a specific process for a supplier.

Method	Endpoint	Description
GET	<code>{{runtime_URL}}/supplierdatapagination/v4/prod/vendors/{vendorId}/processes</code>	Retrieves header field information about all processes of a supplier. The pagination limit per page is 100.

Method	Endpoint	Description
GET	<code>{{runtime_URL}}/supplierdatapagination/v4/prod/vendors/{vendorId}/processes/{wid}</code>	Retrieves header field information and decision history of a specific process.

For example, the following URL retrieves basic information about all processes of the supplier with SM vendor ID S10028001:

```
GET {{runtime_URL}}/supplierdatapagination/v4/prod/vendors/S10028001/processes/?realm=mysitename
```

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 a sample result for a `processes` endpoint:

```
{
  "vendorInfo": {
    "smVendorId": "S10028001",
    "erpVendorId": "VDR41050",
    "anId": "null",
    "acmId": "ACM_64"
  },
  "processes": [
    {
      "wid": "WS18603",
      "title": "SM-ProcessFlow Intake Test",
      "statusUniqueName": "Qualified",
      "status": "AIn Progress",
      "sourceSystem": "null",
      "processId": "PI16039",
      "startDate": "1642767514525",
      "endDate": "null",
      "projectOwner": "cnoll",
      "decisionMadeOn": 1683050601128,
      "matrixCriteria": {
        "categoryList": [
          "71",
          "51"
        ],
        "regionList": [
          "USA",
          "INDIA"
        ],
        "departmentList": [
          "408",
          "1000"
        ],
        "materialList": [
          0
        ]
      }
    }
  ],
  "count": 1
}
```

Related Information

[Retrieving Process Header Field Information and Process Decision History Using the Supplier Data API with Pagination \[page 72\]](#)

[Retrieving Process Intake Form Details or Questionnaire Details in a Specific Version Using the Supplier Data API with Pagination \[page 73\]](#)

[Updating Process Intake Form Answers Using the Supplier Data API with Pagination \[page 74\]](#)

Use of the Supplier Data API with Pagination `processTypes` Endpoint

The Supplier Data API with Pagination `processTypes` endpoint uses the GET method to send a JSON request to your site. The request retrieves the list of all processes.

Method	Endpoint	Description
GET	<code>{{runtime_URL}}/supplierdatapagination/v4/prod/processes/processTypes</code>	Retrieves all the process types in your site. These are the process types defined in your site. For more information, see Process Type Data Import .

For example, the following URL retrieves all the process types in *myRealm*:

```
GET {{runtime_URL}}/supplierdatapagination/v4/prod/processes/processTypes?realm=myRealm
```

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.

Refer to [Supplier Data API with Pagination Header Parameters \[page 6\]](#) for information on header parameters and [Supplier Data API with Pagination Query and Filter Parameters \[page 7\]](#) for information on query and filter parameters.

The following example shows a sample response for a `processTypes` endpoint:

```
{
  "status": "OK",
  "statusCode": 200,
  "errorMessages": [],
  "warnings": [],
  "debugInfo": {
    "requestProcessingTime": null,
    "storeProcessingTime": null
  },
  "moreDataAvailable": false,
  "nextToken": null,
  "errorsByVendor": {},
  "warningMessages": null,
}
```

```

    "processTypes": [
      {
        "uniqueName": "AC",
        "name": "Data Security",
        "aribaLifeCycle": "Qualification"
      },
    ]
  }

```

Related Information

[Retrieving Process Header Field Information and Process Decision History Using the Supplier Data API with Pagination \[page 72\]](#)

[Retrieving Process Intake Form Details or Questionnaire Details in a Specific Version Using the Supplier Data API with Pagination \[page 73\]](#)

[Updating Process Intake Form Answers Using the Supplier Data API with Pagination \[page 74\]](#)

Use of the Supplier Data API with Pagination `templates` Endpoint

The Supplier Data API with Pagination `templates` endpoint uses the `GET` method to send a JSON request to your site. The request retrieves the intake form for the process type.

Method	Endpoint	Description
GET	<code>{{runtime_URL}}/supplierdatapagination/v4/prod/processes/{processType}/templates</code>	Retrieves the intake form for the process type.

For example, the following URL retrieves the intake form for the **Process Type** in `myRealm`:

```

GET {{runtime_URL}}/supplierdatapagination/v4/prod/processes/{processType}/templates?realm=myRealm

```

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.

Refer to [Supplier Data API with Pagination Header Parameters \[page 6\]](#) for information on header parameters and [Supplier Data API with Pagination Query and Filter Parameters \[page 7\]](#) for information on query and filter parameters.

The following example shows a sample response for the `templates` endpoint:

```

{
  "status": "OK",
  "statusCode": 200,

```

```

"errorMessages": [],
"warnings": [],
"debugInfo": {
  "requestProcessingTime": null,
  "storeProcessingTime": null
},
"moreDataAvailable": false,
"nextToken": null,
"errorsByVendor": {},
"warningMessages": null,
"questionAnswers": [
  {
    "active": true,
    "timeUpdated": null,
    "timeCreated": null,
    "purgeState": null,
    "lastTimePurgeStateUpdated": null,
    "parentUniqueName": null,
    "uniqueName": null,
    "itemId": "3942212",
    "alternative": null,
    "externalSystemCorrelationId": "KI_112257",
    "processId": "PI875161",
    "documentId": "Doc16095926",
    "templateDocumentId": null,
    "searchTerm": null,
    "answer": null,
    "enumerationCodeDelimiters": null,
    "dataType": "String",
    "multiValued": true,
    "smVendorId": null,
    "workspaceType": null,
    "workspaceId": "WS16095921",
    "type": null,
    "totalQuestions": "11",
    "questionnaireLabel": "Audit Process Form",
    "questionLabel": "Enter Category",
    "answerType": "CommodityType",
    "rootId": null
  },
  {
    "active": true,
    "timeUpdated": null,
    "timeCreated": null,
    "purgeState": null,
    "lastTimePurgeStateUpdated": null,
    "parentUniqueName": null,
    "uniqueName": null,
    "itemId": "3942213",
    "alternative": null,
    "externalSystemCorrelationId": "KI_112258",
    "processId": "PI875161",
    "documentId": "Doc16095926",
    "templateDocumentId": null,
    "searchTerm": null,
    "answer": null,
    "enumerationCodeDelimiters": null,
    "dataType": "String",
    "multiValued": true,
    "smVendorId": null,
    "workspaceType": null,
    "workspaceId": "WS16095921",
    "type": null,
    "totalQuestions": "11",
    "questionnaireLabel": "Audit Process Form",
    "questionLabel": "Enter Region",
    "answerType": "RegionType",
    "rootId": null
  }
]

