



erwin Data Intelligence Suite

AIMatch Guide

Release v10.2

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AIMatch

The AIMatch engine automatically finds and suggests the best possible table and column matches scores for business terms. These suggestions are scored based on their relevancy against business terms. Based on the match scores, you can then select and associate tables and columns with business terms.

To access AIMatch, go to **Application Menu > Data Literacy > AIMatch**.

The AIMatch page appears. By default, the Configuration tab opens.

Next Schedule Starts In



Job name
Auto Match Business Term-Technical Metadata

Schedule Job On
06-16-2020 11:25

Local Server

Last Executed DateTime
11-03-2020 11:25

Next Schedule DateTime
11-04-2020 11:25

Interval
Every Day

AI Match Threshold (%)
70

please provided AIMatch Treshold above 70, for good (%) results

Send Email

Update Delete

Using the AIMatch engine involves:

1. [Associating metadata for AI matching](#)
2. [Configuring AIMatch job](#)
3. Associating [table](#) and [column](#) matches

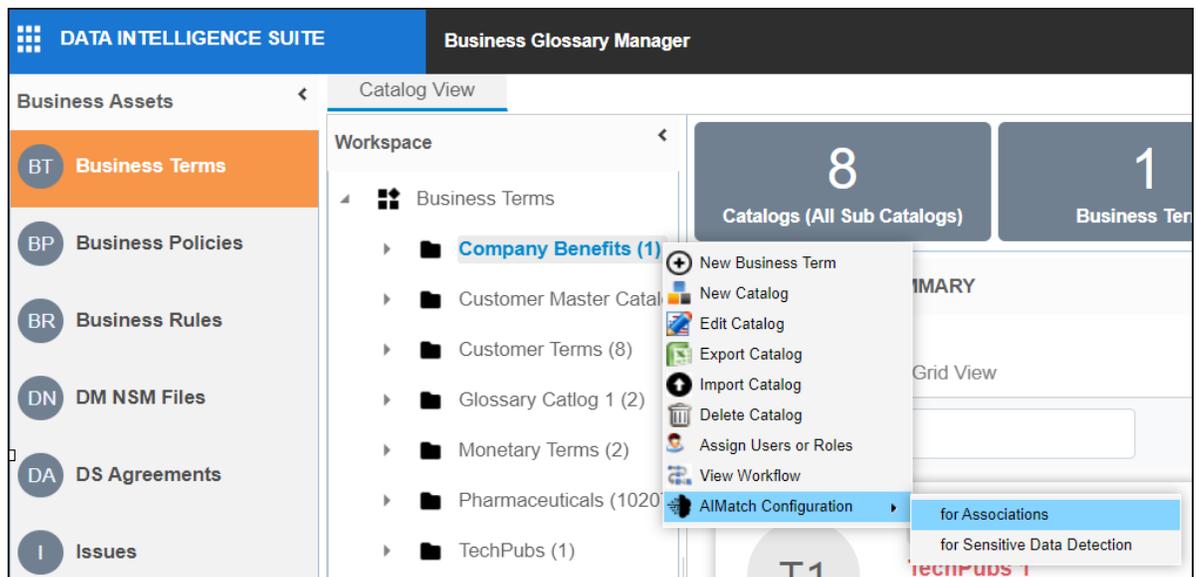
Associating Metadata for AI Matching

Before scheduling an AIMatch job, you need to associate metadata to business term catalogs in the Business Glossary Manager. When the AIMatch job runs, the AIMatch engine finds matches between the associated metadata and business terms in the catalogs.

To associate metadata for AI matching, follow these steps:

