



Feature at a Glance

Planning Collaboration Supplier API

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Feature at a Glance

Introducing: Planning Collaboration Supplier API

Ease of implementation

Geographic relevance



Some complexity

Global

Customer challenge

Currently the Planning API is available only for Buyers with entitlement for SAP Ariba Supply Chain Collaboration for Buyers (SCC). Suppliers with a SCC trading relationship currently don't have access to planning data which can be retrieved from via Planning Collaboration API.

Meet that challenge with SAP Ariba

This feature makes the Planning Collaboration Supplier API available to suppliers.

The planning API allows suppliers to retrieve forecast, suppliers commitments, inventory, and planning data from Ariba Network.

Experience key benefits

Extracting planning data from Ariba Network can be of value for suppliers when feeding this data into homegrown applications, analytics tools for reporting purposes, or other external processing needs.

APIs provide a standardized data access mechanism to extend existing applications, and build new, innovative applications.

Solution area

SAP Ariba APIs
SAP Ariba Developer Portal
SAP Ariba Network
SAP Ariba Supply Chain Collaboration for Buyers

Implementation information

The feature is **automatically on** for all customers with the applicable solutions but requires **customer configuration**.

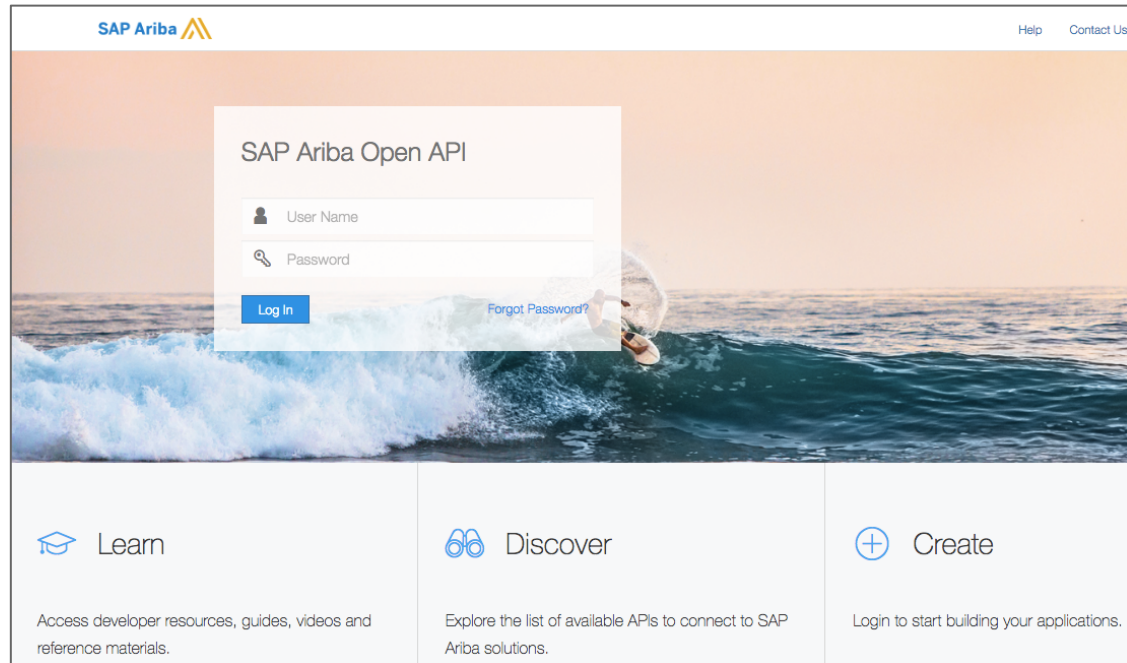
Prerequisites and Restrictions

Your application has to be approved by the SAP Ariba API administration and has to conform to OAuth authentication. For details, see help on "*SAP Ariba Developer Portal*".
Supplier administrators have to add the OAuth Client ID to their profile settings.
Use of Planning Collaboration API via the SAP Ariba Developer Portal is restricted to suppliers with a Supply Chain Collaboration trading relationship.