```

```

    },
    {
      "active": true,
      "timeUpdated": null,
      "timeCreated": null,
      "purgeState": null,
      "lastTimePurgeStateUpdated": null,
      "parentUniqueName": null,
      "uniqueName": null,
      "itemId": "3942214",
      "alternative": null,
      "externalSystemCorrelationId": "KI_10960765",
      "processId": "PI875161",
      "documentId": "Doc16095926",
      "templateDocumentId": null,
      "searchTerm": null,
      "answer": null,
      "enumerationCodeDelimiters": null,
      "dataType": "String",
      "multiValued": true,
      "smVendorId": null,
      "workspaceType": null,
      "workspaceId": "WS16095921",
      "type": null,
      "totalQuestions": "11",
      "questionnaireLabel": "Audit Process Form",
      "questionLabel": "Enter Department",
      "answerType": "DepartmentType",
      "rootId": null
    }
  ],
  "templateId": "WS16095921",
  "templateProcessId": "PI875154"
}

```

Related Information

[Retrieving Intake Form Using the Supplier Data API with Pagination \[page 76\]](#)

Use of the Supplier Data API with Pagination modularQuestionnairesRequests Endpoint

The Supplier Data API with Pagination `modularQuestionnairesRequests` endpoint uses the `POST` method to send a JSON request to your site. The request body contains the matrix fields `categoryId`, `regionId`,

departmentId, and templateId. All the active modular questionnaire templates, including mandatory templates, for this combination are returned.

Method	Endpoint	Description
POST	<code>{{runtime_URL}}/supplierdatapagination/v4/prod/processes/{processType}/modularQuestionnairesRequests</code>	Returns the list of all modular questionnaire templates for the process type

For example, the following URL retrieves all the active modular questionnaire templates, including mandatory templates, for the combination of **Category, Region, Department**) and **Process Type** shown further below in the request body:

```
POST {{runtime_URL}}/supplierdatapagination/v4/prod/processes/{processType}/modularQuestionnairesRequests?realm=myRealm
```

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.

Refer to [Supplier Data API with Pagination Header Parameters \[page 6\]](#) for information on header parameters and [Supplier Data API with Pagination Query and Filter Parameters \[page 7\]](#) for information on query and filter parameters.

A sample request body:

```
{
  "categoryIds": [
    "30"
  ],
  "regionIds": [
    "EMEA"
  ],
  "departmentIds": [
    "300"
  ],
  "materialIds": [],
  ],
  "templateId": "WS16095921"
}
```

The following example shows a sample response for a modularQuestionnairesRequests endpoint:

```
{
  "status": "OK",
  "statusCode": 200,
  "errorMessages": [],
  "warnings": [],
  "debugInfo": {
    "requestProcessingTime": null,
    "storeProcessingTime": null
  },
  "moreDataAvailable": false,
  "nextToken": null,
}
```

```

"errorsByVendor": {},
"warningMessages": null,
"questionnaires": [
  {
    "title": "Review By Purchasing Manager",
    "internalId": "WS16225252",
    "questionnaireType": "Audit Process",
    "requestUpdate": false,
    "docId": "Doc16225259",
    "template": true,
    "isInternal": false,
    "isRequired": false,
    "isTemplate": true
  },
}

```

Related Information

[Retrieving the List of Active Modular Questionnaires for a Process Type Using the Supplier Data API with Pagination \[page 76\]](#)

Use of the Supplier Data API with Pagination processCreateRequests Endpoint

The Supplier Data API with Pagination `processCreateRequests` endpoint uses the `POST` method to send a JSON request to your site. The request creates a process for a supplier with a given process type.

Method	Endpoint	Description
POST	<code>{{runtime_URL}}/supplierdatapagination/v4/prod/processes/processCreateRequests</code>	Creates the process for a supplier with a given process type.

Note

If you wish to request an update, set the `requestUpdate` attribute to 'true' in the request body. If you request an update for a modular questionnaire, you can choose to remind the current recipient or invite a different recipient.

For example, the following URL creates a process for a supplier in `myRealm`:

```

POST {{runtime_URL}}/supplierdatapagination/v4/prod/processes/processCreateRequests?realm=myRealm

```


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.

Refer to [Supplier Data API with Pagination Header Parameters \[page 6\]](#) for information on header parameters and [Supplier Data API with Pagination Query and Filter Parameters \[page 7\]](#) for information on query and filter parameters.

If a process with the same matrix combination (**Category**, **Region**, and **Department**) does not exist, a new process is created.

- If a process for the same matrix combination already exists, then:
 - the system returns an error if a decision has not been taken on that process
 - the existing process is renewed if a decision has already been taken on that process

The process initiator is also the process owner, and this value is passed in the request body as shown below in the sample request body.

The JSON request that the `processCreateRequests` endpoint of the Supplier Data API with Pagination sends to your site uses the following values to specify the data you want to return in output:

- `aribaLifeCycle`: Qualification or Miscellaneous
- `templateId`
- `templateProcessId`
- `workspaceId`: Workspace ID of the project
- `entityType`
- `expiryDetail`
- `smVendorId`
- `recipient`: the user name and email address of the questionnaire recipient. If you don't specify `recipient`, the default recipient (primary supplier contact for external questionnaires, process initiator for internal questionnaires) is used.
- `matrix`: Commodity, Region, Department
- `currentProcessId`
- `questionnaireType`
- `externalSystemCorrelationId`: unique identifier for a piece of content within an individual questionnaire.
- `processCreationMessage`: message to include in notifications sent to the supplier contact and process project team members.

