



See the Big Picture



# ibaDaVIS

Data Visualization and Information Service

Start Up

v3.0.0

**Measurement Systems  
for Industry and Energy**

**Manufacturer**

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The current version is available for download on our web site [www.iba-ag.com](http://www.iba-ag.com).

Issue	Date	Revision	Author	Version SW
1.0	2018-07-17	First issue	tg	2.0
1.1	2018-07-31	System requirements	tg	2.0
1.2	2021-06-07	System requirements; Installation, Datasource configuration, ibaHD-Server Connection , Dashboard configuration	tg	2.9
1.3	2021-09-29	Screen shots	tg	2.10
1.4	2023-04-25	Actualized supported operation systems and system requirements	tg	2.11
1.5	2023-07-03	Virtual Signals	tg	3.0

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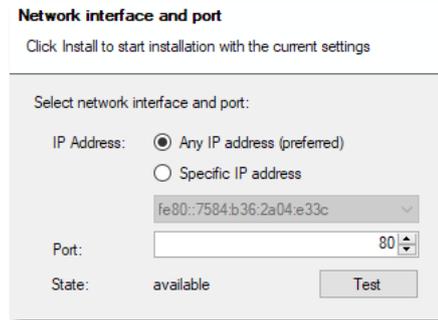
# In 5 Steps from the installation to your visual process information

## 1. Installation

Got your Dongle/ Soft license ready? - Plug it into your x64 windows based PC!  
 Follow the installation instructions when executing the *ibaDaVIS-v3.X.X.exe* installer.  
 The CodeMeter Runtime is included in the installation of ibaDaVIS v3.0.0 or higher

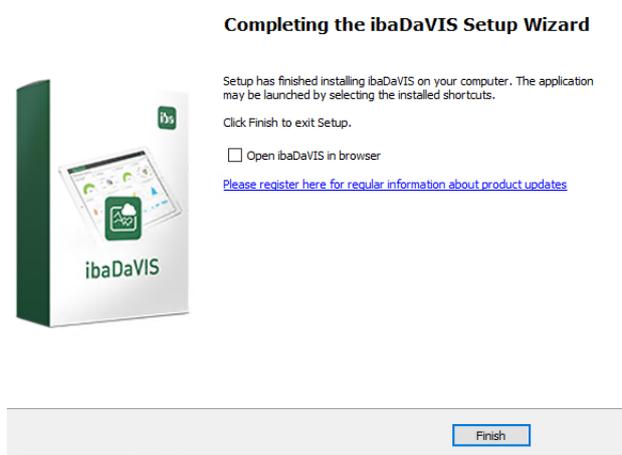


During the installation *ibaDaVIS* provides a port number which will be used for the access your web browser – preferably the *Chrome*, *Mozilla* or the *Windows Edge* browser.



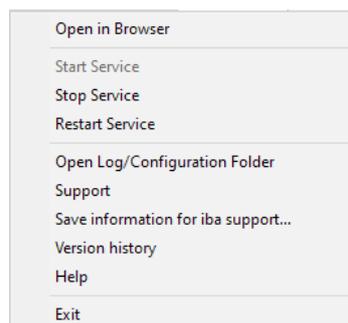
Finally the installer will offer to open ibaDaVIS in your standard browser.

### Completing the ibaDaVIS Setup Wizard



If the *ibaDaVIS Service* did not start correctly a message will be given. The *ibaDaVIS Service* may need to run under another than the system account or there might be a problem regarding the license. When you're running ibaDaVIS with a WIBU Soft license the license key must be activated separately. Contact the ibaSupport for further information.

The ibaDaVIS Status  is available at the windows task bar as tray icon. Right-Click to the icon and a number of options as context menu is provided which will help you also in other situations.



## 2. Login

Use *Google Chrome* or *Mozilla Firefox* or *Microsoft Edge* as web browser (*Microsoft InternetExplorer* is not supported) with the address <http://localhost:80> based on the logic for the web address [http://\[PC-name\]:\[Port\]](http://[PC-name]:[Port]). Status app helps you to start the ibaDaVIS in the broser directly.

