

# SAP Ariba Metadata Scanner

## Installation Requirements

The following document details the installation and configuration requirements to extract the metadata necessary from within SAP Ariba.

This scanner leverages the Swagger | REST open API standard parsing capability in order to discovery entities, schema and relationships in the SAP Ariba tenant.

You must be a licensed customer of SAP Ariba to use this scanner.

### **Contents of the Installation Guide:**

1. This document
2. SQL file that is run as a script to install
  - a. Creates the Swagger | REST application registrations
    - i. These are needed to create the metadata used to create the system type and Taxonomies.
  - b. System Type Model for SAP Ariba
    - i. This is needed to create the system type
3. Swagger files for each REST API of Ariba

### **Installation:**

#### **Setup DataSource in Administration:**

1. Create Data Source in the Admin → Data Source for underlying database connection
  - a. One Data Source needed
2. Enter the following data
  - a. Database Type
  - b. Username
  - c. Password
3. Create Data Source for the Collect Target local SQL database (i.e. dgSAP)
4. Register Data source created in step 3 as a Collect Target
5. Register the Data Source created in steps 1 and 2 as Target Sources
6. Register the required objects in the list above to the appropriate Target Data Source.
7. Build and Refresh each successfully registered object.

8. Confirm data is being returned by looking at the record count on the Target source Table registration.

Using the DSP application Collect, download the above tables or views into a Collect Target (i.e. dgSAP; dgSAP\_APO)

## Install Scanner

1. Run the install script for the SAP Ariba metadata scanner.
  - a. *SAP Ariba ScannerTech\_Install.sql*
2. Move all the Swagger files in to the file location on the application server where the data source SwaggerFiles point to (i.e. D:\SwaggerFiles\)

## Read Swagger Files

1. Navigate to Configuration → Metadata Scanner Technology → Swagger | Rest Applications
  - a. SAP Ariba will be there if the install script in SQL was run successfully

The screenshot displays two configuration screens in SAP Ariba. The top screen, 'Swagger I REST Application', shows a table with one entry: 'SAP Ariba' with 57 records and 6 rows. The bottom screen, 'Swagger Reader', shows a table with 7 entries for various Ariba applications, including Analytics Reporting, Approval, Asset Management, and Contract Compliance, each with associated record counts and row numbers.

| EXTRACT ID                           | APPLICATION MODULE | EXTRACT DESCRIPTION                           | FILENAME |
|--------------------------------------|--------------------|---|----------|
| Ariba Analytics Report Job           | General            | Analytical Reporting - Job Submission API v1  | 1 1 7    |
| Ariba Analytics Reporting Details    | General            | Analytical Reporting - Synchronous API v1     | 1 1 4    |
| Ariba Analytics Reporting Job Result | General            | Analytical Reporting - Job Results API v1     | 1 2 6    |
| Ariba Analytics Reporting View       | General            | Analytical Reporting - View Management API v1 | 1 5 10   |
| Ariba Approval                       | Procurement        | Document Approval API v1                      | 1 7 29   |
| Ariba Asset Management               | Procurement        | Asset Management API v1                       | 1 3 8    |
| Ariba Contract Compliance            | Procurement        | Contract Compliance API v1                    | 1 7 47   |

1. For the SAP Ariba Application, you can now read the metadata from all the Swagger Reader records.
2. This can be done one by one by pressing the **Read** button on the toolbar of the Swagger Reader page.

- Or it can be done in mass by highlighting all the records using the SHIFT and arrows buttons on your keyboard.
- Once all the desired records are highlighted, press the **Read** button to retrieve the metadata from each Extract ID.
- Once completed, the System Type can be created and imported from the System Type Model.

## Create System Type from Model

- Create a new System Type (i.e. SAP Ariba)
- Import the data from the System Type Model SAP Ariba. (SAP Ariba is supplied in the install script).
- Import Model

The screenshot displays the Syniti Metadata Discovery interface. On the left, the 'System Types' table is shown with a filter for 'ariba' applied, resulting in one row: 'SAP Ariba' with the description 'Ariba Supplier Management API', 1074 records, and 0 suppliers. On the right, the 'System Types Import' configuration panel is open, showing settings for the 'Data Source' (dspMetaDataScan), 'Model' (SAP Ariba), and 'Catalog Update' (Export).

| SYSTEM TYPE | DESCRIPTION                   | SYSTEM SUPPLIED |
|-------------|-------------------------------|-----------------|
| SAP Ariba   | Ariba Supplier Management API | 1074 0          |

| Data Source    |                 |
|----------------|-----------------|
| Data Source ID | dspMetaDataScan |
| Import         |                 |

| Model                 |                                     |
|-----------------------|-------------------------------------|
| System Type Model     | SAP Ariba                           |
| Language ID           | English                             |
| Import Model Option   |                                     |
| Import Model Group    |                                     |
| Exclude Client Fields | <input checked="" type="checkbox"/> |
| Import Model          |                                     |

| Catalog Update |  |
|----------------|--|
| Catalog ID     |  |
| Export         |  |

## Add Data Base, Instance and Schemas

- Navigate to Syniti Metadata Discovery application, System Type | Extension page.
- Locate the System Type name created in the steps above.
- Enter Instance and Database information (Instance is typically the business name of the application often just called Ariba. Database is not relevant but some metadata exchange capabilities require it. A Default value of NA or aribaprod will suffice).
- Navigate to the Tables and enter schema information in mass update or individually. (Schema doesn't make sense for cloud based applications; a default of NA or ariba can be used).

## Build Application Module Hierarchy

1. Navigate to the Vertical View of the System Type| Extension created in the steps above.
2. Edit the following fields to the suggested values:
  - a. Scanner Technology = Swagger Reader
  - b. Swagger Application = SAP Ariba
3. Navigate to the Action Settings Tab
  - a. Under the Analysis Action Label
    - i. Click **Create SAP Ariba Taxonomy**
  - b. Results will create the following:
    - i. Navigation of the Application Module Hierarchical Taxonomy on the Horizontal and Vertical Views
    - ii. Searchable flat Taxonomy by Table, Application Module or Transaction (for Ariba's case, API resource paths).