A sample request body:

```
{
  "aribaLifeCycle": "Qualification",
  "templateId": "WS16095921",
  "templateProcessId": "PI875154",
  "workspaceId": "",
  "entityType": 0,
  "processType": "Data Security",
  "expiryDetail": {
    "expiryOffset": null,
    "expiryFrequency": "Days",
    "expiryReminderOffset": null,
  }
}
```

```

    "expiryReminderFrequency": "days"
  },
  "templateIds": null,
  "smProcessVendors": [
    {
      "smVendorId": "S10111701",
      "currentProcessId": "SMP-8bab520f-af8f-4577-ad7b-5625933bbad7",
      "isRenew": true,
      "recipient": {
      }
    }
  ],
  "matrix": {
    "categoryIds": [
      "30"
    ],
    "regionIds": [
      "SOAM"
    ],
    "departmentIds": [
      "100"
    ],
    "materialIds": []
  },
  "questionnaires": [
    {
      "title": "Internal Audit for US",
      "internalId": "WS15013638",
      "questionnaireType": "Audit Process",
      "requestUpdate": false,
      "isInternal": true,
      "isRequired": false,
      "sendToUser": true,
      "recipient": {
        "s4UniqueName": "bobsmith",
        "email": "bsmith@buyer.com",
        "passwordAdapter": "PasswordAdapter1"
      }
    },
    {
      "title": "Internal Audit for Texas",
      "internalId": "WS3486356",
      "questionnaireType": "Audit Process",
      "requestUpdate": false,
      "isInternal": true,
      "isRequired": false,
      "sendToUser": true,
      "recipient": {
        "s4UniqueName": "alicejones",
        "email": "ajones@buyer.com",
        "passwordAdapter": "PasswordAdapter1"
      }
    }
  ],
  "answers": [
    {
      "itemId": "5009971",
      "externalSystemCorrelationId": "KI_232650",
      "multiValueAnswer": [
        "30"
      ]
    },
    {
      "itemId": "5009972",
      "externalSystemCorrelationId": "KI_232651",
      "multiValueAnswer": [
        "SOAM"
      ]
    }
  ]
}

```

```

    },
    {
      "itemId": "5009973",
      "externalSystemCorrelationId": "KI_232652",
      "multiValueAnswer": [
        "100"
      ]
    }
  ],
  "processCreationMessage": "string",
  "initiatorName": "jarvis",
  "initiatorEmail": "string",
  "initiatorPassword": "PasswordAdapter1"
}

```

The following example shows a sample response for a `processCreateRequests` endpoint:

```

{
  "status": "OK",
  "statusCode": 200,
  "errorMessages": [],
  "warnings": [],
  "debugInfo": {
    "requestProcessingTime": null,
    "storeProcessingTime": null
  },
  "moreDataAvailable": false,
  "nextToken": null,
  "errorsByVendor": {},
  "warningMessages": null,
  "duplicateSuppliers": []
}

```

Related Information

[Creating a Process for a Supplier Using the Supplier Data API with Pagination \[page 77\]](#)

[Use of the Supplier Data API with Pagination jobs Endpoint \[page 63\]](#)

Use of the Supplier Data API with Pagination Endpoint

`processCancellationRequest`

The Supplier Data API with Pagination uses the `PATCH` method to send a JSON request to your site. The request cancels a specific process that is in **In Progress** status for a specific supplier from an external system.

Method	Endpoint	Description
PATCH	<pre> {{{runtime_URL}}}/ supplierdatapagination/v4/ prod/vendors/{vendorId}/ processes/{wid}? realm=myRealm </pre>	<p>Cancels a specific process that is in in-progress status for a specific supplier.</p>

For example, the following URL cancels a specific process, `{wid}` for a specific supplier, `{vendorId}` in `myRealm`:

```
PATCH{{runtime_URL}}/supplierdatapagination/v4/prod/vendors/{vendorId}/processes/{wid}?realm=myRealm
```

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.

Refer to [Supplier Data API with Pagination Header Parameters \[page 6\]](#) for information on header parameters and [Supplier Data API with Pagination Query and Filter Parameters \[page 7\]](#) for information on query and filter parameters.

The following example shows a sample **request**:

```
{
  "processCancellationRequest": {
    "internalComment": "cancel this process",
    "externalComment": "cancel this process",
    "initiatorUniqueName": "testuser",
    "initiatorPasswordAdapter": "PasswordAdapter",
    "deleted": true
  }
}
```

The following example shows a sample **response**:

```
{
  "status": "OK",
  "statusCode": 202,
  "errorMessages": [
    {
      "errorType": "",
      "message": "",
      "cause": "",
      "resolution": "",
      "errorCode": 0
    }
  ]
}
```

Note

The `processCancellationRequest` endpoint only initiates the cancellation of the process. If you wish to retrieve header field information, decision history, and other information about the process, use the existing Supplier Data API with Pagination `processes` endpoint. This endpoint uses the `GET` method to send a JSON request to your site: `{{runtime_URL}}/supplierdatapagination/v4/prod/vendors/{vendorId}/processes/{wid}`.

Related Information

[Canceling a Qualification or Other Process in the Supplier's Profile](#)

Use of the Supplier Data API with Pagination versions Endpoint

The Supplier Data API with Pagination versions endpoint uses the GET method to send a JSON request to your site. The request retrieves process intake form details or questionnaire details in the latest or a specific version.

Method	Endpoint	Description
GET	<code>{{runtime_URL}}/supplierdatapagination/v4/prod/vendors/{vendorId}/workspaces/questionnaires/{questionnaireId}/qna/versions</code>	Retrieves process intake form details or questionnaire details in the latest version.
GET	<code>{{runtime_URL}}/supplierdatapagination/v4/prod/vendors/{vendorId}/workspaces/questionnaires/{questionnaireId}/qna/versions/{versionId}</code>	Retrieves process intake form details or questionnaire details in a specific version.