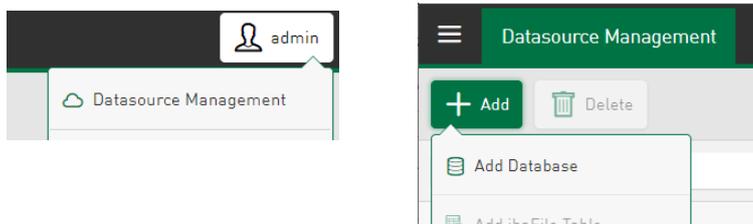
First login as admin:      Username:    *admin*  
                                 Password:    *Admin#1*

The admin user is always present and can not be removed. The password can be changed.

## 3. Add a Datasource

### 3.1. Configure the database connection to display database or dat file data

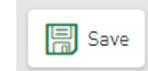
Click on the current user name (*admin*) and select the *Datasource Management*. Continue at the Datasource Management menu and click on the *Add* button to add your *Database* connection.



Enter now your *MariaDB*, *MS SQL*, *SQLite*, *MySQL*, *Oracle* or *Postgress* connection information and test it.

Name	SQLite_DB_Connection	X
Database Type	SQLite	V
Path	E:\Projects\ibaDaVIS\DB\DataExtracted\Start2018.db	X

Don't forget to



your settings.

In some cases you need to run the service under another account than the system account to get in touch with your database.

Note: You can manage under which account the ibaDaVIS Service is running during the installation (see the picture below) or at the system services any time.

**Service User**  
Click Next to install as Local System account or select user manually.

Select service user:

Local System Account

This User:

Domain

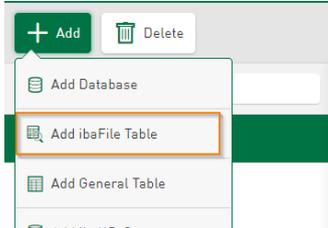
Username

Password

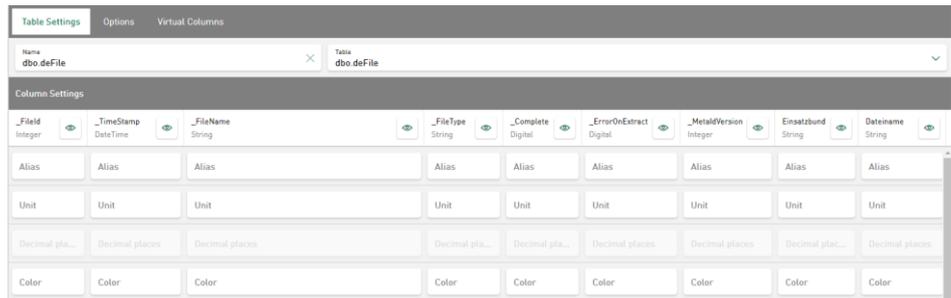


### 3.1.1. Add ibaFile table to display dat file signals and KPI values on the dashboards

Add *ibaFile Table* to add a table which is created and filled using *ibaAnalyzer-DB* and which will give you access on the signals of the dat files which are the source of the extraction.

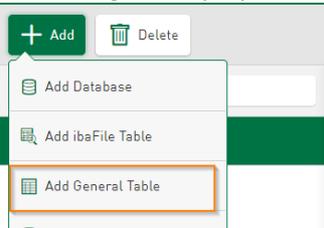


Select the table by name from the drop downlist and save the current settings to finalize the setup of the *ibaFile Table*

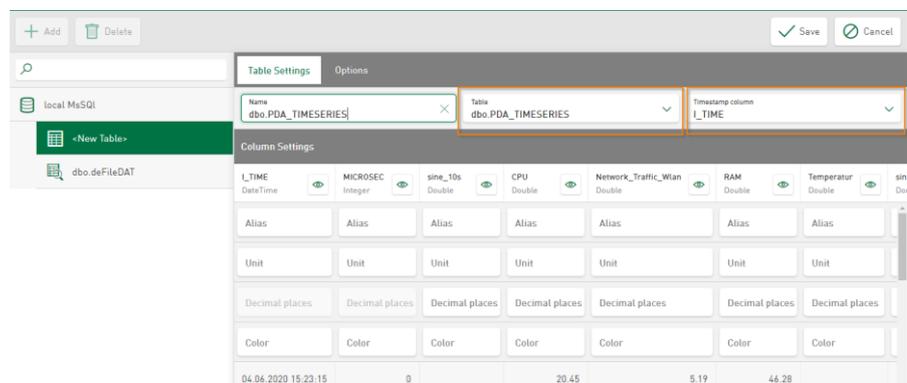


### 3.1.2. Add any time based table from a database as datasource to follow general trends on the dashboards

Add *General Table* when you add any table which contains a time stamp in datetime format as data source e.g. to display data the PDA is writing to your database using the cloud/ database datastore

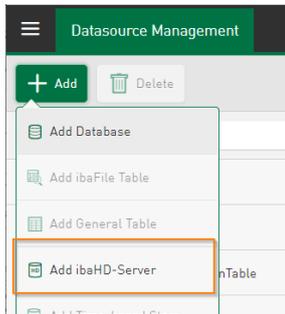


Select the table by name from the drop downlist and correct the column for the time stamp before saving the current settings and finalize the setup of the *General Table*.