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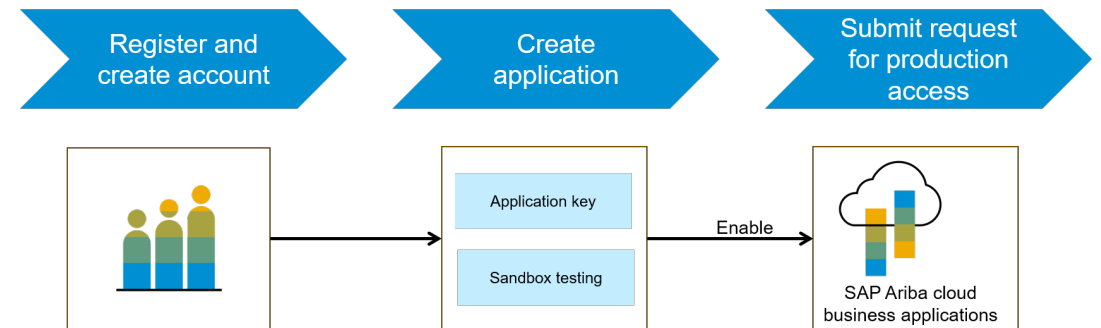
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How to develop an application that consumes the Ariba Network APIs



Go to <https://developer.ariba.com/api/>

Check the **Learn** section to get detailed information on how to develop your application. The process to develop an application generally includes following steps:



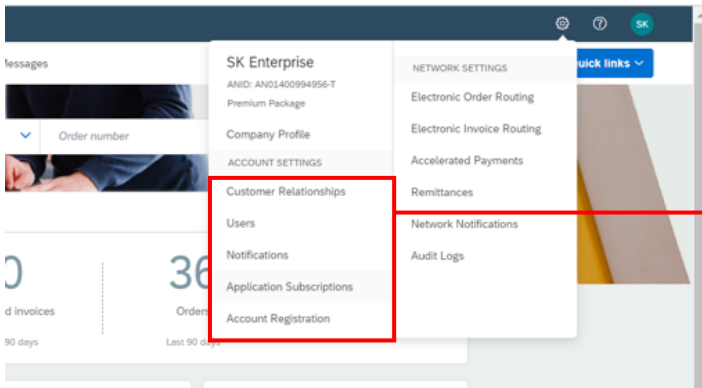
1. Once registered on the Developer portal, explore available APIs under Ariba Network. A detailed description of the API is available.
2. Create a new application and activate the application to get an application key.
3. You'll need to request 'Production access' for your application by submitting a service request on <http://connect.ariba.com>. Upon approval, an OAuth Client ID is generated for the application.
4. As an administrator, add your OAuth Client ID to your profile; see the next page.