For example, the following URL retrieves questionnaire (with document ID Doc12345678) details in the latest version:

```
GET {{runtime_URL}}/supplierdatapagination/v4/prod/vendors/S10028001/workspaces/questionnaires/Doc12345678/qna/versions
```

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 a sample result for a versions endpoint:

```
{
  "versions": [
    {
      "versionId": 3,
      "questionAnswer": [
        {
          "active": true,
          "timeUpdated": 1645159731993,
          "purgeState": null,
          "lastTimePurgeStateUpdated": null,
          "itemId": "7325",
          "alternative": null,
          "externalSystemCorrelationId": "KI_83610",
          "processId": "PI22682",
          "documentId": null,
          "templateDocumentId": "Doc24008",
          "searchTerm": null,
          "answer": "All",
          "enumerationCodeDelimiters": null,
          "dataType": "String",
          "multiValued": true,
          "smVendorId": "S10040001",
          "workspaceType": null,
        }
      ]
    }
  ]
}
```

```

        "workspaceId": "WS24056",
        "type": null,
        "totalQuestions": "7",
        "questionnaireLabel": "Intake form",
        "questionLabel": "Category",
        "answerType": "CommodityType",
        "rootId": null,
        "attachmentData": {
            "fileName": "SMProcessFlowType (2).csv",
            "mimeType": "text/csv",
            "fileContents": null,
            "comment": null,
            "downloadUrl": "http://localhost:8150/Sourcing/
Main/ad/downloadSMAttachment/ariba.sourcing.dashboard.SMMainActionsController?
realm=s4All&docId=Doc21273&parentBid=AAKAQXEYgBd&attachmentBid=AAAKANjEYgBr",
            "fileSize": 176
        },
        "commentData": {
            "attachmentData": {
                "id": "string",
                "fileName": "string",
                "mimeType": "string",
                "fileContents": "string",
                "comment": "string",
                "downloadUrl": "",
                "fileSize": 0
            },
            "certificateData": {
                "attachmentData": {
                    "id": "string",
                    "fileName": "string",
                    "mimeType": "string",
                    "fileContents": "string",
                    "comment": "string",
                    "downloadUrl": "",
                    "fileSize": 0
                }
            }
        },
    ],
    "vendorInfo": {
        "smVendorId": "S10040001",
        "erpVendorId": "VDR160209",
        "acmId": "ACM_63"
    },
    "questionnaireVersion": {
        "id": 0,
        "timeUpdated": "string",
        "timeCreated": "string",
        "timeSubmitted": "string",
        "submittedFor": "string",
        "submittedBy": "string",
        "submittedForFullName": "string",
    }
}

```

Related Information

[Retrieving Process Intake Form Details or Questionnaire Details in a Specific Version Using the Supplier Data API with Pagination \[page 73\]](#)

[Updating Process Intake Form Answers Using the Supplier Data API with Pagination \[page 74\]](#)

Use of the Supplier Data API with Pagination jobs Endpoint

The Supplier Data API with Pagination jobs endpoint uses the `GET` method to send a JSON request to your site. The request fetches the process creation status for one or more suppliers.

Method	Endpoint	Description
GET	<code>{{runtime_URL}}/supplierdatapagination/v4/prod/jobs/{jobId}</code>	Fetches process creation status for one or more supplier using the job ID.

Note

`jobId` is a value of type 'string' returned in the response when you execute the following endpoint to create a process for one or more suppliers at a time: `{{runtime_URL}}/supplierdatapagination/v4/prod/processes/processCreateRequests`

For example, the following URL fetches process details for one or more suppliers in *myRealm*:

```
GET {{runtime_URL}}/supplierdatapagination/v4/prod/jobs/{jobId}?realm=myRealm
```

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.

Refer to [Supplier Data API with Pagination Header Parameters \[page 6\]](#) for information on header parameters and [Supplier Data API with Pagination Query and Filter Parameters \[page 7\]](#) for information on query and filter parameters.

The following example shows a sample **response** for the jobs endpoint:

```
{
  "jobInfo": {
    "jobId": "abcd1234",
    "status": "success",
    "processes": [
      {
        "vendorInfo": {
          "smVendorId": "S1234",
          "erpVendorId": "VDR1234",
          "anId": "acn1234",
          "acmId": "string"
        },
        "processId": "WS1234",
        "status": "In Progress",
        "isRenew": true,
        "processType": "Audit Process"
      }
    ],
    "matrixCriteria": {
      "categoryList": [
        "71",

```

```

    "51"
  ],
  "regionList": [
    "USA",
    "INDIA"
  ],
  "departmentList": [
    "408",
    "1000"
  ],
  "materialList": [
    0
  ]
},
"createdBy": "testuser",
"timeUpdated": "1664772985",
"timeCreated": "1664772985"
}
}

```

Related Information

[Use of the Supplier Data API with Pagination processCreateRequests Endpoint \[page 56\]](#)

Workflows for the Supplier Data API with Pagination

[Updating Expiration Dates or Due Dates of Modular Questionnaires Using the Supplier Data API with Pagination \[page 65\]](#)

[Update of a Questionnaire Using the Supplier Data API with Pagination \[page 66\]](#)

[Retrieval of Certificate Attachments from Supplier Management Questionnaires Using the Supplier Data API with Pagination and the External Approval API for Sourcing and Supplier Management \[page 68\]](#)

[Development of a Client Application for External Approval of Modular Questionnaires in Process Projects \[page 69\]](#)

[Making or Updating Decisions for Process Projects Using the Supplier Data API with Pagination and the External Approval API for Sourcing and Supplier Management \[page 70\]](#)

[Retrieving Process Header Field Information and Process Decision History Using the Supplier Data API with Pagination \[page 72\]](#)

[Retrieving Process Intake Form Details or Questionnaire Details in a Specific Version Using the Supplier Data API with Pagination \[page 73\]](#)

[Updating Process Intake Form Answers Using the Supplier Data API with Pagination \[page 74\]](#)

[Retrieving Intake Form Using the Supplier Data API with Pagination \[page 76\]](#)

[Retrieving the List of Active Modular Questionnaires for a Process Type Using the Supplier Data API with Pagination \[page 76\]](#)

[Creating a Process for a Supplier Using the Supplier Data API with Pagination \[page 77\]](#)

Updating Expiration Dates or Due Dates of Modular Questionnaires Using the Supplier Data API with Pagination

This topic explains how to use the Supplier Data API with Pagination to update expiration dates or due dates of modular questionnaires for a supplier.