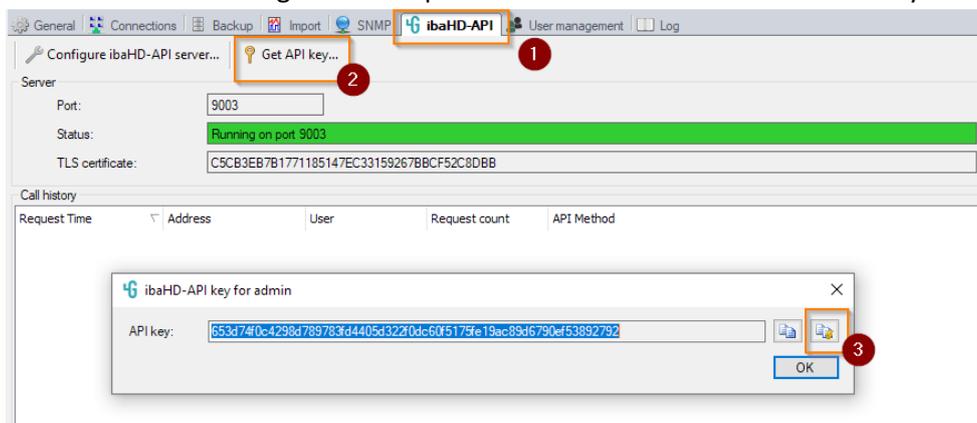


### 3.2. Add your ibaHD-Server as datasource to see ibaHD data on your dashboards

Add the ibaHD-Server connection by Click on the current user name (*admin*) and select the *Datasource Management*. Continue at the Datasource Management menu and click on the *Add* button to add your *Add ibaHD-Server* connection.

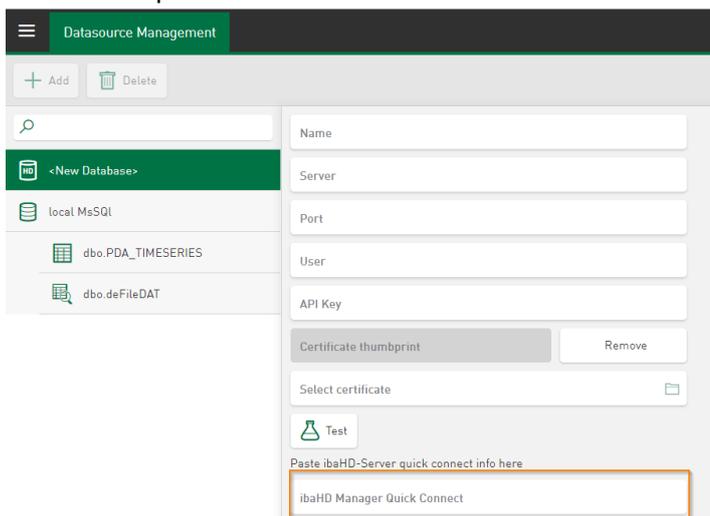


The fastest way to enter the connection items of the ibaHD-Server is given as quick connection. Get the quick connection as string into the clip board from the GUI of the HD Server by three clicks



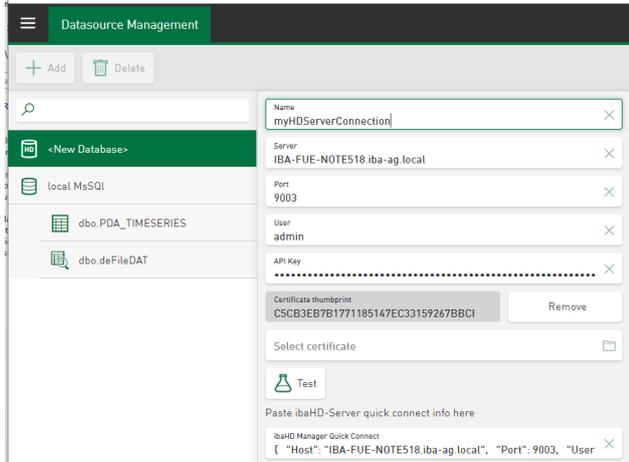
The all required connection info is now present as text in the clipboard.

