



PUBLIC

Document Version: 2608 – 2026-08

Engagement Risk Assessment External Response Import API

SAP Ariba Supplier Risk



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Engagement Risk Assessment External Response Import API

This guide provides details about working with an API to import responses to engagement risk assessments from an external system.

Use the Engagement Risk Assessment External Response Import API to:

- Find assessments that are ready to have responses imported
- Import the responses to those assessments from your external system

This guide applies to:

- SAP Ariba Supplier Risk
- SAP Ariba Supplier Risk, base edition

Endpoints Included in the Engagement Risk Assessment External Response Import API

The Engagement Risk Assessment External Response Import API includes the following endpoints:

Table 1: Endpoints in the Engagement Risk Assessment External Response Import API

Endpoint	Description
GET /assessments/{assessmentName}	For a given assessment name, retrieves the set of suppliers for which the assessment is ready for responses to be imported.
POST /questionnaireResponses	Posts a JSON request that imports responses to the questions in the assessment. The Control type is Vendor.

Prerequisites

- To create an application and request access to use this API, 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](#).

Related Guides:

- [Setting Up SAP Ariba Supplier Risk](#)
- [Help for the SAP Ariba Developer Portal](#)

Workflow for Engagement Risk Assessment External Response Import API

Use this API as part of your engagement request workflow, to import responses to assessments from a system external to SAP Ariba Supplier Risk.

Use this API to

- Find assessments that are ready to have responses imported
- Import the responses to those assessments from your external system

The following steps summarize the process of setting up and using this API within the context of your engagement request workflow.

1. Administrator users perform the following setup tasks:
 - Set parameter values
 - Import data to create a questionnaire type
 - Modify the templates for the modular questionnaires for which you want to import responses
 - Configure a notification schedule for situations where an imported assessment response is expected but none is receivedSee [Setting Up a Modular Questionnaire to Import Supplier Responses from an External System](#).
2. An application developer creates a client application to find the supplier assessments for which new responses need to be imported. This application uses the `GET /assessments/{assessmentName}` endpoint of the Engagement Risk Assessment External Response Import API.

→ Tip

Best practice: set this up as a scheduler application, checking at regular intervals for assessments that are ready for response import.

- See [Using the assessments Endpoint to Find the Supplier Assessments Ready to Import Responses \[page 5\]](#).
3. An application developer configures your client application to use the response from the `GET /assessments/{assessmentName}` endpoint to import response data for the appropriate assessments using the `POST /questionnaireResponses` endpoint of the Engagement Risk Assessment External Response Import API. See [Importing Responses to an Assessment Using the questionnaireResponses Endpoint \[page 6\]](#).
 4. An API administrator registers your client application on the SAP Ariba Developer Portal, which assigns it an OAuth client ID, client secret, and API key. Use the API key in every API call. For more information, see [Help for the SAP Ariba Developer Portal](#).
 5. An engagement requestor creates an engagement request. Based on the requestor's answers to the business details and inherent risk screening questionnaires, required risk controls are assigned to the engagement request. Each control specifies at least one assessment, a questionnaire whose answers will help the risk control reviewer determine the effectiveness of the supplier's risk control in the area addressed by the assessment.
 6. Your client application uses the `GET` endpoint `/assessments/{assessmentName}` to retrieve the list of supplier assessments for which imported responses are needed.
 7. Your client application uses the `POST` endpoint `/questionnaireResponses` to import responses for these assessments from your external system.

8. If no questionnaire response is available for import upon the first attempt, the same supplier assessment is picked up by the `/assessments/{assessmentName}` endpoint next time it is run, because the assessment is still ready to receive an imported response.
9. If, after the defined waiting period, no response has been imported for a given supplier assessment, an email notification alerts members of the Project Owner project groups for engagements that require it.

Using the `assessments` Endpoint to Find the Supplier Assessments Ready to Import Responses

The `GET/assessments/{assessmentName}` endpoint of the Engagement Risk Assessment External Response Import API retrieves information about which supplier assessments are ready for responses to be imported.

