



Feature at a Glance

Supplier Data API with Pagination and endpoint for retrieving supplier certificates

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Feature at a Glance

Introducing: Supplier Data API with Pagination and endpoint for retrieving supplier certificates

Ease of implementation

Geographic relevance



High touch

Global

Customer challenge

For applications that use the current supplier data API, the query returns *all* suppliers and questionnaire data that match specified filters. There is no way to control the size of a given result set which can lead to timeouts or difficulty in external systems consuming large data sets.

With the release of the Certificate Management feature, Buyers need the ability to export certificate questionnaire data via API, both for the header level data and associated attachments.

Meet that challenge with SAP Ariba

This feature introduces a new set of API endpoints to provide pagination support and increased flexibility for fetching suppliers, questionnaires, questions and answers, and certificate details.

Experience key benefits

Increased performance of Supplier Data API via pagination support.

Increased flexibility for extracting SLP data using targeted methods via a new set of API endpoints.

Increased data extraction coverage with certificate management now supported.

Solution area

SAP Ariba Supplier Lifecycle and Performance (SLP), SAP Ariba Supplier Information and Performance Management (SIPM) new architecture

Implementation information

This feature is on by default. Sign up to developer portal <https://developer.ariba.com/api/> to access the API. More info: <https://www.ariba.com/de-de/solutions/solutions-overview/platform-solutions/sap-ariba-apis>

Prerequisites and Limitations

None

Feature at a Glance

Introducing: **Supplier Data API with Pagination** and endpoint for retrieving supplier certificates

This feature introduces the Supplier Data API with Pagination. The Supplier Data API with Pagination allows you to retrieve data about suppliers and supplier management questionnaires, including:

- Pagination of returned results for all API endpoints, with specific limits on the number of results per page returned
- 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 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

Specifically, extract supplier and questionnaire details for a given supplier using:

- Pagination for Supplier Data API with a limit of 1000 suppliers per page
- Pagination for Document (Questionnaire) API with a limit of 5 Questionnaires
- Pagination for Question and Answer API for all documents with a limit of 100 questions

Lastly, this feature provides the capability to extract Certificate Data from SLP with header data, relevant Modular Questionnaire contents, and associated attachments. The API returns a paginated list of 100 certificate data sets per page.

You may continue to use your existing API application as-is with the SAP Ariba Supplier Data API. This updated feature does not have any change impact to the existing supplier data and questionnaire API. This feature provides a set of new endpoints and customers can opt in to these APIs with pagination as needed.

Complete List of API Endpoints with Pagination

Type	API	API End point	Pagination limit per page
GET	All Vendor Data	https://itg-openapi.aws.ariba.com:8443/api/supplierdatapagination/v2/prod/smv1/vendors/	1000
GET	All QNA for a given Vendor	https://itg-openapi.aws.ariba.com:8443/api/supplierdatapagination/v2/prod/smv1/vendors/{SM VendorID}/workspaces/documents/qna	100
GET	All QNA for a given Vendor & Workspace	https://itg-openapi.aws.ariba.com:8443/api/supplierdatapagination/v2/prod/smv1/vendors/{SM VendorID}/workspaces/{workspace id}/documents/qna	100
GET	All QNA for a given Vendor & Document	https://itg-openapi.aws.ariba.com:8443/api/supplierdatapagination/v2/prod/smv1/vendors/{SM VendorID}/workspaces/documents/{Document id}/qna	100
GET	All QNA for a given Vendor & workspace & Document	https://itg-openapi.aws.ariba.com:8443/api/supplierdatapagination/v2/prod/smv1/vendors/{SM VendorID}/workspaces/{workspace id}/documents/{Document id}/qna	100
GET	All Documents for a given Vendor	https://itg-openapi.aws.ariba.com:8443/api/supplierdatapagination/v2/prod/smv1/vendors/{SM VendorID}/workspaces/documents	5
GET	All Documents for a given Vendor & Workspace	https://itg-openapi.aws.ariba.com:8443/api/supplierdatapagination/v2/prod/smv1/vendors/{SM VendorID}/workspaces/{workspace id}/documents	5
GET	Document for a given Vendor & Document ID	https://itg-openapi.aws.ariba.com:8443/api/supplierdatapagination/v2/prod/smv1/vendors/{SM VendorID}/workspaces/documents/{Document id}	NA
GET	All Certificates for a given Vendor	https://itg-openapi.aws.ariba.com:8443/api/supplierdatapagination/v2/prod/smv1/vendors/{SM VendorID}/certificates	100