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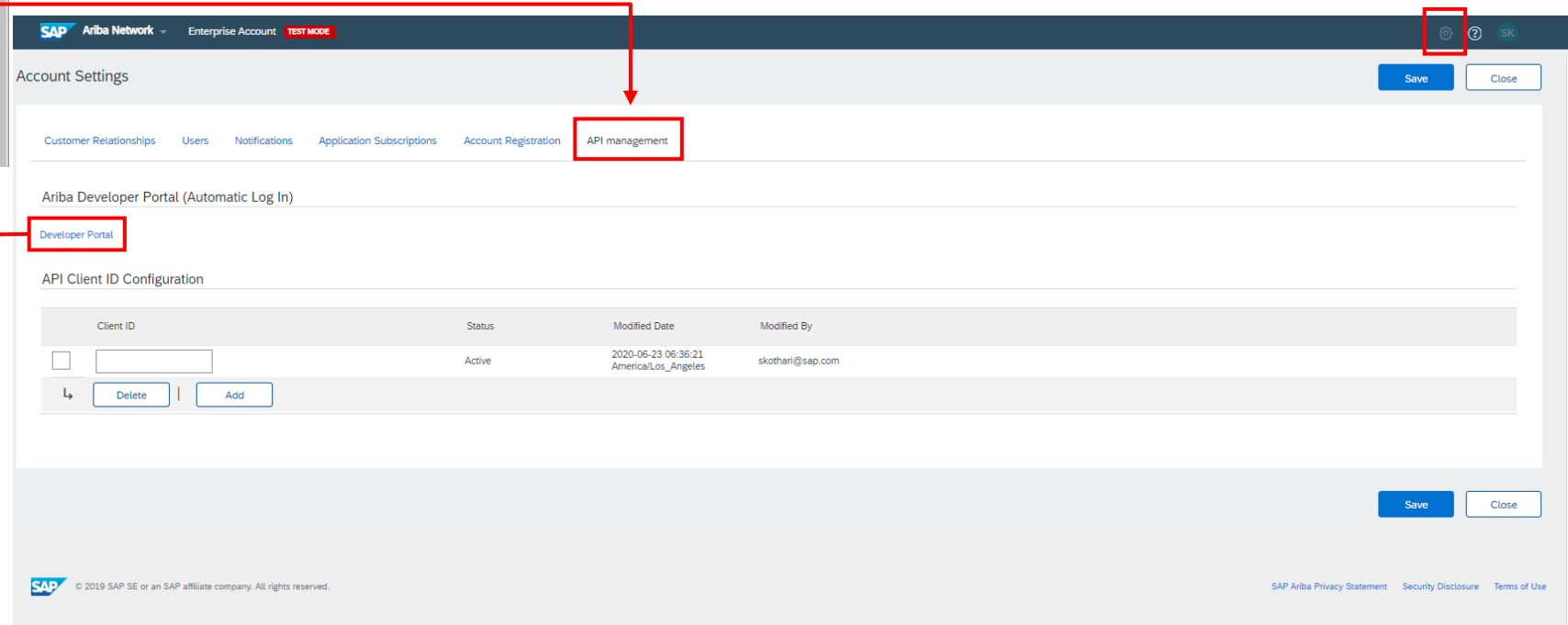
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Supplier Account Settings

In the Ariba Network supplier home page, click on the **Settings** button in the upper right corner, click any of the **Account Settings** options to navigate to the Account Settings page, then select **API management**



The API Client ID Configuration section allows a company to input the Client ID created by the SAP Ariba Developer Portal for the applications they create to access their data via APIs



Direct access to Developer Portal

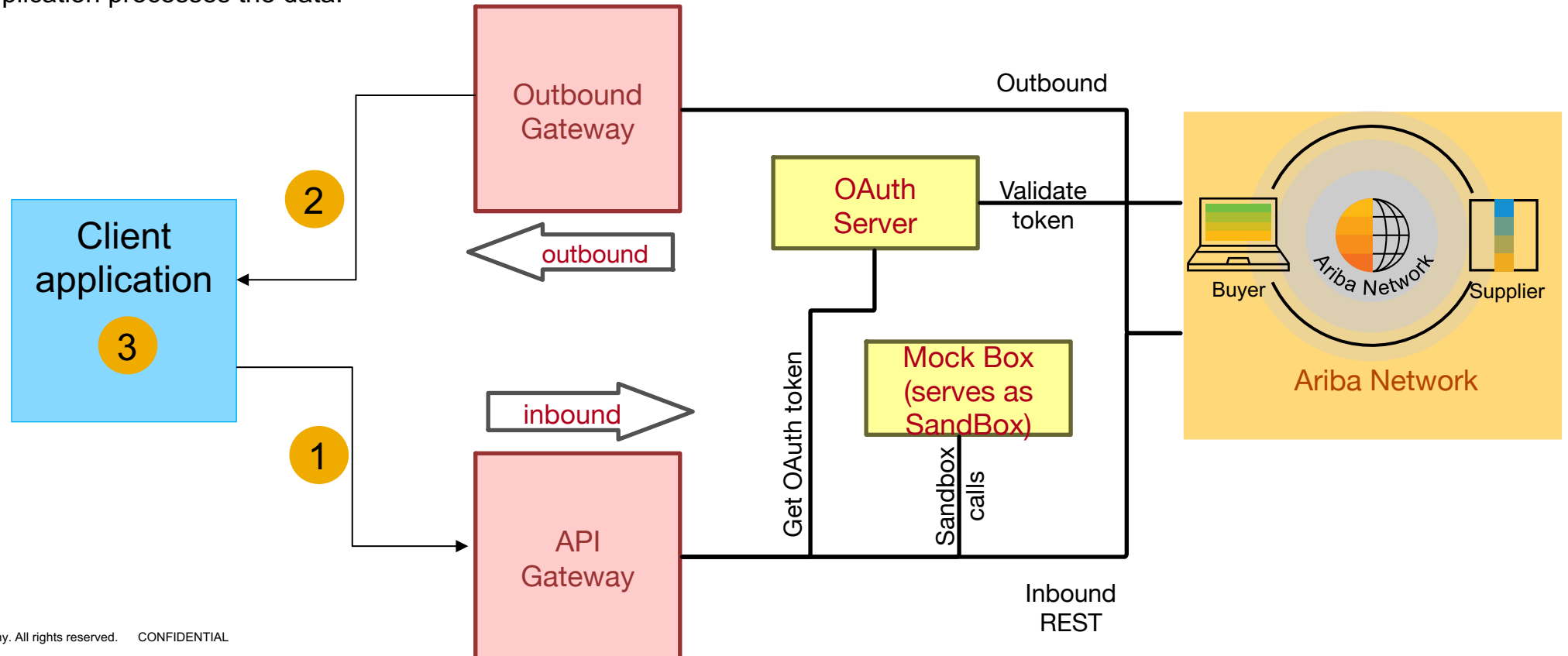
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This API can be useful in scenarios where suppliers want to extract data from Ariba Network, e.g. to generate reports or use the data for other purposes.

