

SAP Ariba /

Feature at a Glance

REST APIs to upload bill of materials data to product sourcing and to extract supplier bid data from cost group documents

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Feature at a Glance

Introducing: REST APIs to upload bill of materials data to product sourcing and to extract supplier bid data from cost group documents

Customer challenge

Challenging to extract detailed cost groups prices and cost group line items to external systems for analysis from Ariba sourcing

Solution area

SAP Ariba APIs SAP Ariba developer portal SAP Ariba Strategic Sourcing Suite

Meet that challenge with **SAP** Ariba

SAP Ariba Strategic Sourcing Suite introduces two new open APIs to meet this requirement

1. GET /rfxCostgroups

Returns the list of cost group document IDs for line items for which awards or PIRs are created during a specified date range

2. GET /costgroupDocuments/{costgroupDocumentId} Returns the cost components and the associated cost group terms from the specified document

Experience key benefits

Ease of implementation

Geographic relevance

Customers will now have the ability to export detailed data by

Some complexity

Global

- Cost groups
- Lines items and associated terms within each cost 2 group
- Prices of line items within cost groups and price 3. roll up

to external systems for detailed cost analysis

Implementation information

This feature is automatically on for all customers with the applicable solutions but requires customer configuration

Prerequisites and Restrictions

Customers should have enabled the ability to –

- Create PIR
- Create RFx with cost groups 2.
- All gueries made to this API must be authenticated 3. using OAuth authentication from the developer portal

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Use Cases

Extract cost group data to be consumed in external system for analysis.

Steps -

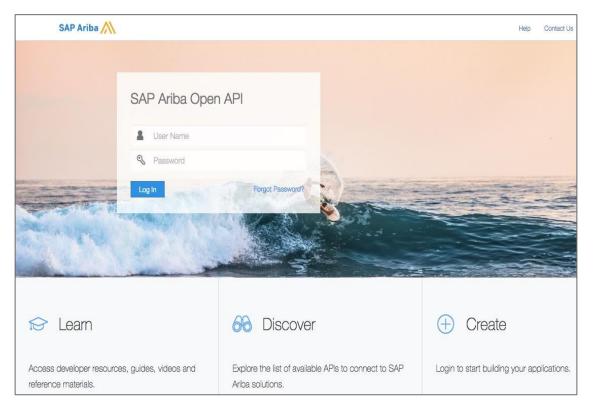
- 1. Create an RFx templates by modeling the cost groups and roll-up structure
- Create a new event by adding line items and publish a event
- 3. Receive responses from the suppliers this response is ready for analysis
- Create a price acceptance scenario, select the required suppliers and line items and create a PIR or accept prices without creating PIR
- 5. Cost group details can now be exported through the API -
 - rfxCostgroups fetch the list of all cost group IDs for the line items/material numbers
 - costgroupDocuments based on the cost group IDs fetch the cost components and price terms for the line items

| All Content Filter | | | | Display: | Responses 🗸 🖬 🕿 |
|-----------------------------|----------------------|---------------------------------------|---------------------------------------|---------------------------------------|---|
| | | Leading | Initial | PK Polymers 🕖 | Sterling Group 🕖 |
| Name † | | Price - Manually copy effective price | Price - Manually copy effective price | Price - Manually copy effective price | e Price - Manually copy effective price |
| ▼ Totals _▼ | Extended Price: | | | | |
| ▼ 1 Pricing _▼ | Extended Price: | | | | |
| 1.1 400627-0622 ▼ [♪ | Less | \$405.60 USD | | \$405.60 USD (1) 📥 | \$490.64 USD (2) |
| Bolt | | | | | |
| | Quantity: | 22 each | 22 each | 22 each | 22 each |
| | Extended Price: | \$8,923.20 USD Fx+ | | \$8,923.20 USD Fx- | \$10,794.08 USD Fx- |
| | Raw Material Cost: | \$100.60 USD | <u>5</u> 2 | \$100.60 USD 🔂 | \$134.64 USD 🛐 |
| | Processing Cost: | \$238.00 USD | <u>5</u> 2 | \$238.00 USD 🔂 | \$312.00 USD 🛐 |
| | Purchased Part Cost: | \$22.00 USD | <u>5</u> 2 | \$22.00 USD | \$30.00 USD 🔂 |
| | Freight Cost: | \$35.00 USD | | \$35.00 USD | \$12.00 USD |
| Miscellaneous Cost: | | \$10.00 USD | | \$10.00 USD | \$2.00 USD |
| Effective Price per Item: | | \$405.60 USD Fx- | | \$405.60 USD Fx- | \$490.64 USD <i>Fx</i> * |
| Plant: | | 1008 | 1008 | 1008 | 1008 |
| Material Code: | | 400627-0622 | 400627-0622 | 400627-0622 | 400627-0622 |
| Material Group: | | MaterialGroup | MaterialGroup | MaterialGroup | MaterialGroup |
| | | | | | |

Feature at a Glance - API Specific

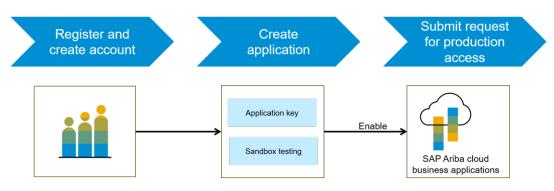
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How to develop an application that consumes the APIs.



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 Strategic Sourcing for a detailed description of the API
- 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 <u>http://connect.ariba.com</u>. Upon approval an OAuth Client ID is generated for the application.
- 4. As a buyer administrator, add your OAuth Client ID to your profile

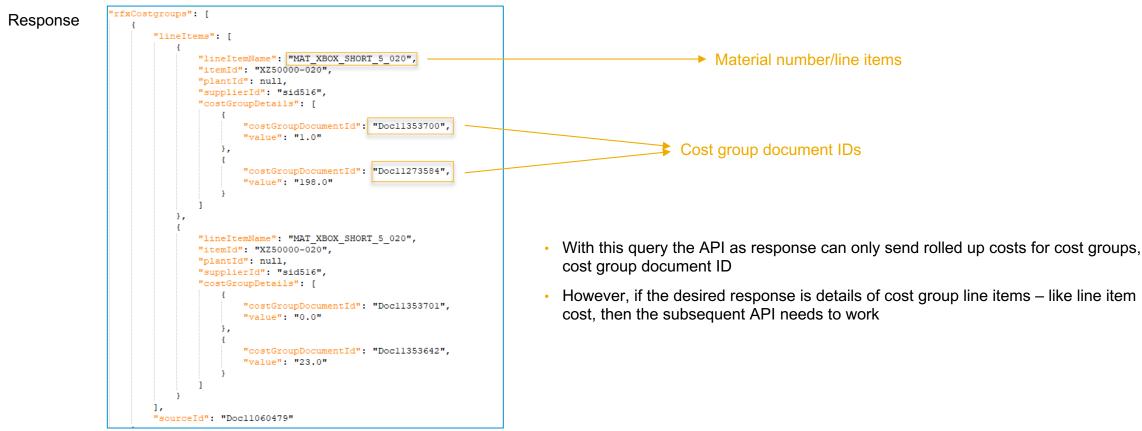
Feature at a Glance - API Specific

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Sample Code

```
GET /rfxCostgroups Returns a list of cost group document ids for materials which were accepted from sourcing event
```

https://openapi.ariba.com/api/cost-breakdown/v1/prod//rfxCostgroups?realm=<realmname> &\$filter=date ge <YYYY-MM-DD> TO <YYYY-MM-DD> 1&\$top=10&\$skip=60&\$count=true



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