



# Feature at a Glance



**New incremental data extraction parameter for the Supplier Data API with Pagination**

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## Feature at a Glance

Ease of implementation  High touch  
Geographic relevance  Global

### Introducing: New incremental data extraction parameter for the Supplier Data API with Pagination

#### Customer challenge

For applications that use the current supplier data API, the query returns *all* suppliers and questionnaire data that match specified filters. The “Supplier Data API with Pagination” release (August 2018) somewhat mitigated the impact this by allowing smaller data sets to be returned in sequence.

However, the API is still returning the *full* data set, which leads to data processing challenges for SLP, as well as external systems who might be forced to cycle through increasing amounts of data comparison each time.

#### Solution area

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

#### Meet that challenge with SAP Ariba

This feature introduces the ability to extract supplier data incrementally using the Supplier Data API with Pagination by adding a new query parameter to retrieve only incremental data changes when fetching suppliers, questionnaires, questions and answers, and certificate details.

#### 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>

#### Experience key benefits

Increased performance of Supplier Data API via incremental data extraction.

Reduce and/or eliminate the need for external systems to process/compare result sets.

#### Prerequisites and Limitations

This feature applicable only to those customers using the Supplier API with Pagination.

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#### Detailed feature information

The underlying Supplier Data, Questionnaire Details, and Certificates API with pagination (SM-8442, SM-7702) remains the same. The following incremental features are added to it:

- There is a new “previousApiCallTime” query parameter specifying a date/timestamp that is added to all API endpoints. This date/timestamp parameter is represented in milliseconds and represents the last queried time stamp. When a subsequent API call is made with this timestamp as part of the URL, the API will only return those records that changed as of this time and afterward up until the current run time.
- The JSON response for these APIs remains the same. The impact of this feature is that the results are filtered based upon the provided time stamp.
- The response (with timestamp) continues to have pagination of the API results. This means that if the number of records delivered (between timestamps) is more than one page then it will be paginated. For example, the current Question and Answer (“qna”) API returns 100 results per page. Therefore if the timestamp-based result contains 500 records, then it will be spread across five pages.
- No additional enablement is needed. If timestamp based data download is needed, then optionally this additional query parameter can be used

# Complete List of API Endpoints with Pagination

Type	API	API End point	Pagination limit per page
GET	All Vendor Data	<a href="https://itg-openapi.aws.ariba.com:8443/api/supplierdatapagination/v2/prod/smv1/vendors/?previousApiCallTime=1521672691876">https://itg-openapi.aws.ariba.com:8443/api/supplierdatapagination/v2/prod/smv1/vendors/?previousApiCallTime=1521672691876</a>	1000
GET	All QNA for a given Vendor	<a href="https://itg-openapi.aws.ariba.com:8443/api/supplierdatapagination/v2/prod/smv1/vendors/{SMVendorID}/workspaces/documents/qna/?previousApiCallTime=1521672691876">https://itg-openapi.aws.ariba.com:8443/api/supplierdatapagination/v2/prod/smv1/vendors/{SMVendorID}/workspaces/documents/qna/?previousApiCallTime=1521672691876</a>	100
GET	All QNA for a given Vendor & Workspace	<a href="https://itg-openapi.aws.ariba.com:8443/api/supplierdatapagination/v2/prod/smv1/vendors/{SMVendorID}/workspaces/{workspace id}/documents/qna/?previousApiCallTime=1521672691876">https://itg-openapi.aws.ariba.com:8443/api/supplierdatapagination/v2/prod/smv1/vendors/{SMVendorID}/workspaces/{workspace id}/documents/qna/?previousApiCallTime=1521672691876</a>	100
GET	All QNA for a given Vendor & Document	<a href="https://itg-openapi.aws.ariba.com:8443/api/supplierdatapagination/v2/prod/smv1/vendors/{SMVendorID}/workspaces/documents/{Document id}/qna/?previousApiCallTime=1521672691876">https://itg-openapi.aws.ariba.com:8443/api/supplierdatapagination/v2/prod/smv1/vendors/{SMVendorID}/workspaces/documents/{Document id}/qna/?previousApiCallTime=1521672691876</a>	100
GET	All QNA for a given Vendor & workspace & Document	<a href="https://itg-openapi.aws.ariba.com:8443/api/supplierdatapagination/v2/prod/smv1/vendors/{SMVendorID}/workspaces/{workspace id}/documents/{Document id}/qna/?previousApiCallTime=1521672691876">https://itg-openapi.aws.ariba.com:8443/api/supplierdatapagination/v2/prod/smv1/vendors/{SMVendorID}/workspaces/{workspace id}/documents/{Document id}/qna/?previousApiCallTime=1521672691876</a>	100
GET	All Documents for a given Vendor	<a href="https://itg-openapi.aws.ariba.com:8443/api/supplierdatapagination/v2/prod/smv1/vendors/{SMVendorID}/workspaces/documents/?previousApiCallTime=1521672691876">https://itg-openapi.aws.ariba.com:8443/api/supplierdatapagination/v2/prod/smv1/vendors/{SMVendorID}/workspaces/documents/?previousApiCallTime=1521672691876</a>	5
GET	All Documents for a given Vendor & Workspace	<a href="https://itg-openapi.aws.ariba.com:8443/api/supplierdatapagination/v2/prod/smv1/vendors/{SMVendorID}/workspaces/{workspace id}/documents/?previousApiCallTime=1521672691876">https://itg-openapi.aws.ariba.com:8443/api/supplierdatapagination/v2/prod/smv1/vendors/{SMVendorID}/workspaces/{workspace id}/documents/?previousApiCallTime=1521672691876</a>	5
GET	Document for a given Vendor & Document ID	<a href="https://itg-openapi.aws.ariba.com:8443/api/supplierdatapagination/v2/prod/smv1/vendors/{SMVendorID}/workspaces/documents/{Document id}/?previousApiCallTime=1521672691876">https://itg-openapi.aws.ariba.com:8443/api/supplierdatapagination/v2/prod/smv1/vendors/{SMVendorID}/workspaces/documents/{Document id}/?previousApiCallTime=1521672691876</a>	NA
GET	All Certificates for a given Vendor	<a href="https://itg-openapi.aws.ariba.com:8443/api/supplierdatapagination/v2/prod/smv1/vendors/{SMVendorID}/certificates/?previousApiCallTime=1521672691876">https://itg-openapi.aws.ariba.com:8443/api/supplierdatapagination/v2/prod/smv1/vendors/{SMVendorID}/certificates/?previousApiCallTime=1521672691876</a>	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 the 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.