Drop the clipboard content as text directly at the following line of the ibaHD-Server connection page in the ibaDaVIS to setup the ibaHD-Server connection.

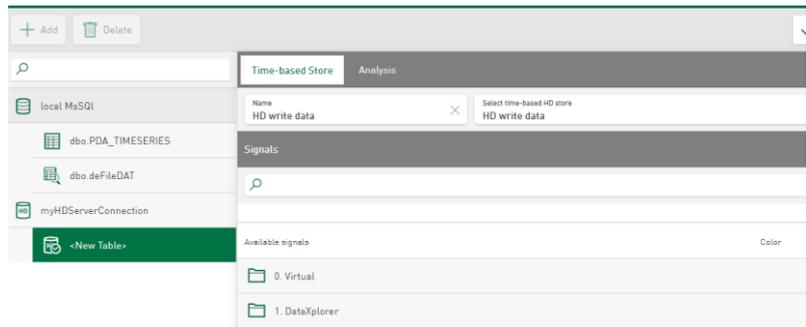




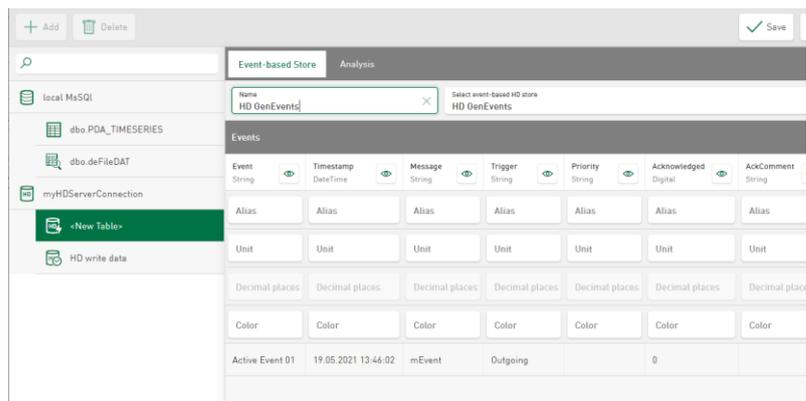
Add a name for the ibaHD-Server connection and mayhaps exchange the server name against the IP address to get a positive connection test result before saving the current settings.



Add your time or event based store individually by clicking Add store and selecting the time or event based store by name from the given list to finalize the setup of the hd data as datasource.



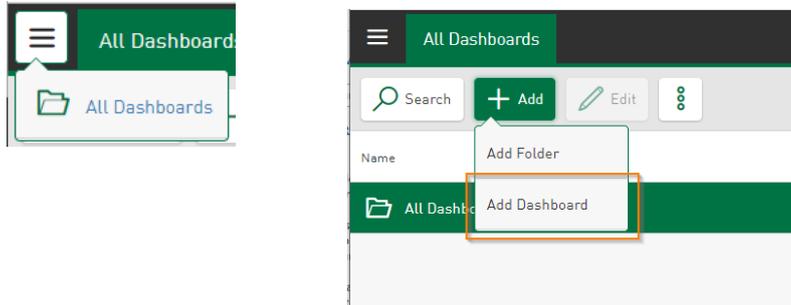
Similar to the Signal tree in ibaPda Client you can distinguish to see active inactive or all signals at the signal tree. The latest configuration is used for the displayed signal names.