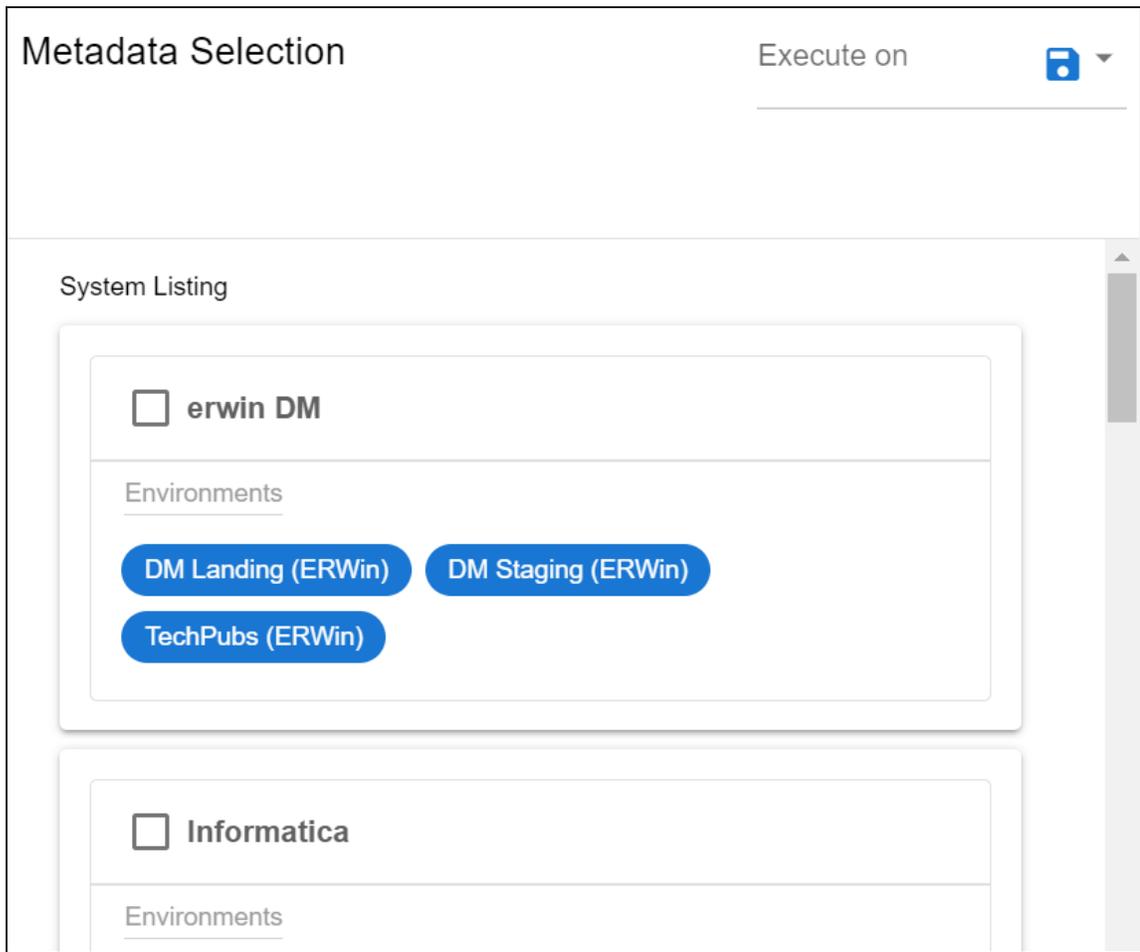
1. Go to **Application Menu > Data Literacy > Business Glossary Manager**.
By default, the business terms view is displayed in the Workspace pane.
2. In the **Workspace** pane, right-click a catalog.

The options available for the catalog appear.



3. Hover over the **AIMatch Configuration** to click either of the following option:
 - for Associations
 - for Sensitive Data Detection

The Metadata Selection page appears. It displays a list of systems available in your erwin Data Intelligence Suite (DI Suite) ecosystem.



1. Under **System Listing**, select the required systems and environments.
2. From the **Execute on** option, select one of the following options:
 - **Both:**
Use this option to use both, table and column names under the selected systems and environments to find matches.

- **Table Name:**
Use this option to use table names under the selected systems and environments to find matches.
- **Column Name:**
Use this option to use column names under the selected systems and environments to find matches.

Note: You can execute only the Column Name option to configure AIMatch job **for Sensitive Data Detection**.

3. Click .

The selected metadata is associated with the catalog.

Once metadata is associated with catalogs, you can schedule an AIMatch job to find matches between the associated metadata and business terms in the catalogs. For more information on scheduling AIMatch job, refer to the [Configuring AIMatch Job](#) topic.

Configuring AIMatch Job

After associating metadata to business term catalogs, you can schedule an AIMatch job to find matches between the associated metadata and business terms. The job also scores the matches based on their relevancy.

To schedule AIMatch job, follow these steps:

1. Go to **Application Menu > Data Literacy > AIMatch**.

The AIMatch page appears. By default, the Configuration tab opens.

2. Enter or select appropriate values in the fields. Refer to the following table for field descriptions.

Field Name	Description
Job Name	Specifies the job name. For example, Auto Match Business Term-Technical Metadata. This field autopopulates with a job name and cannot be edited.
Schedule Job On	Set the date and time of the job using  and  . For example, 03-24-2020 11:45.
Local or Server	Select whether the job uses local or server time. <ul style="list-style-type: none"> Local: Refers to your local machine. Server: Refers to the machine where your application is deployed.

