



SAP Ariba 

# Feature at a Glance

**Support additional search filters in Custom Forms API, to enable users to incrementally extract form data**

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# Feature at a Glance

Ease of implementation ● High Touch  
Geographic relevance ● Global

## Introducing: Support additional search filters in Custom Forms API, to enable users to incrementally extract form data

### Customer challenge

The Custom Forms API allows form data extraction using the following filters only: Status, Create date, and Form version. As a result, customers cannot do incremental extraction of forms data to receive only changed records. Extracting all forms is too much data and makes reporting and understanding changes very difficult.

### Solution area

This feature applies to:

- SAP Ariba Buying and Invoicing
- SAP Ariba Buying
- SAP Ariba Buying and Invoicing, with Guided Buying capability
- SAP Ariba Buying, with Guided Buying capability.
- SAP Ariba Invoice Management

### Meet that challenge with SAP Ariba

This feature enhances form data extraction via Custom Forms API by introducing additional search filters. In addition to the search filters already available, the following new search filters will be supported:

- Submitted date
- Approved date
- Last updated date

A new Asynchronous API has been introduced as well to allow customers to extract larger datasets in JSON and CSV format.

### Implementation information

This feature is customer configured. Updates to your current API call will need to be made or a new Application created for the Asynchronous API.

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.

### Experience key benefits

Customers can now specify the new filters in the Custom Forms API to understand when a custom form was created, submitted, approved or updated. This will allow incremental extraction of data.

### Prerequisites and Restrictions

#### Restrictions:

- The data can be downloaded as CSV or JSON files for asynchronous APIs only.
- The asynchronous API calls have a maximum file size of 10MB and 10K records max.
- If the data download fails, the API will retry the download for up to 3 times.

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### New Search Filters

1. submittedDate
2. approvedDate
3. lastUpdatedDate
4. createDate

```
{
  "id": 15451,
  "uniqueName": "TEST706",
  "name": "Designer-datatable-prefill-data-",
  "createDate": "2019-09-16T05:25:17.286Z",
  "formId": "19c83305-5662-4418-ac13-8ccd41",
  "formVersion": 1,
  "userId": "cnoll",
  "data": [
```

```
164 ▼ [
165 ▼   {
166     "name": "Scrap- Inventory",
167 ▼   "lookupKeyValue": {
168     "UniqueName": "5240"
169   }
170 }
171 ],
172 "TEST - Denied",
173 "",
174 ""
175 ]
176 ]
177 }
178 ],
179 "status": "Denied",
180 "submittedDate": "2019-09-16T05:25:17.263Z",
181 "approvedDate": null,
182 "lastUpdatedDate": "2019-09-16T05:26:39.606Z"
183 }
184 ],
185 "offset": 0
186 }
```

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### New Search Filters Cont'd

An example API call with the createdDate filter may look like:

`https://openapi.ariba.com/api/customforms/v3/prod/forms/{form_id}/documents?version1&$filter=documentStatus eq 'submitted' and createdDate ge '2019-07-17T09:59:13.622Z'`

- Supported filter operators are as follows:
- lt = less than
- gt = greater than
- eq = equals
- le = less than or equal to
- ge = greater than or equal to
- ne = not equal to