Note - These endpoints will retrieve question and answer data for all question answer types except for Attachment or Certificate, which are not included in results. They also do not retrieve data for text questions with sensitive data masking. You can use the separate certificates endpoint (last entry above) to retrieve Certificate question and answer data.

Supplier Certificate API Details

Fetching supplier certificate data in SM is achieved with the following steps:

- Use the open API to get the list of vendors (/smv1/vendors/). This will provide the specific corresponding SM Vendor IDs
- Pass each vendor ID in the certificates API to get all certificate header data of a specific supplier. This API will return the corresponding workspace id for each of the certificates. This response will have workspace id and SM Vendor ID
 - Format - `https://openapi.aws.ariba.com/api/supplierdatapagination/v2/prod/smv1/vendors/{vendor id}/certificates`
- Use the direct URL (HATEOAS link) in the GET Certificates response to get the modular questionnaire Q&A associated with a certificate.
 - Ex - `https://openapi.ariba.com/api/sourcingapproval/v1/prod/entity.svc/vendors/S1830600/workspaces/WS7999332/documents/qna`
 - This response will have the Doc ID
- Using the returned Doc ID, call S4 GET Document details API:
 - Format - `https://openapi.ariba.com/api/sourcing-approval/v1/prod/{entity_type}/{entity_id}`
 - Ex. - `https://openapi.ariba.com/api/sourcing-approval/v1/prod/entity.svc/RFXDocument/Doc3616747?realm=SLPERP`
 - This response will have the Attachment ID
- Using the returned Attachment ID, call S4 GET Attachment details API to download the attachment itself:
 - Format - `https://openapi.ariba.com/api/sourcing-approval/v1/prod/{entity_type}/{entity_id}/attachments/{attachment_id}`
 - Ex - `https://openapi.ariba.com/api/sourcing-approval/v1/prod/entity.svc/RFXDocument/Doc8746840/attachments/Doc8746840,AANcAe2G2!4WA,AANcAH4G2!4Wg?realm=SLPERP`

Sample Get Certificates API

```
{
  "vendorCertificateApi": {
    "active": true,
    "timeUpdated": 1520968738622,
    "id": "10232608",
    "externalSystemCorrelationId": null,
    "certificationType": null,
    "certificationTypeOther": null,
    "type": "ISO9000",
    "effectiveDate": null,
    "expirationReminderDate": null,
    "expirationDate": null,
    "issueDate": null,
    "certificationNumber": null,
    "authorityInfo": null,
    "certificationName": null,
    "certificationLocation": null,
    "yearValid": null,
    "orgId": null,
    "objId": "AANcAe2GcaJ1Z",
    "contentId": null,
    "fileName": null,
    "fileSize": 0,
    "fileDescription": null,
    "fileAbsolutePath": null,
    "attachmentName": null,
    "description": null,
    "attachment": null,
    "workspaceId": "WS8412752",
    "smVendorId": "S1830600",
    "status": "Pending",
    "qualificationStatus": "InQualification",
    "expirationNotificationWindow": 45,
    "expirationFlag": false,
    "rootId": "68:VCer:197145"
  },
  "links": {
    "QuestionAnswers": {
      "href": "https://mg-portal.aws-studio.com:8443/api/submitter/api/pagination/v2/prod/smv1/vendors/S1830600/workspaces/WS1999332/documents/qna"
    }
  }
}
```

Pagination

```
,
  "page": {
    "size": 5,
    "totalElements": 6,
    "totalPages": 2,
    "number": 0
  }
}
```

https://mg-portal.aws-studio.com:8443/api/submitter/api/pagination/v2/prod/smv1/vendors/S1830600/workspaces/WS1999332/documents/qna

HATEOAS Link to get the Q & A details of the Certificates Modular Questionnaire