Field Name	Description
Last Executed Date Time	Specifies the date and time when the job was run last. For example, 06-15-2020 09:13
Next Scheduled Date Time	Specifies the date and time when the job will run next. For example, 06-16-2020 09:13
Interval	Specifies the frequency of the job. You can run the AIMatch job daily, weekly, or monthly.
Send Email	Switch Send Email on () to enable email notifications about the job. Email Id: It is autopopulated with your email ID. CC Email Id(s): Enter email IDs that should receive email notifications about the job. For example, talon.smith@mauris.edu.

3. Click **Update**.

The job is scheduled, and is executed at the scheduled date and time. The resultant matches for tables and columns are available on the Automated Table Matches and Automated Column Matches tabs.

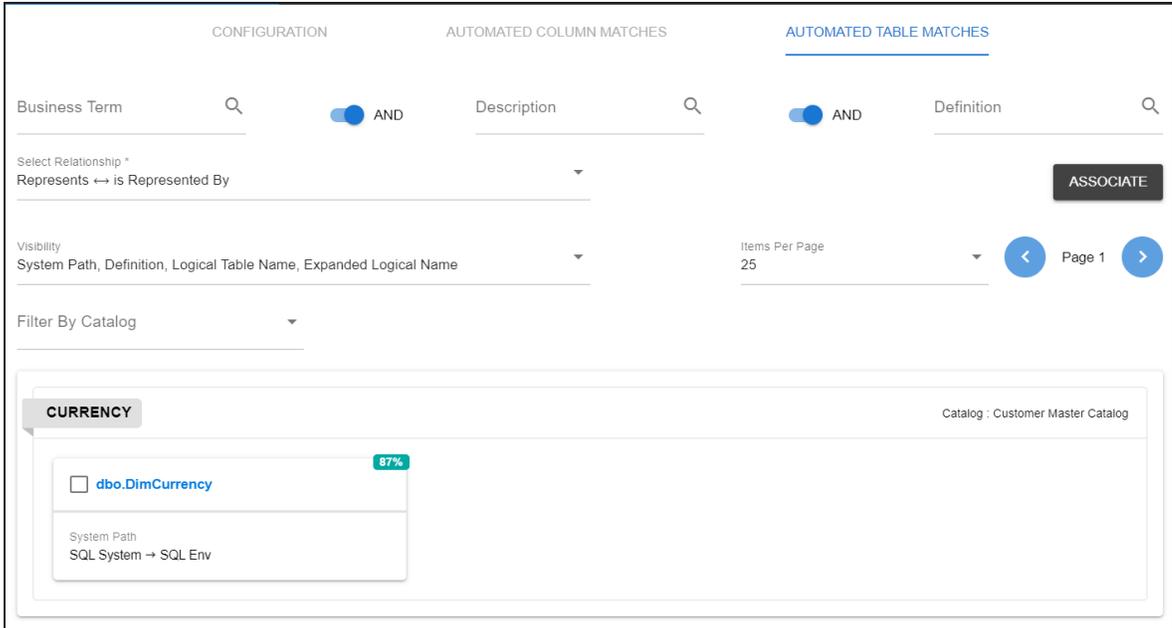
You can select and associate tables and columns with business terms based on the match scores.

Associating Table Matches

After the AIMatch job run, the resultant matches for tables are available on the Automated Table Matches tab in the card format. Each match card displays a match score in percentage based on the relevancy between tables and business terms.