Workflow:

1. The client application queries Ariba Network with a defined set of parameters; see code examples on the next but one slide.
2. In response to the query, the API returns a JSON data set that contains all matching records in a formatted structure.
3. The receiving application processes the data.



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Endpoints

With the Planning Collaboration Supplier API, suppliers who are enabled for SAP Ariba Supply Chain Collaboration can retrieve forecast, inventory, and supplier-managed inventory information about their buyers.

This API provides the following endpoints:

- **GET /forecast**

This endpoint retrieves forecast data the buyer has shared and forecast commitment data the supplier has changed.

- **GET /supplierInventory**

This endpoint enables suppliers to make commitments to deliver quantities of goods, to supply upcoming demands forecast by buyers. As a part of this process, suppliers share their inventory data with buyers.

- **GET /supplierManagedInventory**

This endpoint retrieves inventory data about supplier-managed goods that are in their customers' warehouses, matched to buyer demand on each date.

Users may use certain filters as parameters in extension to the endpoint URL; see the API documentation on the Developer Portal for information about the available parameters and syntax.

Also refer to the online documentation, *Planning Collaboration Supplier API* on help.sap.com, for further information.

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Sample code

In the sample code below, 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. The following example retrieves all supplier inventory records for vendor ID 1234 at the North10B plant, and displays 15 records per page.

```
GET {{runtime_url}}/supplierInventory?rsqlfilter=VendorId==1234;plantId==North10B&limit=15
```

2. The following example retrieves all records for vendor ID 9876 of the projected stock demand and planned shipment of material with buyer part number ABCD345. The retrieved data is for the period between the start of business on March 4, 2019, through end of business March 15, 2019. Data is sorted by lead time and displays ten records per page.

```
GET{{runtime_url}}/supplierManagedInventory?rsqlfilter=buyerPartNumber==ABCD345;VendorId==9876;  
startDate==2019-03-04T0800;endDate==2019-03-15T1700;sortCol==LEADTIME&limit=10
```

3. The following example retrieves all supplier forecast records for buyer part number XYZ.5678 dated from June 1, 2019, and June 15, 2019, and displays 20 records per page.

```
GET {{runtime_url}}/forecast?rsqlfilter=buyerPartNumber==XYZ.5678  
;startDate==2019-06-01T0800&endDate==2019-06-15T1700&limit=20
```