Prerequisites

- To update the expiration date of a modular questionnaire, the modular questionnaire must be in the **Approved** status.
- To update the due date of a modular questionnaire, the modular questionnaire must be in the in progress status.

Context

Updating the expiration date doesn't change the existing expiration schedule. The system recalculates the new expiration date based on the expiration schedule on the next approval of the modular questionnaire.

You can prolong or shorten the due date of a modular questionnaire.

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. Use the `questionnaire` endpoint to request document IDs of modular questionnaires. For example, to return details of all modular questionnaires for the supplier with SM vendor ID `S10028001`:

```
GET {{runtime_URL}}/supplierdatapagination/v4/prod/vendors/S10028001/workspaces/questionnaire
```

2. Use the `questionnaires/{questionnaireId}` endpoint to post an update to the expiration date or due date of a modular questionnaire. For example, to update the expiration date or due date of the modular questionnaire with document ID `Doc12345678`:

```
PATCH {{runtime_URL}}/supplierdatapagination/v4/prod/vendors/S10028001/workspaces/questionnaires/Doc12345678
```

Results

If the expiration date is updated, the expiration date is displayed in the supplier 360° profile, and the modular questionnaire expires on a new date which is calculated based on the existing expiration schedule on the next approval of the modular questionnaire.

If the due date is updated, the due date is displayed in the supplier interface, and the supplier must answer the modular questionnaire by the end of the new date. Otherwise, the modular questionnaire is closed.

Related Information

[Use of the Supplier Data API with Pagination questionnaires Endpoint \[page 33\]](#)

Update of a Questionnaire Using the Supplier Data API with Pagination

This topic explains how to 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. 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 `questionnaireId` 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}}supplierdatapagination/v4/prod/vendorDataRequests/?  
realm={{realmName}}
```

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

```
GET {{runtime_URL}}supplierdatapagination/v4/prod/vendors/S11284494/workspaces/  
questionnaires/qna
```

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

```
POST {{runtime_URL}}supplierdatapagination/v4/prod/vendors/S1128494/workspaces/  
questionnaires/Doc12345678/answers/?realm={{realmName}}
```

The request body dictates what updates to make and whether the updates triggers approval tasks:

- To update the answer to a question and to trigger the associated approval tasks, pass its `externalSystemCorrelationId`, new answer, and include `triggerApprove: true` in the `answers` block. For example:

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

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

```
{ "answers": [ {
  "externalSystemCorrelationId": "KI_1694841",
  "attachmentAnswer":
    {
      "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.

- **For modular questionnaires and registration questionnaires only**, to trigger any approval tasks in the current phase of the questionnaire so that approvers must approve the update, pass a `triggerApprove` value of `true` after the `answers` block:

```
{
  "answers": [
    {
      "externalSystemCorrelationId": "KI_9951113",
      "answer": "New answer"
    }
  ],
  "triggerApprove" : true
}
```

If `triggerApprove` is `false` or isn't present in the request, or if the questionnaire is of a type other than modular questionnaire or registration questionnaire, the request automatically updates the specified answers without starting any approval tasks.

Related Information

[Use of the Supplier Data API with Pagination vendorDataRequests Endpoint \[page 14\]](#)

[Use of the Supplier Data API with Pagination qna Endpoint \[page 37\]](#)

[Use of the Supplier Data API with Pagination answers Endpoint \[page 39\]](#)

Retrieval of Certificate Attachments from Supplier Management Questionnaires Using the Supplier Data API with Pagination and the External Approval API for Sourcing and Supplier Management

This topic explains how to retrieve certificate attachments from supplier management questionnaires.

Prerequisites:

Before starting this task, you must:

- Obtain separate application keys for both the Supplier data API with Pagination and External Approval API for Sourcing and Supplier Management.
- Complete prerequisites for use of these two APIs.

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.

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

```
GET {{runtime_URL}}supplierdatapagination/v4/prod/vendorDataRequests/?  
realm=mysitename
```

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}}supplierdatapagination/v4/prod/vendors/SM100015/certificates/?  
realm=mysitename
```

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 associated with the certificate-related workspace for the supplier. For example:

```
GET {{runtime_URL}}supplierdatapagination/v4/prod/vendors/SM100015/workspaces/  
WS9050423/questionnaires/qna/?realm=mysitename
```

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 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

[Use of the Supplier Data API with Pagination qna Endpoint \[page 37\]](#)

[Use of the Supplier Data API with Pagination certificates Endpoint \[page 42\]](#)

[Use of the Supplier Data API with Pagination vendorDataRequests Endpoint \[page 14\]](#)

Development of a Client Application for External Approval of Modular Questionnaires in Process Projects

This topic explains how to develop a client application that uses the Supplier Data API with Pagination and the External Approval API for Sourcing and Supplier Management to enable external approval of modular questionnaires in process projects.

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 following workflow describes API-based external approval of modular questionnaires in process projects.

1. A template creator in your organization [enables API-based external approval](#) in the process project template. This enablement includes creating a placeholder approval task on the process project intake form and specifying the external tasks for modular questionnaires that will use API-based external approval as predecessors.
2. In the process project framework, completion of approvals for predecessors triggers API-based approval for those modular questionnaires for which it is enabled.
3. The client application uses the `GET vendors / {vendorId} / processes / {wid}` endpoint to get the process project workspace ID.

4. The client application uses the `GET /Workspaces/` endpoint and the process project workspace ID to retrieve the IDs (`externalWorkspaceIDs`) of the linked modular questionnaires. For example:

