

New Features in ibaDaVIS v2.1.0

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1 Dashboard auto refresh

1.1 Auto refresh control

The auto refresh provides a periodically refreshing of the current dashboard. The control to start or stop the auto refresh is visible on each dashboards.



Clicking to the play symbol will start the count down until the next refresh. While the auto refresh is active the pause symbol is shown and the count down in seconds until the next refresh action. Clicking to the pause symbol will stop the count down.



The count down length can be changed by clicking to the right side of the control and selecting another count down time.



The auto refresh time period can be set to 10, 30, 60 or 120 seconds

1.2 Auto refresh function

The auto refresh will update the current time filter and update the tiles shown on the dashboard with new queried data.

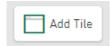
The auto refresh mode will stop when you select a new time range or filter interactively on the dashboard e.g. by zooming in a trend chart or selecting a segment of the pie chart.

2 New tile type: Dat file view

The dat file view is showing raw data from dat files on the dashboard in a separate tile. Data from up to 50 dat files can be shown. These can be either the most recent files or files manually selected in a table on the same dashboard. Data of dat files can be displayed as stacked view or appended view (as in ibaAnalyzer) or even as envelope view.

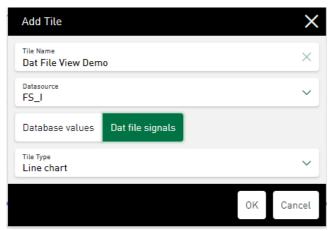
2.1 Creating a new Dat file view

Switch to *Edit* mode and click on the *Add Tile* button.

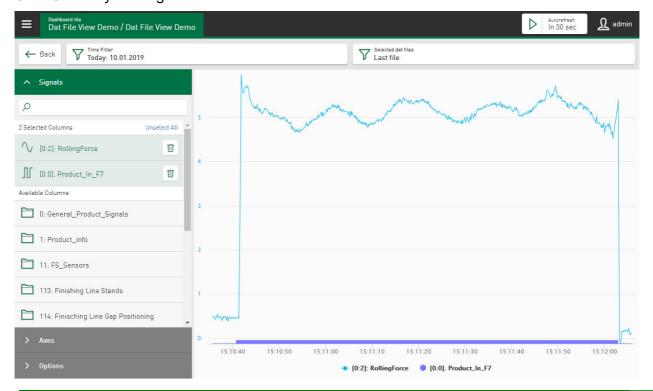


Enter a tile name and select the data source which contains the reference to your dat files.

Select the option Dat file signals and set the tile type to Line chart.



Click OK and you will get the dat file view of the last dat file in full screen mode.



Digital and analog signals are listed in a tree view on the left side. Click on any of the signals to display them as trend over time at the chart area.

You can zoom in the trendgraph and visualize details of the signal trends. The zoom filter will generate a custom zoom filter which is appearing at the filter bar next to the common filters in full screen mode.



You can remove the zoom filter by clicking the *X* in the the zoom filter. The full signal trend is displayed again.

2.2 Axes

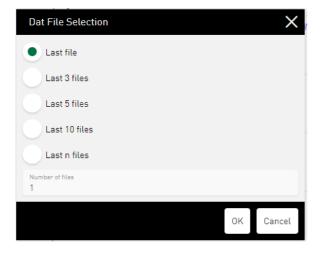
The tab *Axes* allows a manual scaling for the the visualized signals. You can set a manual scaling of the y-axis. Signals with the same unit are displayed on the same y-axis.

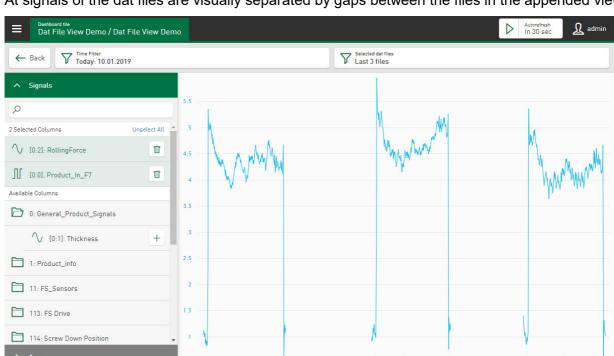
2.3 Dat file selection

Click at the filter bar into the field *Selected dat files* and you can select 3, 5 up to 50 last dat files for the visualization.



The displayed *Dat File Selection* dialog allows the selection of the *last*, *last 3*, *last 5*, *last 10* or a user defined number of *last n dat files*.





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At signals of the dat files are visually separated by gaps between the files in the appended view.

2.4 Options

There are three options to visualize signals from multiple dat files.

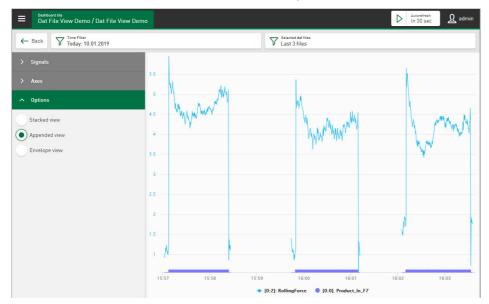
- 1. Stacked view
 - Each signal from each dat file is visualized individually
 - Start time for all signals is set to 00:00:00



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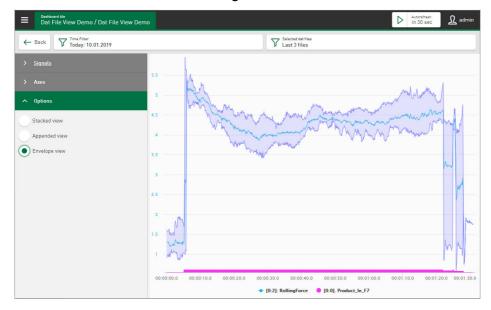
2. Appended view

- Common signals from different dat files are visualized in one trend
- Start time of the dat files is synchronized to the time axis



3. Envelope view

- Common signals from each file are used to evaluate an envelope
- Start time of all signals is set to 00:00:00



2.5 Dat file view on dashboard

The dat file view can be handled like other chart tiles on the dashboard. The tile name, data source, tile size and position on the dashboard can be changed.