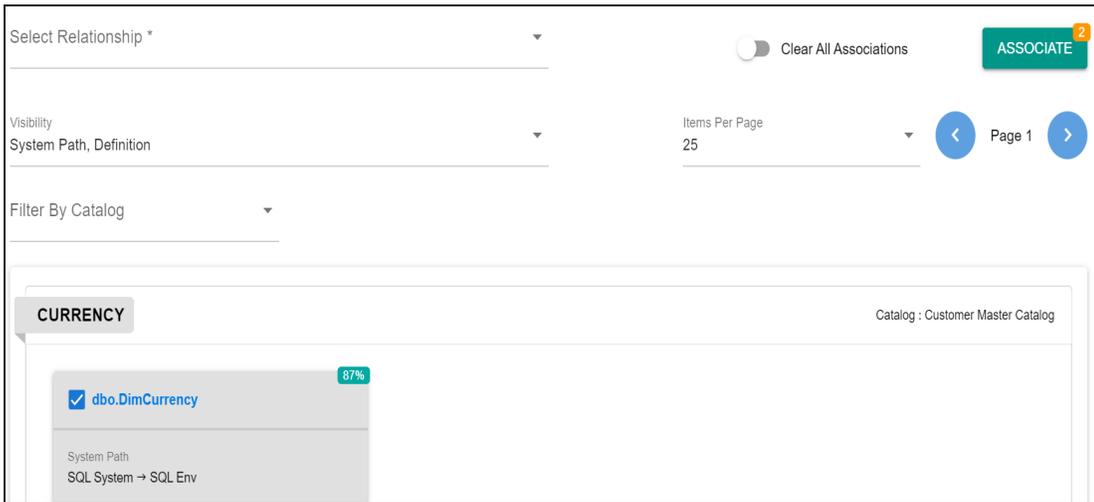
To associate tables with business terms using the automated table matches, follow these steps:

1. Go to **Application Menu > Data Literacy > AIMatch > Automated Table Matches** tab.
Table matches with their match score in percentage appear in a card format.



2. Select the required table matches.

This enables the Select Relationship list and the Association button.



3. From the **Select Relationship** list, select the relationship between tables and business terms.

4. Click **Associate**.

The selected tables are associated with the business terms.

You can also refine the available matches using the filters and visibility options.

Filter

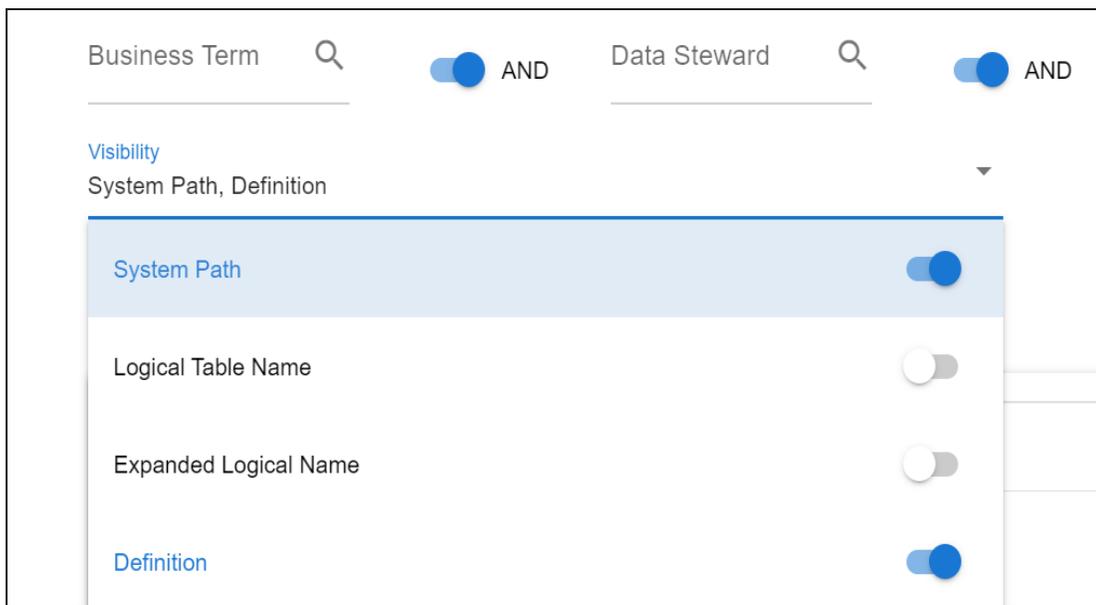
You can filter the table match cards based on AND or OR combinations of Business Term, Data Steward, and Description. You can also filter the table match cards based on Catalog.

Visibility

You can control the visibility of information on the table match cards.

To control the visibility of information on table match cards, use the drop down options under **Visibility**.

For example, in the following image, it is opted to view System Path and Definition on the table match cards.



You can also clear the associations between tables and business terms. To clear the associations, switch **Clear All Associations** on ().