```
GET {{runtime_URL}}/sourcingapproval/v1/prod/Workspace/WS1312882411?
realm=mysitename
```

5. The client application uses these IDs to retrieve questionnaire details, attachments, completed approvals, and other information for the linked modular questionnaires. The output of the `GET /Workspaces/` endpoint for the linked modular questionnaires includes the document ID of the intake form in the associated process project. For example:

```
"entityType": "RFXDocument",
"projectItemType": "Document",
"isProcessIntakeForm": true,
"format": "Questionnaire",
"title": "Strategic Qualification Intake Form",
"version": "v1",
"aribaType": "ariba.sourcing.rfx.RFXDocument",
"workspaceTitle": "Strategic Qualification Process",
"id": "Doc13138903",
```

6. Approvers complete approvals in the external system.
7. The client application returns approval results and comments to SAP Ariba.
8. Once approvals for all required modular questionnaires in a process project are complete, either a decision maker can manually make a final status decision for the process or automatic status assignment rules can assign a final status.

Making or Updating Decisions for Process Projects Using the Supplier Data API with Pagination and the External Approval API for Sourcing and Supplier Management

This topic explains how to make decisions or update existing decisions for process projects in the external system by using the Supplier Data API with Pagination and External Approval API.

Prerequisites

Before starting this task, you must:

- Obtain separate application keys for both the Supplier data API with Pagination and External Approval API for Sourcing and Supplier Management.
- Complete prerequisites for use of these two APIs.

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

Using the External Approval API to get the SM vendor ID and workspace ID

1. Get the task ID of the process project approval task by using the `GET /pendingApprovables` endpoint.
2. Request task details by using the `GET /Task/{entity_id}` endpoint.

entity_id: specifies the task ID obtained using the `GET /pendingApprovables` endpoint.

3. Get the workspace ID of the process project from the task details.

The obtained `workspaceId` value might be `WS17840`.

4. Get the SM vendor ID by using the `GET /{entity_type}/{entity_id}` endpoint.

For example:

```
GET {{runtime_URL}}/Sourcing/v2/entity.svc/Workspace/WS17840?realm=mysitename
```

might retrieve `smVendorID S1006001`.

- **entity_type**: specifies the type of entity you use.
- **entity_id**: specifies the workspace ID obtained from the task details.

Note

In the response of `GET /{entity_type}/{entity_id}`, you can also get the decision-maker group, which needs to be filled in the `decisionMadeBy` field.

Using the Supplier Data API with `headerFields` endpoint to make or update a decision

5. Make a decision or update an existing decision status by using the `/{vendorId}/workspaces/{workspaceId}/headerFields` endpoint.

For example:

```
GET {{runtime_URL}}/SM/rest/supplierdatapagination/v4/prod/vendors/S1006001/workspaces/WS17840/headerFields?realm=mysitename
```

- **vendorId**: specifies the SM vendor ID obtained by using the `GET /{entity_type}/{entity_id}` endpoint.
- **workspaceId**: specifies the workspace ID obtained from the task details.

The following example shows the JSON request for making a decision or updating an existing decision status:

```
{
  "regionIds": [],
  "materialIds": [],
```

```
"decisionStatus": "Approved",
"decisionMadeBy": "eric",
"decisionComment": "Approved by Eric via API"
}
```

Users need to specify the `decisionStatus`, `decisionMadeBy`, and `decisionComment` fields and leave `regionIds` and `materialIds` empty. For details about the field description, refer to the table in [Use of the Supplier Data API with Pagination headerFields Endpoint \[page 48\]](#).

6. Decision-makers complete decision-making in the external system.
7. The decision-making results and comments are sent to your site.

Related Information

[Use of the Supplier Data API with Pagination headerFields Endpoint \[page 48\]](#)

Retrieving Process Header Field Information and Process Decision History Using the Supplier Data API with Pagination

This topic explains how to use the `processes` endpoints to retrieve process header field information and process decision history.

Prerequisites

You already have the SM vendor ID of the supplier whose process header field information is to be retrieved.

Procedure

1. Use the `processes` endpoint to request all workspace IDs for a supplier. For example, to return header field information about all processes for the supplier with SM vendor ID `s10028001`:

```
GET {{runtime_URL}}/supplierdatapagination/v4/prod/vendors/S10028001/processes
```

2. Use the `processes/{wid}` endpoint to request header field information and decision history for a process. For example, to return header field information for the process with workspace ID `ws19708`:

```
GET {{runtime_URL}}/supplierdatapagination/v4/prod/vendors/S10028001/process/WS19708
```


Results

The process header field information and decision history are displayed in the response.

Related Information

[Use of the Supplier Data API with Pagination processes Endpoint \[page 49\]](#)

Retrieving Process Intake Form Details or Questionnaire Details in a Specific Version Using the Supplier Data API with Pagination

This topic explains how to use the `versions` endpoints to retrieve process intake form details or questionnaire details in a specific version.

Prerequisites

You already have the SM vendor ID of the supplier whose information is to be retrieved.

Procedure

1. Use the `processes` endpoint to request all process IDs for a supplier. For example, to return basic information about all processes for the supplier with SM vendor ID `S10028001`:

```
GET {{runtime_URL}}/supplierdatapagination/v4/prod/vendors/S10028001/processes
```

2. Use the `processes/{wid}` endpoint to request the documentation ID of the process intake form or questionnaire. For example, to return details for the process with workspace ID `WS19708`:

```
GET {{runtime_URL}}/supplierdatapagination/v4/prod/vendors/S10028001/processes/WS19708
```

3. Use the `versions` endpoint to request intake form details or questionnaire details in the latest version. For example, to return details of the intake form with document ID `Doc12345678` for the supplier with SM vendor ID `S10028001`:

```
GET {{runtime_URL}}/supplierdatapagination/v4/prod/vendors/S10028001/workspaces/questionnaires/Doc12345678/qna/versions
```

The process intake form details in the latest version are returned in the response. According to the latest version ID, you can know the number of versions that the intake form has.

4. **Optional:** Use the `versions/{versionId}` endpoint to request intake form details or questionnaire details in a specific version, for example, version 3.

