

PUBLIC

Document Version: 2611 – 2026-11

Configuration Parameter Review API

SAP Ariba Sourcing
SAP Ariba Buying
SAP Ariba developer portal
SAP Ariba APIs

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Content

Configuration Parameter Review API. 3
Reviewing One or More Configuration Parameters Using the Configuration Parameter Review API. 3
Error Messages Returned by the Configuration Parameter Review API. 5

API-Specific Disclaimers and Legal Information. 7

Configuration Parameter Review API

This guide is for a customer developer creating a client application to review the current and default values of SAP Ariba Sourcing and SAP Ariba Buying configuration parameters.

The behavior of SAP Ariba Sourcing and SAP Ariba Buying can be configured in various ways using configuration parameters. This API enables the customer to review the current and default values of these configuration parameters. You can specify which parameters to review by name or description or by using search filters.

This guide applies to:

- SAP Ariba APIs
- SAP Ariba Developer Portal
- SAP Ariba Sourcing
- SAP Ariba Buying

Endpoints Included in the Configuration Parameter Review API

The Configuration Parameter Review API includes the following endpoints:

Endpoint	Description
`GET /parameters`	View all parameters and their information
`GET /parameters/{parameterName}`	View a single parameter and its information

Related Guides

Help for the SAP Ariba Developer Portal

Reviewing One or More Configuration Parameters Using the Configuration Parameter Review API

This procedure describes how to view information about configuration parameters.

Context

Procedure

1. Determine how many parameters you wish to view. If you want to view a single parameter, or all of them, do one of the following:

   - To view a single parameter and its information, use the `GET /parameters/{parameterName}` endpoint.

     ```
     GET {{runtime_URL}}/parameters/{parameterName}?
     realm={realm_name}&includeMetadata={true|false}&consolidate={true|false}
     ```

   - To view all parameters and their information, use the `GET /parameters` endpoint.

     ```
     GET {{runtime_URL}}/parameters?realm={realm_name}&includeMetadata={true|
     false}&consolidate={true|false}
     ```

   > ### 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.

`consolidate`	Set to `true` to include both default and customer defined parameters; set to `false` to include only customer defined parameters. Default is `false`.
`includeMetadata`	Set to `true` to include metadata fields. See Results section below for the list of fields returned by default and when this is `true`. Default is `false`.
`parameterName`	The exact name of the desired parameter. You can get a list of supported parameter names by retrieving all parameters and their information, as described above.

2. To view a subset of parameters, use the `GET /parameters` endpoint and specify the `$filter` parameter or the `$search` parameter.

   - **`$filter`** Limits the response to parameters that match the specified filters.

     ```
     GET
     {{runtime_URL}}/parameters?realm={realm_name}&includeMetadata={true|
     false}&consolidate={true|false}$filter={filter_list}
     ```

   - **`$search`** Limits the response to parameters whose `parameterName` or `description` fields contain the specified string.

     ```
     GET
     {{runtime_URL}}/parameters?realm={realm_name}&includeMetadata={true|
     false}&consolidate={true|false}$search={search_string}
     ```

   The filter list for the `$filter` parameter can query the following fields using the `eq` operator. Specify the exact target value in the filter expression:

`description`	String. The parameter description. For example: `$filter=description eq 'Specifies whether a receipt is required for expense items that are charged to a corporate credit card'`

displayName	String. The parameter name displayed on the user interface. For example: `$filter=displayName eq 'Charge Items Require Receipts'`
isCustomerEditable	Boolean. True if the customer can edit the parameter; otherwise false. For example: `$filter=isCustomerEditable eq true`
isDefault	Boolean. True to retrieve only default parameters. False to retrieve both default parameters and customer defined parameters. For Example: `$filter=isDefault eq true`
parameterName	String. The internal name of the parameter. For example: `$filter=parameterName eq 'Application.Expense.ChargeItemsRequireReceipts'`
parameterType	String. The data type of the parameter. For example: `$filter=parameterType eq 'java.lang.String'`

Results

By default, the response includes the following fields:

- `displayName`
- `isDefault`
- `parameterName`
- `parameterValue`

If you have set `includeMetadata=true`, the following additional fields are included:

- `dataType`
- `defaultValue`
- `isCustomerEditable`
- `description`

Error Messages Returned by the Configuration Parameter Review API

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.
400	`Parameter: {parameter} is not a partitioned parameter`	Your query has attempted to set a system parameter.
400	`Resource not found for Parameter: {parameter}`	Your query includes a parameter that does not exist.

Error Code	Message	Description
401	`Authorization header is missing`	Your OAuth token is invalid or missing.
401	`token not found`	Your OAuth token is invalid or missing.
401	`This client id: {ID} is not authorized to access the realm: {realm} for this API`	Your client application is not authorized to access this API on the specified realm.
401	`The token scopes are not supported by the API`	Your client application is not authorized to use the API endpoints associated with this scope.
403	`Parameter is set as protected`	Protected parameter.
403	`Parameter_API feature is not enabled`	The Configuration Parameter Review API is not enabled in your system.
405	`HTTP Method the client is trying to invoke isn't supported`	Your query uses an HTTP method that is not supported for the specified endpoint.

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