Associating Column Matches

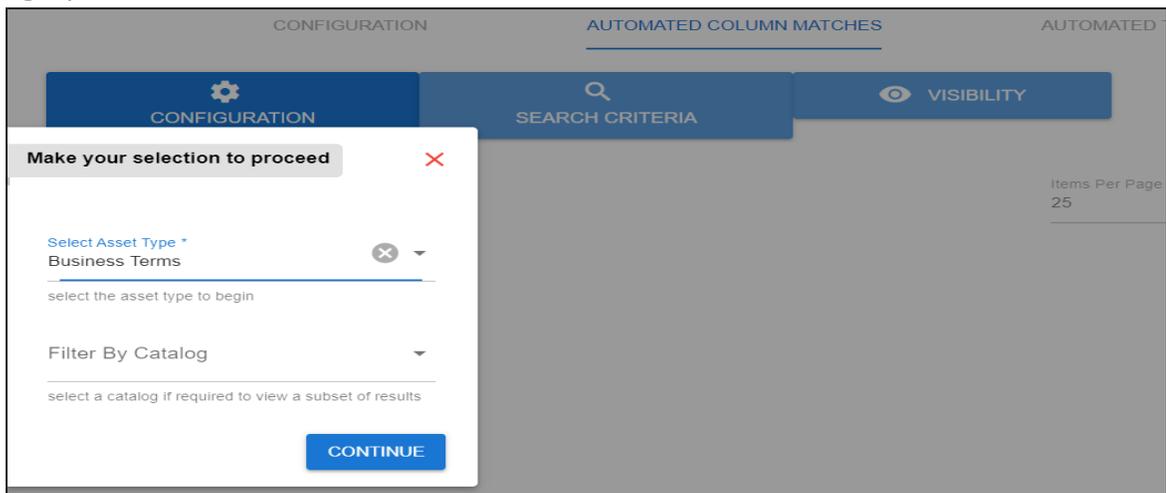
After the AIMatch job run, the resultant matches for the columns are available on the Automated Column Matches tab in a card format. Each match card displays a match score in percentage based on the relevancy between columns and business terms.

To associate columns with business terms using the automated column matches, follow these steps:

1. Go to **Application Menu > Data Literacy > AIMatch > Automated Column Matches** tab.

Configuration pop-up appears, make a selection to proceed.

2. From the **Make your selection to proceed** page, select an asset type and a filter category and then, click **Continue**.



3. From the next screen, you can enable the **Suggest Attributes For Association** options and choose a relationship from the **Select Relationship** drop-down.
4. Enable the **Suggest Attributes For Sensitive Data Indication** option to enable the following options:
 - **Sensitive Data Classification**
Choose a sensitivity classification from the drop-down.

- **Sensitive Data Classification Description**

Displays a description of the classification type. The description changes based on your selection.

- **Also propagate classification to:**

Enable the search area based on your requirements.

Note: You can either enable **Suggest Attributes For Association** or **Suggest Attributes For Sensitive Data Indication** option or enable both to find the automated column

matches.

Make your selection to proceed



Suggest Attributes For Associations

Select Relationship *
Represents ↔ is Represented By

Suggest Attributes For Sensitive Data Indication

Sensitive Data Classification *
PII

Sensitive Data Classification Description
Personally Identifiable Information

Also propagate classification to :

- Business Terms
- System
- Environment
- Table

[BACK](#)

PROCEED

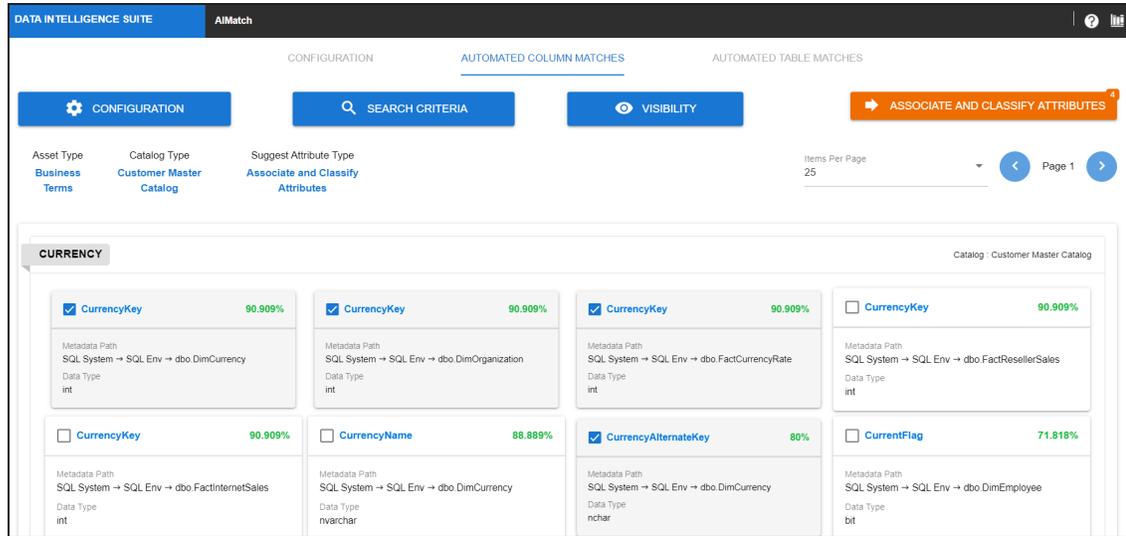
5. Click, **Proceed**.