```
GET {{runtime_URL}}/supplierdatapagination/v4/prod/vendors/S10028001/workspaces/questionnaires/Doc12345678/qna/versions/3
```

Results

Intake form details or questionnaire details in the specific version are displayed in the response.

Related Information

[Use of the Supplier Data API with Pagination processes Endpoint \[page 49\]](#)

[Use of the Supplier Data API with Pagination versions Endpoint \[page 61\]](#)

Updating Process Intake Form Answers Using the Supplier Data API with Pagination

This topic explains how to use the Supplier Data API with Pagination endpoints to update answers in intake forms of supplier management processes.

Prerequisites

The supplier management process to be updated must be in the pending decision or the decided status (approved, denied, or conditionally approved).

You already have the SM vendor ID of the supplier whose process intake form answers are to be updated.

Context

The category, region, and department values cannot be updated. If you change any of the values, an error is returned.

The expiration date can be newly added, prolonged, or shortened.

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. Use the `processes` endpoint to request all workspace IDs for a supplier. For example, to return basic information about all processes for the supplier with SM vendor ID `S10028001`:

```
GET {{runtime_URL}}/supplierdatapagination/v4/prod/vendors/S10028001/processes
```

2. Use the `processes/{wid}` endpoint to request the documentation ID of the process intake form for a specific process. For example, to return details for the process with workspace ID `ws19708`:

```
GET {{runtime_URL}}/supplierdatapagination/v4/prod/vendors/S10028001/processes/WS19708
```

3. Use the `versions` endpoint without specifying any version ID in the request body to request intake form details in the latest version. For example, to return details of the intake form with document ID `Doc12345678` for the supplier with SM vendor ID `S10028001`:

```
GET {{runtime_URL}}/supplierdatapagination/v4/prod/vendors/S10028001/workspaces/questionnaires/Doc12345678/qna/versions
```

The process intake form details in the latest version are returned in the response. According to the latest version ID, you can know the number of versions that the intake form has.

4. **Optional:** Use the `versions/{versionId}` endpoint to request intake form details in a specific version, for example, version 3.

```
GET {{runtime_URL}}/supplierdatapagination/v4/prod/vendors/S10028001/workspaces/questionnaires/Doc12345678/qna/versions/3
```

5. Use the `answers` endpoint to post an update to answers in the intake form. For example, to update answers in intake form with document ID `Doc12345678`:

```
POST {{runtime_URL}}/supplierdatapagination/v4/prod/vendors/S10028001/workspaces/questionnaires/Doc12345678/answers
```

After a successful update, a new version of the process intake form is created.

Results

Buyers can view the intake form details of the latest version in the supplier 360° profile.

Related Information

[Use of the Supplier Data API with Pagination processes Endpoint \[page 49\]](#)

[Use of the Supplier Data API with Pagination versions Endpoint \[page 61\]](#)

[Use of the Supplier Data API with Pagination answers Endpoint \[page 39\]](#)

Retrieving Intake Form Using the Supplier Data API with Pagination

This topic explains how to use the Supplier Data API with Pagination to retrieve the intake form for a process type.

Procedure

1. The client application retrieves the list of processes using the `processes/processTypes` endpoint. For example, to return a list of processes in your site:

```
GET {{runtime_URL}}/supplierdatapagination/v4/prod/processes/processTypes
```

2. The client application retrieves the intake form for the process type using the `processes/{processType}/templates` endpoint. For example, to retrieve the intake form:

```
GET {{runtime_URL}}/supplierdatapagination/v4/prod/processes/{processType}/templates
```

Results

The intake form for the process type is displayed in the response.

Retrieving the List of Active Modular Questionnaires for a Process Type Using the Supplier Data API with Pagination

This topic explains how to use the Supplier Data API with Pagination to retrieve the list of modular questionnaire templates for a process type. The request body contains the matrix fields `categoryId`, `regionId`, `departmentId`, and `templateId`. All the active modular questionnaire templates, including mandatory templates, for this combination are returned.

Procedure

1. The client application retrieves the list of processes using the `processes/processTypes` endpoint. For example, to return a list of processes in your site:

```
GET {{runtime_URL}}/supplierdatapagination/v4/prod/processes/processTypes
```

2. The client application retrieves the modular questionnaire templates for the specified matrix combination and process type using the `processes/{processType}/modularQuestionnairesRequests` endpoint. For example:

```
POST {{runtime_URL}}/supplierdatapagination/v4/prod/processes/{processType}/modularQuestionnairesRequests
```

Results

The modular questionnaire templates for the specified matrix combination and process type are displayed in the response.

Creating a Process for a Supplier Using the Supplier Data API with Pagination

This topic explains how to use the Supplier Data API with Pagination to create a process for a supplier.

Procedure

1. The client application retrieves the supplier ID and supplier contact information using the endpoint `vendorDataRequest`. In general, it returns the data specified in request body filters for all suppliers, with or without IDs for their associated questionnaires

```
POST {{runtime_URL}} /supplierdatapagination/v4/prod/vendorDataRequests
```

2. The client application retrieves the list of processes using the `processes/processTypes` endpoint. For example, to return a list of processes in your site:

```
GET {{runtime_URL}}/supplierdatapagination/v4/prod/processes/processTypes
```

3. The client application retrieves the intake form for the process type using the `processes/{processType}/templates` endpoint. For example, to retrieve the intake form:

```
GET {{runtime_URL}}/supplierdatapagination/v4/prod/processes/{processType}/templates
```

4. The client application retrieves the modular questionnaire templates for the specified matrix combination and process type using the `processes/{processType}/modularQuestionnairesRequests` endpoint. For example:

```
POST {{runtime_URL}}/supplierdatapagination/v4/prod/processes/{processType}/modularQuestionnairesRequests
```

5. The client application creates the process for the supplier specified using the `/processes/{processType}/processCreateRequests` endpoint. For example:

