

# MeherSys DataGrids

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# DataFeeds, DataStreams

Data flows from the client's data system/sources into MeherSys Cloud System using secure APIs for one of these data formats ...

1. JSON
2. XML
3. CSV
4. Protobuf
5. Any other with marshalling and unmarshalling tools

The choice of data format depends on client's preference.

The APIs support both scheduled and adhoc on-demand data flows.

Both pull and push mechanisms are supported for the data flows.

Auto detection of changes in client's datasources trigger the data flows.

Hooks to filter bad data (based on regex and other algorithms) during the data flow process.

# Searchable and Sortable DataGrid - Multi-Dimensional

Once the data is in MeherSys Cloud, it is rendered in searchable and sortable data grids.

Each column in the data grid is clickable to sort the data in ascending/descending order. And this can be done on one or more columns of the grid.

By using the conical filters of the columns, data can be searched/filtered based on these criteria for string columns ...

1. Contains
2. Does not contain
3. Equals
4. Does not equal
5. Begins with
6. Ends with
7. Blank
8. Not blank
9. Custom

# String Columns and Numeric Columns

The criteria for search/filter have been enumerated in previous page.

Here's the list of criteria for numeric columns ...

1. Equals
2. Does not equal
3. Greater than
4. Greater than or equal to
5. Less than
6. Less than or equal to
7. Between
8. Blank
9. Not blank
10. Custom

# Pagination

The grids support pagination.

We can set the number of columns to show in a page.

We can go to last page or first page or go from page to page (forward/reverse) by clicking on the appropriate icon.

# Normal, Audio, Video Links in the Grid Cells

Normal/Audio/Video links can be shown in the grid cells.

# AI models

As the data flows into MeherSys Cloud, it is analyzed and models are generated to check overfitting/underfitting - based on client's requirements.

# PaaS

The grids can be generated on the fly when client provides metadata - name and type (string or numeric) of each field. And formulae to generate based on other fields.