The dat file view displays the dat symbol next to the tile name.



The filter for the number of selected files in the dat file view can be changed directly on the dashboard by clicking to the tile related filter button. The same dialog as described in **2.3 Dat file selection**.



2.6 Interaction of dat file view and table on the same dashboard

The table provides the new added column Selection always as last column.



You can select or unselect rows in the table by clicking to the check box in the column *Selection*.

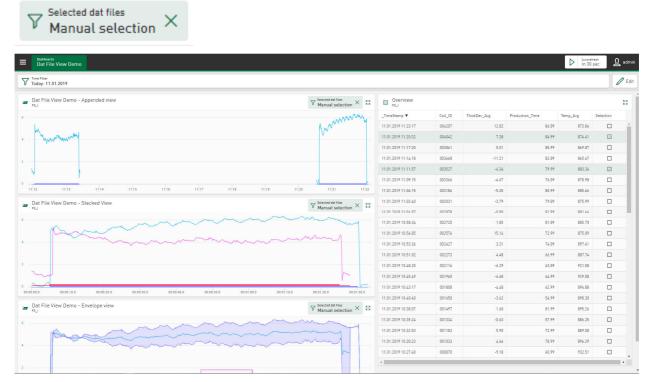
The selection of a row is directly selecting the related dat file. All dat file views with the same data source on the dashboard will show signals of the selected dat file according to the current

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visualization options. You can selct multiple rows. Then signals from multiple files will be displayed.

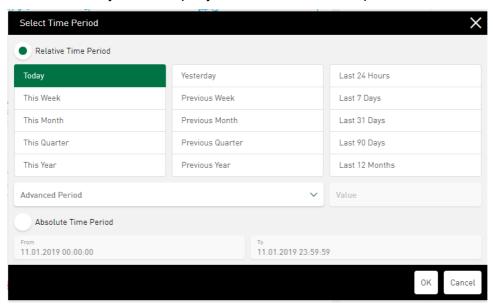
The filter button Selected dat files will switch to Manual selection



Click on *X* in one of the dat file views filter to clear the *Manual selection* or unselect the dat files in the table individually.

3 Relative time filtering

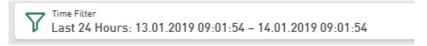
As *Relative Time Period* filters a number of short cut buttons are predefined. Clicking on one of them will directly start the query about the named time period.



E.g. *Today* will query all data from the current day.



The Last 24 Hours will query the last 24 hours starting from the current time.



The Advanced period offers the selection of the user defined number of Last Minutes, Hours, Days, Weeks, Months, Quarters or even Years.



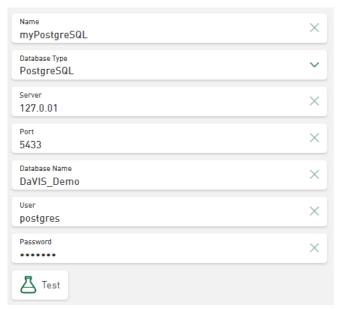
The currently queried time period is visualized at the filter bar.



The currently applied relative filter is transferred to the imput fields of the absolute filter controls in the time filter dialog. The new implemented control for the absolute time period selection is using the native time filter controls on mobile devices.

4 Support for PostgreSQL as data source

Configuration of a PostgreSQL data base connection supported at the data source configuration.



5 Improvements

5.1 Save dashboard filters

The *Save* and *Cancel* buttons will appear when you change the current filter by selecting a new time range or add filters by clicking on pie chart segments or histogram bars.

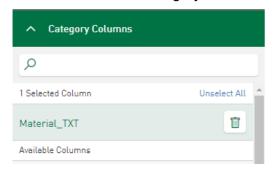
By clicking Save the current filter is saved as new initial dashboard filter.

Clicking Cancel will replace the current filters by the initial dashboard filter.

5.2 Pie chart

5.2.1 Selection of the category column in separate tab

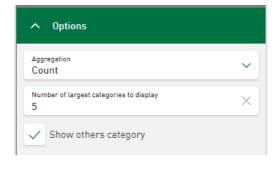
The selection of the category column is now possible in the separate tab Category Columns.

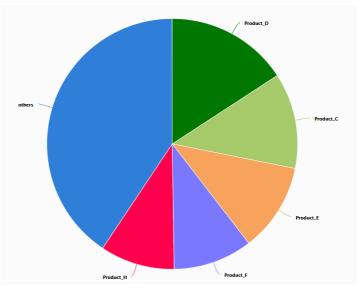


The text search for columns is supported. Numerical columns are supported as category column.

5.2.2 Show/hide the "others" category

The category "others" summarizes all not explicitly shown groups. Enable the option *Show others category* at the tab *Options* to visualize the category "others".





5.3 Scatter chart

5.3.1 Selection of the x-axis column in separate tab

The selection of the x-axis is possible in a separated tab. Text search for columns is supported.

The time will be used as x -axis if other no other column is set.