```
POST {{runtime_URL}}/supplierdatapagination/v4/prod/processes/{processType}/processCreateRequests
```

Results

The process is created for the specified supplier.

Retrieving Attachments from Process Intake Forms or Modular Questionnaires Using the Supplier Data API with Pagination

This topic explains how to use the Supplier Data API with Pagination to download attachments from process intake forms or modular questionnaires.

Prerequisites

- 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 have or obtain the SM vendor ID of the supplier whose information is to be retrieved.

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.

Procedure

1. Use the `processes` endpoint to request all process IDs for a supplier. For example, to return basic information about all processes for the supplier with SM vendor ID S10028001:

```
GET {{runtime_URL}}/supplierdatapagination/v4/prod/vendors/S10028001/processes
```

2. Use the `processes/{wid}` endpoint to request the documentation ID of the process intake form or questionnaire. For example, to return details for the process with workspace ID `ws19708`:

```
GET {{runtime_URL}}/supplierdatapagination/v4/prod/vendors/S10028001/processes/WS19708
```

3. Use the `versions` endpoint to request intake form details or questionnaire details in the latest version. For example, to return details of the intake form with document ID `Doc12345678` for the supplier with SM vendor ID `S10028001`:

```
GET {{runtime_URL}}/supplierdatapagination/v4/prod/vendors/S10028001/workspaces/questionnaires/Doc12345678/qna/versions
```

The process intake form details in the latest version are returned in the response. According to the latest version ID, you can know the number of versions that the intake form has.

4. **Optional:** Use the `versions/{versionId}` endpoint to request intake form details or questionnaire details in a specific version, for example, version 3.

```
GET {{runtime_URL}}/supplierdatapagination/v4/prod/vendors/S10028001/workspaces/questionnaires/Doc12345678/qna/versions/3
```

5. Use the `{entity_type}/{entity_id}` endpoint to retrieve the details for the intake form or questionnaire, including any attachment IDs. For example, you can retrieve attachment id `Doc12345678`, `AANcAe2G2!4WA`, `AANcAH42!4Wg`.

```
GET {{runtime_URL}}/entity.svc/RFXDcoument/Doc12345678
```

6. Use the `{entity_type}/{entity_id}/attachments/{attachment_id}` endpoint to download the attachment from the intake form or questionnaire. For example:

```
GET {{runtime_URL}}/entity.svc/RFXDcoument/Doc12345678/attachments/Doc12345678,AANcAe2G2!4WA,AANcAH42!4Wg
```

Results

The attachment is downloaded from the specified intake form or modular questionnaire.

Error Messages Returned by the Supplier Data API with Pagination

This topic describes error messages that might be generated for all Supplier Data API with Pagination endpoints as well as error messages specific to the `headerFields` endpoint.

Error Messages Returned by the Supplier Data API with Pagination

Use this information to troubleshoot your queries to the Supplier Data API with Pagination endpoints.

Error code	Message	Description
400	The API key passed in the request is not valid.	The API key passed in the query headers does not match the API key in the OAuth token.
420	Vendor not found	The specified SM vendor ID doesn't match any suppliers.
421	Questionnaire not found	The specified questionnaire ID doesn't match any questionnaires for the specified supplier or specified supplier doesn't have any submitted questionnaires.
422	Invalid or missing workspace ID	The specified workspace ID does not match any projects for the specified supplier or the query requires a workspace ID and it is missing.
423	Invalid Parameter	One of the parameters specified in the URL is invalid.
429	Rate limit error	You have exceeded the maximum permitted query rate. Refer to the developer portal discovery page for this API for the applicable query rates.
431	Version not found	The version you entered doesn't exist. This error message can be returned when you run the <code>versionId</code> endpoint.
504	Gateway Time-out	The server timeout time has been exceeded, possibly due to network traffic or reliability issues. Retry your query.

Error Messages Returned by the Supplier Data API with Pagination `headerFields` Endpoint

Use this information to troubleshoot issues you encountered when making or updating decisions for process projects by using the Supplier Data API with Pagination `headerFields` endpoint.

Error code	Message	Description
400	Invalid process status: testStatus.	The value testStatus you input for the decisionStatus field is not one of the values you defined for the master data ProjectStatus.
400	The user is not in the Decision Maker group configured in the process template: tester.	The value tester you input for the decisionMadeBy field is not one of the values in the Decision Maker group in the process template.
400	'decisionMadeBy' attribute is mandatory to set process status.	You need to specify a value for decisionMadeBy.
400	'decisionComment' attribute is mandatory to set process status.	You need to specify a value for decisionComment.
400	Maximum limit for 'decisionComment' attribute is 255 characters.	The comments you input for the decisionComment field exceed 255 characters.
400	Making or changing a decision is not allowed in the current process status: InProgress	The current process project is processing and you cannot make a decision.
400	Missing or invalid workspaceId	The entered workspace ID is invalid. You need to enter a valid workspace ID.
400	Invalid SM Vendor Id	The entered SM vendor ID is invalid. You need to enter a valid SM vendor ID.
404	Workspace %s Not Found.	The workspace ID is not specified. You need to enter a valid workspace ID.

Version History for the Supplier Data API with Pagination

The Supplier Data API with Pagination has 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
4	Active	2008 (Q3 2020)
3	Deprecated	2008 (Q3 2020)
2	Deprecated	2002 (Q1 2020)
1	Deprecated	2002 (Q1 2020)

Note

This version is called the Supplier Data API and has different endpoints and a separate discovery page on the SAP Ariba developer portal.

The Questionnaires API, which is only available in some data centers, and which was replaced by the Supplier Data API with Pagination, is also deprecated as of the 2002 (Q1 2020) release.

Related Information

[API versioning and deprecation on the developer portal](#)

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U.S. Patent Nos. 6,199,050, 6,216,114, 6,223,167, 6,230,146, 6,230,147, 6,285,989, 6,408,283, 6,499,018, 6,564,192, 6,584,451, 6,606,603, 6,714,939, 6,871,191, 6,952,682, 7,010,511, 7,047,318, 7,072,061, 7,084,998, 7,117,165; 7,225,145; 7,324,936; 7,536,362; 8,364,577; and 8,392,317. Patents pending.

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