# Configuration Guide for Data Mask Project:

## Data Mask Tool: Safeguard Your Data with Ease.

In today's data-driven world, protecting sensitive information is crucial. That's where the Data Mask tool comes in. It offers a simple yet powerful solution for bulk updating entity records while ensuring data privacy. With this tool, you can easily mask your data, replacing sensitive information with secure and anonymous values. It doesn't involve deleting your existing data, preserving its structure and integrity.

Data Mask involves importing 1 solution:

1. **Data Mask Solution**: This solution contains all the components of the project.

   Data Mask contains 3 main entities:

   - **Data Mask Instances**: This feature enables you to define the instance URL and specify the entity columns that require masking. By configuring Data Mask Instances, you can determine the specific data elements that need to be protected or obfuscated, ensuring data privacy and security.
   - **Data Mask Runs**: It provides detailed information about the entities that were processed and logs the activity of each Data Mask Instance run. With Data Mask Runs, you can easily track the progress, monitor the status
   - **Help:** It Provide valuable insights into the supported data types for specific columns within an entity. By utilizing this feature, you can easily access information regarding the data type compatibility for each column.

## Data Mask Instances:

Data Mask Instances contains the following columns:

1. **Name**: Name of Data Mask Instance
2. **Instance URL:** The Instance URL refers to the URL of the environment where you intend to perform data masking. It serves as a connection point to the targeted environment for executing data masking operations.
3. **Configuration**: The Configuration aspect allows you to define and specify the tables and columns that require data masking. It provides a structured format to indicate the specific entities and their corresponding columns where data masking should be applied.
4. **Generated JSON Configuration**: It creates a JSON structure based on your selections of tables and columns.

## Data Mask Runs:

It consists of the following columns:

1. **Name:** Name of the Data Mask Run.

2. **Instance:** It is a lookup of Instance that we created on the Data Mask Instances to check the Runs.
3. **Tables:** It determines number of tables that added for the data mask.
4. **Log Notes:** The Log Notes feature stores all the logs generated during the data masking process. It serves as a comprehensive record of the activities and events that occurred while running the data masking operations.
5. **Configuration:** The Configuration aspect allows you to define and specify the tables and columns that require data masking. It provides a structured format to indicate the specific entities and their corresponding columns where data masking should be applied.
6. **Threads:** The Thread feature automatically determines the optimal number of threads to use during the data masking process based on the number of records in the instance. The number of records assigned to each thread will be determined by the values provided.

### Help:

The user guide provides information on the compatible and usable data types for the selected columns of a table. It serves as a resource for understanding the data type options available for each column.

### Result:

Every time a Data Mask Run is created, data will be masked with the sample values for the assigned instance.

### Environment Variable:

We have 3 Environment variables in Data Mask Tool:

- Paging Size: The number of records assigned to each thread will be determined by the values provided in Paging Size.
- License: License Key
- Bulk Update Chunk Size: Updates bulk data.