SAP Ariba /\\

Feature at a Glance
Ariba Network Purchase Order API

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THE BEST RUN **SAP**

Feature at a Glance
Introducing: **Ariba Network Purchase Order API**

Customer challenge

Currently there is no way for buyers to extract purchase order header and item information from the Ariba Network.

Meet that challenge with
SAP Ariba

The API allows buyers to retrieve purchase order header and item details directly from the Ariba Network to make it available for external use.

Information available via API(s):

- Purchase order header data

- Purchase order item data

Experience key benefits

Purchase order data from the Ariba Network can be of extreme value for buyers in many cases this value is best expressed when feeding such data to external tools or applications that might at times be different from SAP solutions with which SAP Ariba already provides standard integrations.

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

Solution area

SAP Ariba APIs
SAP Ariba Developer Portal
SAP Ariba Network

Implementation information

This feature is **automatically on** for all customers with the applicable solutions and is ready for immediate use.

If the organization uses OAuth authentication the customer should:

- Already be registered on the SAP Ariba Developer Portal.

- Create a client application and request for production access on the SAP Ariba developer portal. Once approved, the client application can access the API.

Prerequisites and Restrictions

This API can be called only by users with a valid Ariba Network ID. Ariba Network must authenticate this ID.
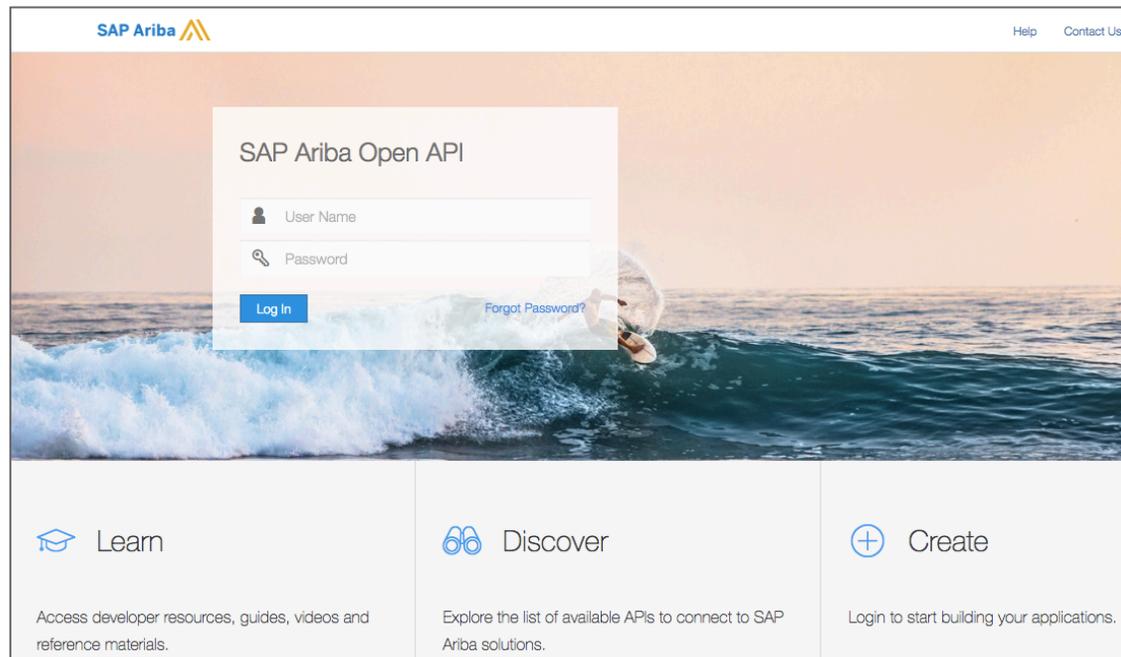
Users have to complete the onboarding process on the SAP Ariba developer portal. Ensure that your application conforms to expected OAuth authentication. Only applications approved by the SAP Ariba APIs administration can execute OAuth authentication.

Administrators have to add the OAuth Client ID to their profile (see next page).

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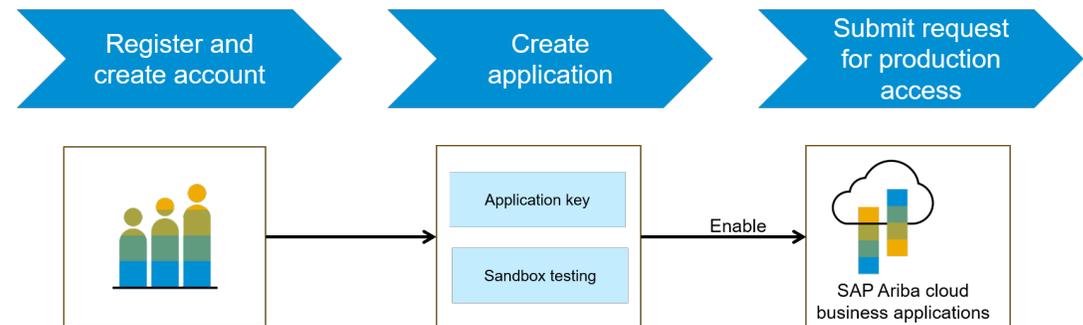
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How to develop an application that consumes the Ariba Network Purchase Order API

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 to find the „Planning collaboration API for Supply Chain Collaboration", a detailed description of the API is available

2. Create a new applicaton 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 of the application.

4. As a buyer administrator, add your OAuth Client ID to your profile, see next page.

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Buyer Administrator profile setting

