New Features in ibaDaVIS v3.3.0

Author: T. George

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1   ibaDaVIS as progressive web app (PWA)

With v3.3.0, you can install *ibaDaVIS* as a progressive web app. Progressive web apps (PWA) are hybrid websites that have the characteristics of classic smartphone apps but are accessed via a browser.

PWAs offer the following advantages over conventional browser access to the website:

- Use of content on any end device
- Use of web content even with a poor or non-existent Internet connection
- Fast loading of websites
- Continuous updates of the app
- Secure connection through the use of HTTPS endpoints

Information on how to install *ibaDaVIS* as PWA on your computer can be found in the documentation of *ibaDaVIS*, see chapter "Installing ibaDaVIS as progressive web app".

Further information on the topic of Progressive Web App (PWA) can be found at: https://learn.microsoft.com/de-de/microsoft-edge/progressive-web-apps/

Note

If *ibaDaVIS* is installed as an app with version 3.3.0 on your system, application-related data is stored on the system. If you uninstall *ibaDaVIS* v3.3 or higher and use an earlier *ibaDaVIS* version without uninstalling the app, side effects may occur that are caused by program parts stored in the app.

To replace *ibaDaVIS* v3.3.0 or higher with an earlier version, remove the app from the end devices beforehand.

If you switch from versions higher than v3.3.0 back to v3.3.0, the app will automatically download changes and run without restrictions with the lower version.

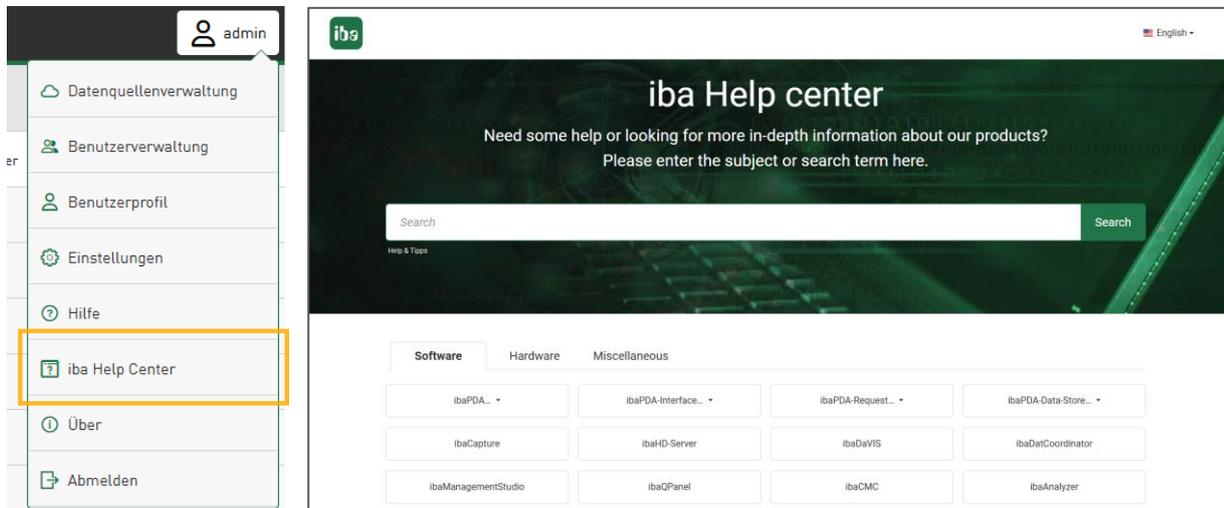# 2   URL extension with filter parameters

In *ibaDaVIS*, it is now possible to add specific filters to the URL of the dashboard or tile. This allows you to define filter parameters for time or value specifications in the URL. When the dashboard is called up, the filter values specified in the URL are then applied to the dashboard or the displayed tile and the tiles are updated.

Examples and a list of the supported filter functions and parameters can be found in the documentation of *ibaDaVIS* in chapter " Defining filters via URL".

3　Direct access to the iba Help center

As of *ibaDaVIS* v3.3.0, you can access the iba Help center https://docs.iba-ag.com/ directly from the administration menu.

You can find all documentation on iba products in the help center.

4　New virtual functions

With *ibaDaVIS* v3.3.0 new virtual functions are supported.

> 📖　Detailed information on the use of virtual functions can be found in the documentation of *ibaDaVIS*, see chapter "Configuration of virtual signals".

Xsize()

Returns the length of the valid value range for the selected signal in the X direction, in seconds for time-based data and in centimetres for length-based data.

Xrange()

Returns the current computation range of the X-axis, in seconds for time-based data.

Not()

Returns the logical NOT for the selected signal.

Int()

This virtual function has been available since *ibaDaVIS* v3.2.1 and v3.2.2 and returns the integral of a signal.

5　Pie chart: New mode to allow multiple column selection

The pie chart supports two modes. Previously, it was possible to create a pie chart by selecting a signal, a database table column or a time period in the *Signals* or *Columns* section, and additionally selecting another signal or a database table column as a category. The pie chart

then shows the aggregated signal values grouped by category. Clicking on one or more segments creates a filter for the categories on which the selected segments are based.

In the second mode that has now been added, you can select several signals or database table columns as signals to be displayed. The pie chart now shows one segment per selected signal and displays the maximum, minimum or average value depending on the selected aggregation operator. A signal for categorization is not required. Clicking on one or more segments does not result in filtering.

6   Maintenance

6.1   Limitation of the number of log files

The maximum number of log files in the directory `C:\ProgramData\iba\ibaDaVIS\Log` is limited to 40 files. The oldest log files are replaced by newer ones.

6.2   Changed file names and folder structure for localization files

The customizable localization files for the signals can be found at:

`C:\ProgramData\Iba\ibaDaVIS\assets\locales\`

Instead of the previous language-based organization in folders, the localization files with language tag are listed directly in the folder as JSON files.

6.3   Renamed options for appended view

In the line chart, the options *Synchronized on recorded time* and *Appended view* have been renamed to *Appended view – recorded time* and *Appended view – relative time* for better comprehensibility.