Working with DataGrids Reference

Build and customize DataGrids visually.

Working with DataGrids (Reference):

DataGrids in FrameworX provide:

- Filtering and sorting by column headers
- Direct cell editing
- Grouping and reorganizing data
- Adding or removing records

Editing Tables
Column Management
Sorting, Filtering, and Grouping
Common Column Definitions
Copy and Paste Operations
Keyboard Shortcuts
Multi-User Editing
Performance Tips
Troubleshooting

Note: This documentation covers Configuration DataGrids in Designer. For DataGrid components in Operator Displays, see the Draw section.

Editing Tables

Adding New Rows

1. Click the first column of the insertion row (marked with asterisk *)
2. The asterisk becomes a pencil icon when editing
3. Enter data or select from dropdowns
4. Press **Tab** to move between columns

Editing Existing Rows

- **Text fields**: Click to overwrite, click again to edit partially
- **Selection fields**: Click twice to open dropdown/popup
- **Navigation**: Use Tab/Shift+Tab to move between cells

Creating Objects with Default Names

Quick creation method:

1. Click **Name** column in insertion row
2. Press **Space** then **Enter**
3. System creates object with default name and last-used type

Editing Multiple Rows

1. Select rows with **Shift** key
2. Right-click **Edit Combined Rows**
3. Changes apply to all selected rows
4. Mixed values are indicated in the dialog

Column Management

Show/Hide Columns

1. Right-click column header area
2. Check/uncheck columns in list
3. Click outside to close

Reset to Default

Click **Reset Grid to Default Settings** button (top-right near search bar)

Reorder Columns

Drag column headers to new positions

Sorting, Filtering, and Grouping

Sorting

Click column header to cycle through:

- Ascending
- Descending
- None (uses internal ID)

Filtering

Click down arrow in column header to:

- Filter by specific values
- Apply custom filters
- Clear filters

Grouping

1. Drag column headers to grouping area above grid
2. Creates hierarchical data organization
3. Remove by dragging headers back to grid

Common Column Definitions

Column	Description
ID	Database ID (unique per table, starting from 1)
Level	Asset Tree association level
Category	Object categorization
DateModified	Last change timestamp
DateCreated	Creation timestamp
Description	Object description text

Copy and Paste Operations

Between Tables

1. Select rows
2. Right-click **Copy Selected Rows**
3. Navigate to target table
4. Right-click **Paste Rows**

Smart paste automatically maps columns between different table types (e.g., Tags to Historian).

With Spreadsheets

To Spreadsheet:

1. Select rows in DataGrid
2. Right-click **Copy Selected Rows**
3. Paste in spreadsheet (includes headers)

From Spreadsheet:

1. Copy data including column headers
2. Right-click in DataGrid **Paste Rows**
3. Data maps to matching columns

CSV Import

- Column headers must match target table
- Best practice: Export sample first, then modify

Keyboard Shortcuts

Key	Action
Tab	Next cell
Shift+Tab	Previous cell
Enter	Commit edit, move down
Escape	Cancel edit
F2	Enter edit mode
Space	Toggle checkbox/open dropdown
Ctrl+C	Copy selected rows
Ctrl+V	Paste rows
Delete	Clear cell content

Multi-User Editing

- Multiple users can edit simultaneously
- Changes save to Solution server
- Last save overwrites previous changes
- Use Track Changes to monitor modifications

Performance Tips

Large Tables

- Use filtering to reduce visible rows
- Group by categories for organization
- Hide unnecessary columns
- Use search instead of scrolling

Bulk Operations

- Use spreadsheet for mass data entry
- Edit multiple rows simultaneously
- Use copy/paste for repetitive data
- Import from CSV for initial setup

Troubleshooting

Issue	Solution
Cannot edit cell	Check user permissions
Paste not working	Verify column headers match
Lost column layout	Use Reset to Default
Slow performance	Apply filters, hide columns
Changes not saving	Check multi-user conflicts

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