Column matches are pulled based on the configuration and display their match score in percentage in a card format.

Note: Once the column matches are pulled, you can click the **Configuration** option to re-configure the suggested attributes for associations and sensitive data classification.

6. Select the required column matches.

This enables the Associate and Classify Attributes button.



7. Click, **Associate And Classify Attributes** option.

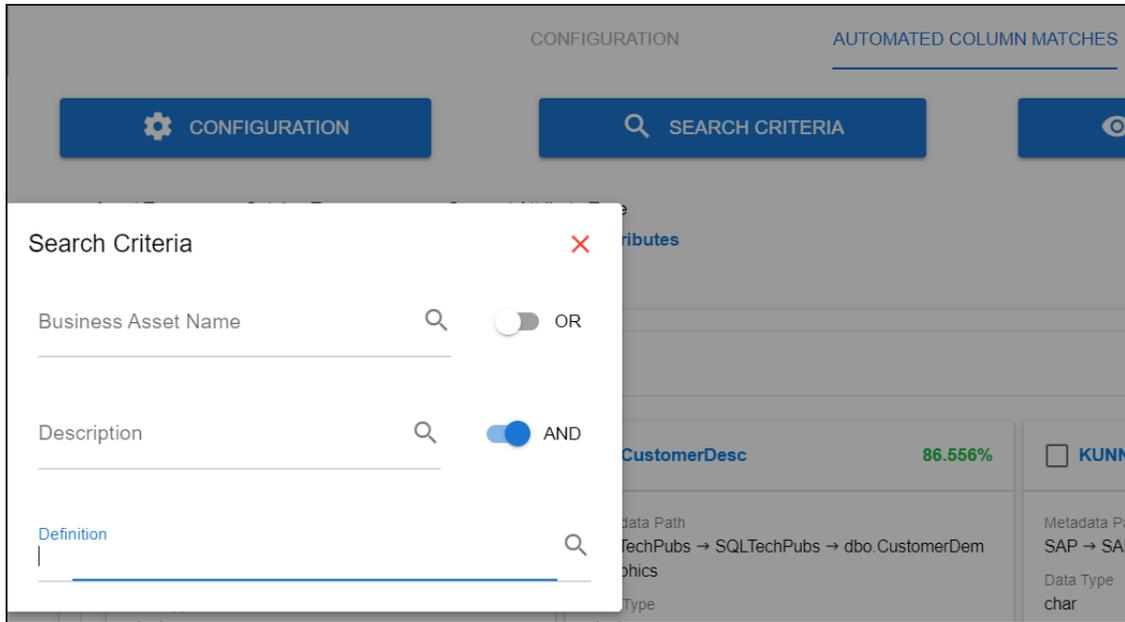
The selected columns are associated with the business terms and also update sensitive data classification.

You can also refine the available matches using the filters and visibility options described below.

Search Criteria

You can filter the column match cards based on AND or OR combinations of Business Asset Name and Description. You can also filter the column match cards based on Definitions.

To filter column matches, click **Search Criteria**.



Visibility

You can customize the list of information displayed on the column match cards.

To set visibility on column match cards, click **Visibility** option. Then, turn ON the relevant objects to view its information in the Automated Column Matches tab.

For example, in the following image, it is opted to view System Path and Data Type on the column match cards.

CONFIGURATION AUTOMATED COLUMN MATCHES AUTOM

CONFIGURATION SEARCH CRITERIA VISIBILITY

Visibility Options

- System Path
- Data Type
- Logical Column Name
- Column Length
- Expanded Logical Name
- Definition

CustomerDesc 86.556% KUNNR

Path Metadata Path
Pubs → SQLTechPubs → dbo.CustomerDem SAP → SAP → KNA1
S Data Type
e char