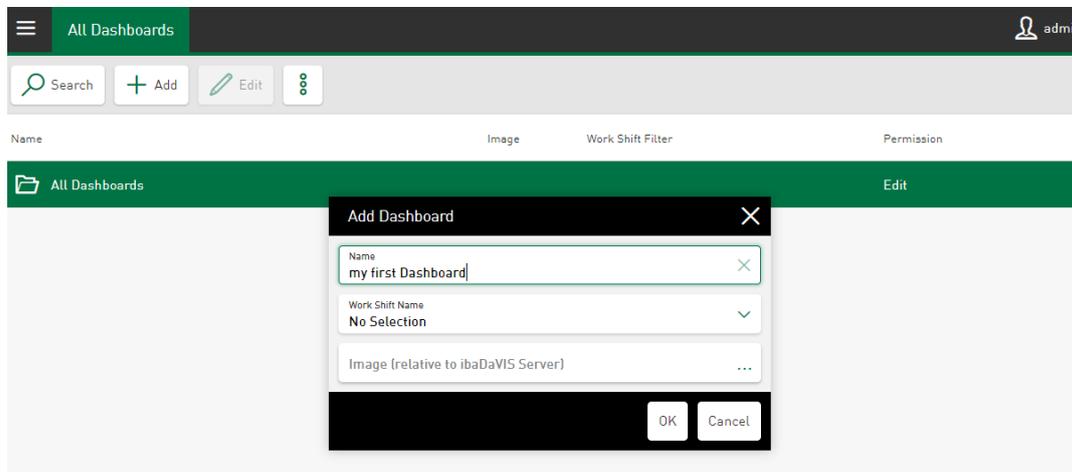
There is only one event of each kind visualized.

## 4. Add your Dashboard

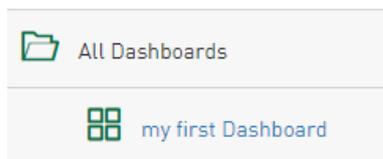
Navigate to All Dashboards and Add Dashboard.



You enter a name at the given field at the modal dialog and add optional a symbolic image for your first dashboard.



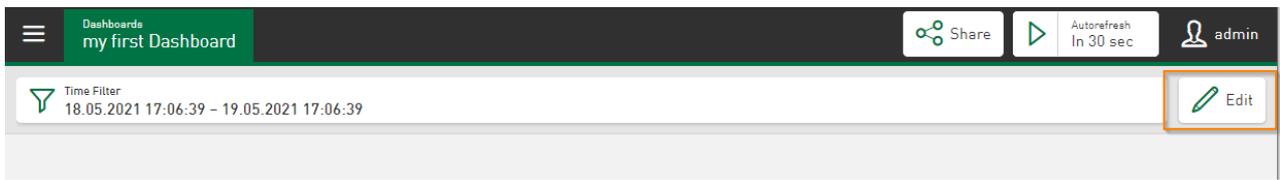
The new item in the list of dashboards is the link to your first dashboard.

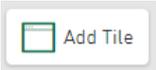




## 5. Add tiles to visualize data on your first dashboard

Open your dashboard and switch the dashboard into edit mode to start.



In edit mode you click add tile  to add any chart as tile to your dashboard

You are asked to enter a *Name*, select your configured *Datasource*. *Dependent on the source type the option for the tile type will change.*

Add Tile
✕

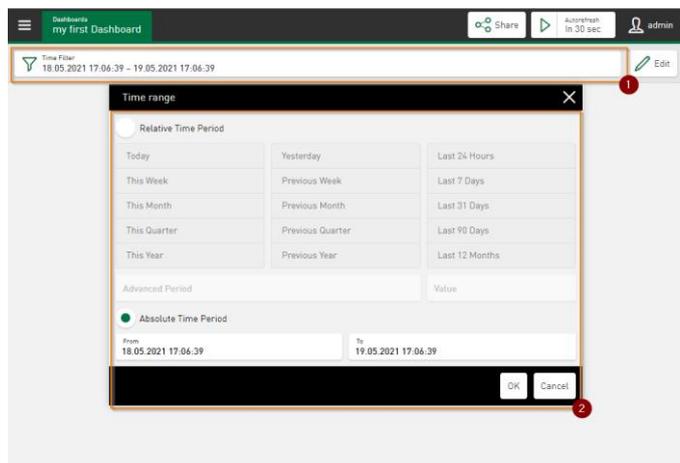
Tile Name

Datasource  
 dbo.deFile ▼

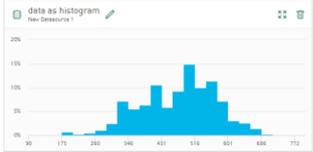
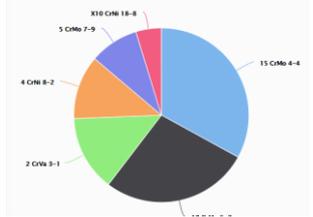
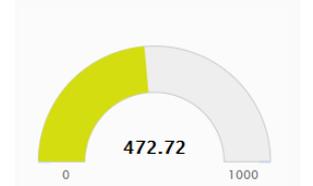
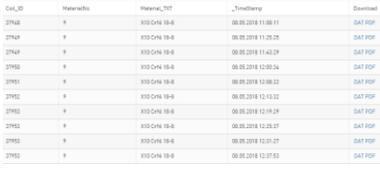
Tile Type  
 Line chart ▼

OK
Cancel

Don't become nervous if you don't see any data. Maybe you're just looking at the wrong time range. Change the displayed time range by clicking on the *Time Filter* at the top of your dashboard. Select the time range where you definitely have data.