Context

A response to an assessment can be imported from an external system when:

- The modular questionnaire template for the assessment is defined to expect responses imported from an external system. See [Setting Up a Modular Questionnaire to Import Supplier Responses from an External System](#).
- For a given supplier, that assessment currently has the status **Waiting for Response**. It might be that the supplier has never responded to this assessment, or that a buyer has requested an updated response.

The `GET/assessments/{assessmentName}` endpoint retrieves the list of suppliers for which a specified assessment is currently **Waiting for Response**.

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. An engagement requestor creates an engagement request, specifying the applicable commodities, regions, and departments.
2. Based on these values and on the requestor's answers to the inherent risk screening questionnaire, required risk controls are assigned to the engagement request. Each control specifies at least one assessment, a questionnaire whose answers will help the control reviewer determine the effectiveness of the supplier's risk control in the area addressed by the assessment.
3. The `GET/assessments/{assessmentName}` endpoint retrieves the list of suppliers for which a specified assessment is currently **Waiting for Response**.

Example:

```
GET {{runtime_URL}}/assessments/someAssessment&realm=mySite
```

Table 2: Request Body Parameters

Name	Required?	Description
realm	Yes	The unique name of the site.
assessmentName	Yes	The unique name of the modular questionnaire being used as a risk assessment.

The request returns an array with identifying information for the suppliers in your site for which the specified assessment is currently in status **Waiting for Response**. Each supplier may have any or all of an SM vendor ID, ANID, or ERP vendor ID. The response array includes all of these values that exist for the supplier. For example:

```
{
  "supplierID": "S100000","AN00000000001","ER123456"
  "status": "readyToImport",
}
```

Importing Responses to an Assessment Using the questionnaireResponses Endpoint

The `/questionnaireResponses` endpoint of the Engagement Risk Assessment External Response Import API imports responses to engagement risk assessments.

Context

Based on the result from the [/assessment endpoint \[page 5\]](#), the `/questionnaireResponses` endpoint imports responses for the relevant supplier assessments.

📌 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. An engagement requestor creates an engagement request. Based on the requestor's answers to the business details and inherent risk screening questionnaires, required risk controls are assigned to the engagement request. Each control specifies at least one assessment, a questionnaire whose answers will help the risk

control reviewer determine the effectiveness of the supplier's risk control in the area addressed by the assessment.

2. The `assessments/{assessmentName}` endpoint retrieves the list of suppliers for which a specified assessment is currently **Waiting for Response**.
3. For each supplier from the response to the `assessments/{assessmentName}` endpoint, the `/questionnaireResponses` endpoint imports the supplier's response to the assessment from the external system.
 - As part of the setup, you defined an **External Field Mapping** (the `fieldMapping`) for each question within a questionnaire for which responses will be imported.
 - In the `POST` body, you specify identifying information about the survey.
 - Within the `answers` block, include the `fieldMapping` for each question and details of the answer.

Example:

```
POST {{runtime_URL}}/questionnaireResponses&realm={{realmName}}
{
  "assessmentName": "Information Security",
  "supplierId": "S1234567",
  "sourceSystem": "ABC123",
  "userId": "??",
  "answers": [
    {
      "fieldMapping": "MQ42.Q12",
      "answerType": "integer",
      "multiValueAnswer": [
        "3000"
      ]
    }
  ]
}
```

- To submit the questionnaire with default answers, use the `markSubmitted` field instead.

Example:

```
POST {{runtime_URL}}/questionnaireResponses&realm={{realmName}}
{
  "assessmentName": "Name PoC",
  "assessmentProjectId": "WS123456789",
  "supplierId": "S12345",
  "sourceSystem": "External System",
  "userId": "id12345",
  "answers": [ ]
}
```

The request returns an error code indicating success or failure of the update operation.

Version History for the Engagement Risk Assessment External Response Import API

Please use the active version of the Engagement Risk Assessment External Response Import API.

API version	Status	As of release
1	Active	2305

Related Information

[Help for the SAP Ariba Developer Portal](#)

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