In the Ariba Network buyer account, click on your account name in the upper right corner in the dashboard and then click *Manage Profile* on the Configuration page select **API Client ID Configuration**

Configuration

Review and update company settings such as contact information, order ro

Personal Information
Locale Settings
Business Application IDs and End Points (cXML and OData Setup)
Cloud Integration Gateway Setup
Company Profile
Company Business Information
Upload Company Logo
Extended Profile Settings and Information
Additional Information
Notifications
Default Transaction Rules
Currency Precision and Rounding
Country-based Invoice Rules
Supplier Self-Nomination
Payment Profile
Ariba Discount Management
Catalog Validation Preferences
Document Number Preferences
Payment Integration Toolkit
Quote Automation
Tax Adjustment Configuration
Early Payment Limits
Manage Business Units
Supply Chain Financing Enablement
API Client ID Configuration
Messaging Configuration
Manage Handling Unit Profile for Ship Notice

When a buyer or supplier administrator adds an OAuth Client ID to this page, APIs that specify that client ID are authorized to retrieve data associated with the ID from Ariba Network

Ariba Network   Help

API Client ID Configuration   [Save] [Close]

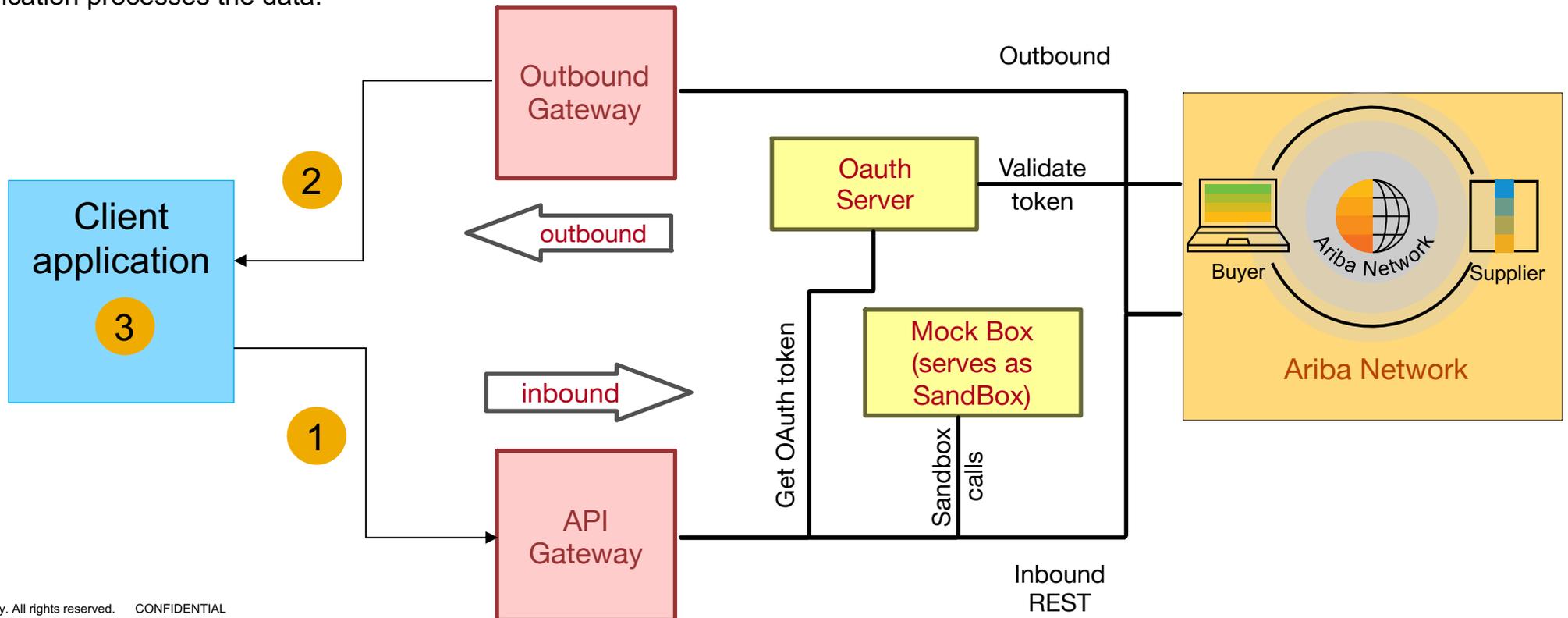|	Client ID	Status	Modified Date	Modified By
☐		Active	2019-03-13 01:24:24 America/Los_Angeles	solexpadmin@lobapjbuyer1.com
↳	[Delete]	[Add]		

[Save] [Close]

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This API can be useful in scenarios where buyers want to combine data from backend systems and the Ariba Network to generate reports for various purposes.

Workflow:
1. Client application retrieves the purchase order header data by calling the /headers API endpoint respectively item level data by calling the /items API endpoint

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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Parameters

API requests can pass multiple <u>parameters</u> in the request URL,
• Header parameters use the following syntax:
header_parameter* eq *value

• The query$filter parameter uses the following syntax, with the word and between multiple parameters to $filter:
$filter=parameter eq value and parameter eq value

• Other query parameters use the following syntax, which is separated from $filter and other query parameters by an ampersand (&).
$filter=filter_parameter eq value&query_parameter=value&query_parameter=value

see also the documentation of APIs on available parameters and syntax.

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.

The following example retrieves the order header data for orderstatus 1234 with the North10B documentNumber, and displays 15 records per page:

```
GET {{runtime_url}}/headers?$filter=orderStatus eq 1234 and documentNumber eq North10B&$top=15
```