Overview of supported tile types

Tile type	Can be used for ...	Additional
<p><b>Line Chart</b></p> 	<ul style="list-style-type: none"> <li>- Display of time trends</li> <li>- Visualization of down times</li> <li>- Visual detection of abnormal trend development</li> </ul>	<ul style="list-style-type: none"> <li>- Zoom function is used as interactive filter for all tiles on the dashboard.</li> <li>- Y-axis can be scaled manually.</li> </ul>
<p><b>Scatter chart</b></p> 	<ul style="list-style-type: none"> <li>- Display technological relations</li> <li>- Visualize correlations</li> <li>- Monitor process deviation</li> <li>- Visual detection of outliers</li> </ul>	<ul style="list-style-type: none"> <li>- Switch x-axis from time to one of the selected value columns.</li> <li>- See the relation e.g. between speed and momentum.</li> <li>- X and Y-axis can be scaled manually.</li> </ul>
<p><b>Histogram</b></p> 	<ul style="list-style-type: none"> <li>- Display the distribution of a value</li> <li>- Visual detection of process deviation</li> <li>- Visualize process stability</li> </ul>	<ul style="list-style-type: none"> <li>- Switch between total and percentual scaling</li> <li>- Value range can be configured</li> <li>- Number of classes can be configured</li> </ul>
<p><b>Pie chart</b></p> 	<ul style="list-style-type: none"> <li>- Display product variety</li> <li>- Monitor the distribution of data to different classes</li> </ul>	<ul style="list-style-type: none"> <li>- Clicking on a segment applies the filter for the selected category to all tiles on the dashboard</li> <li>- The selected category is aggregated by Sum, Count, Average, Max, or Min</li> </ul>
<p><b>Gauge</b></p> 	<ul style="list-style-type: none"> <li>- Visualization of scalar values e.g. average use period, total count of products or other KPI values</li> </ul>	<ul style="list-style-type: none"> <li>- Aggregation of the selected value column by Sum, Count, Average, Max, or Min operator</li> </ul>
<p><b>Table</b></p> 	<ul style="list-style-type: none"> <li>- Display selected columns of your data table</li> </ul>	<ul style="list-style-type: none"> <li>- Sort the displayed values by clicking on the table header.</li> <li>- Clicking on the table header also opens a column related filter which will be applied to all tiles on the dashboard.</li> <li>- Download the dat file or a pdf report.</li> </ul>

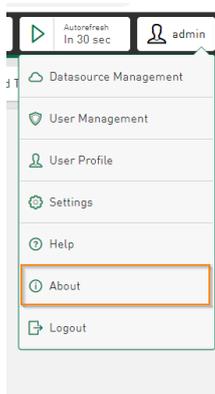


## System requirements

- **Support of 64 Bit systems only**  
*Windows 8.1 (x64), Windows 2012 Server R2 (x64), Windows 10 (x64), Windows Server 2016 (x64), Windows Server 2019 (x64), Windows Server 2022 (64), Windows 11 (x64),*
- **.net Framework 6 is included when you install ibaDaVIS**
- **CodeMeter Runtime for Windows v7.21a or higher (most recent version is included in installer)**
- **Supported Browser: Google Chrome, Mozilla Firefox, Microsoft Edge**

## Where to get support and other useful information

- The *About* page offers the license info and contact information for your region.



ibaDaVIS	
Version	<b>v3.0.0</b>
License container	3-4326749
Customer name	iba AG
Container type	WIBU CmStick v4.3
Container host	IBA-FUE-NOTE518
Required EUP date	09/19/2023
EUP date	12/31/2024
License information	ibaDaVIS Demo ibaDaVIS Tiles Demo (252, Demo Limit 12/31/2024) License agreement Third party licenses
Tile licenses	Total: 252 used: 84 free: 168
Build information	82f73563 19.09.2023 09:20:35
Support	Contact Information

Find our local partner at the contact information page

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- Start the integrated Help to get detailed information about the ibaDaVIS controls and features.

