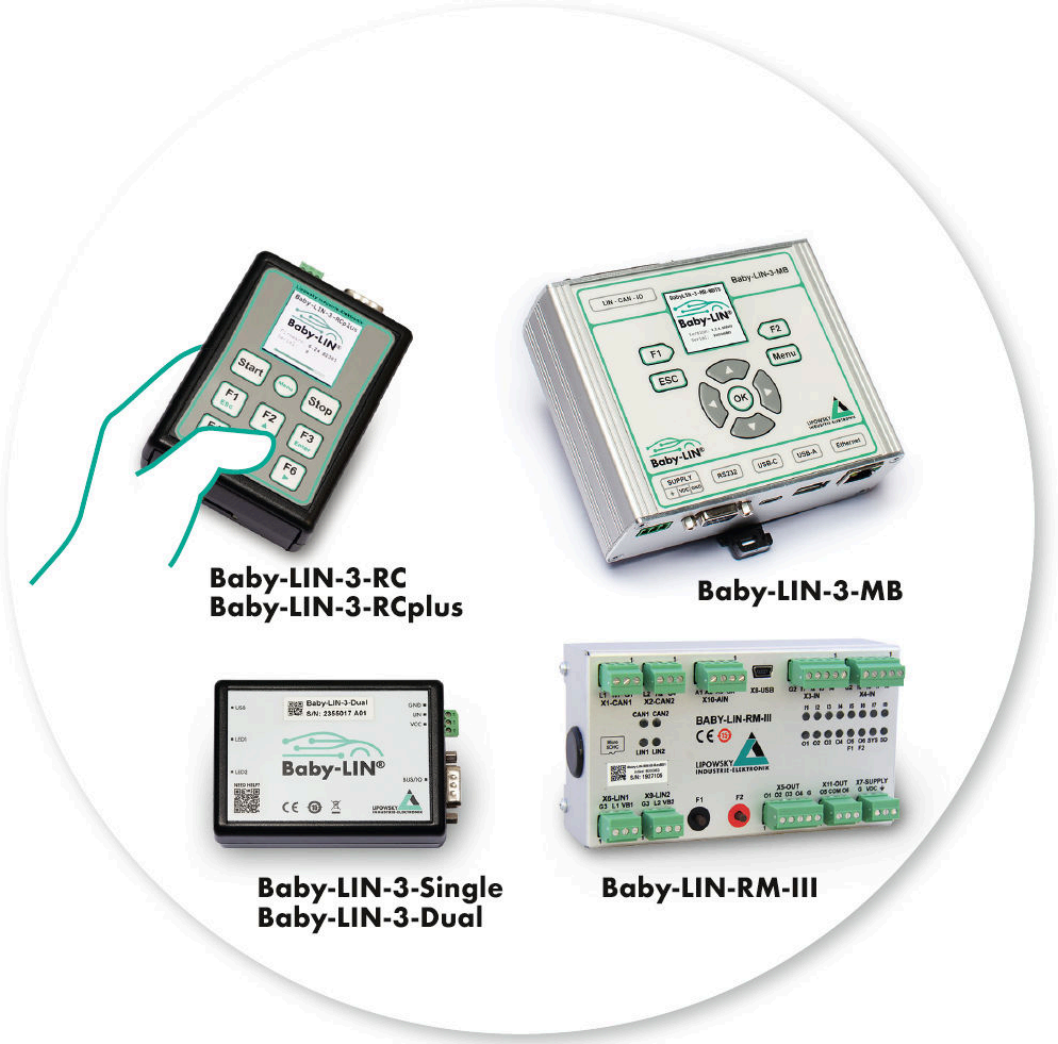
LIPOWSKY
INDUSTRIE-ELEKTRONIK



Downloads and Updates

Application Note V1.2

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1 Updates

1.1 Update philosophy

The functionality and features of the Baby-LIN are defined by the installed firmware as well as the used versions of the LINWorks and Baby-LIN-DLL.

As we are permanently working on product improvements, the software and firmware are updated periodically. These updates make new features available and solve problems, which have been discovered by our internal tests or have been reported by customers with earlier versions.

All the firmware updates are done in a way, that the updated Baby-LIN will continue to work with an already installed, older LINWorks installation. So updating the Baby-LIN firmware does not mean, that you necessarily have to update your LINWorks installation as well.

We also recommend to also update your LINWorks software and Baby-LIN-DLL, if new updates get available. Since new versions of the SessionConf may introduce new features to the SDF format, it is possible that older firmware, SimpleMenu or Baby-LIN-DLL versions are not compatible. Therefor you should also update them.

So the sole reason to stay with an older LINWorks version should be, that you use a Baby-LIN with outdated firmware version, which you can't upgrade for whatever reason.

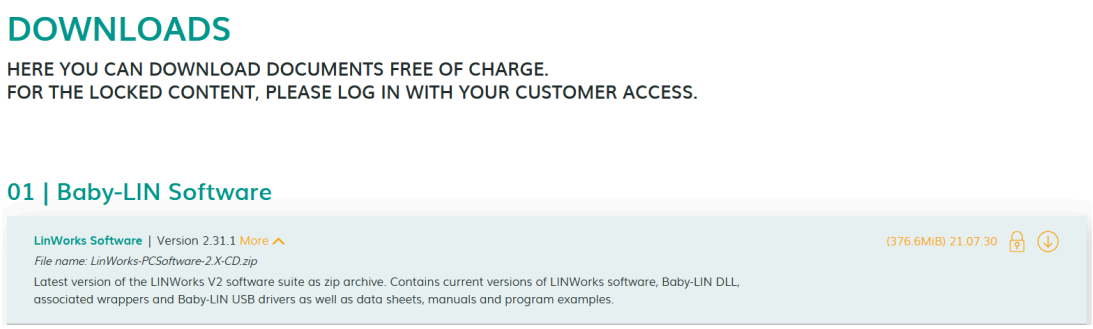
Tip
Therefore it is highly recommended to always update your Baby-LIN to the latest available firmware version and also update the LINWorks as well as the Baby-LIN-DLL to latest version.

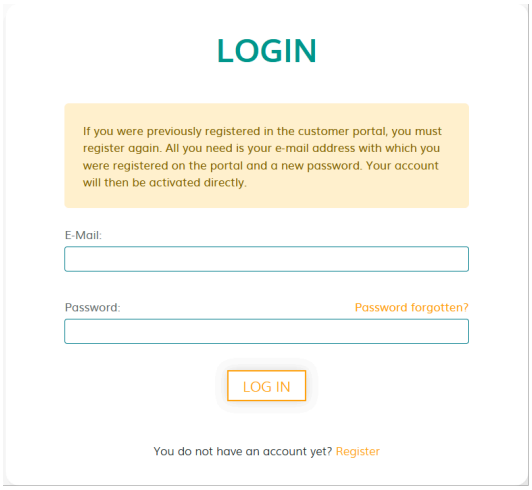
1.2 Downloads

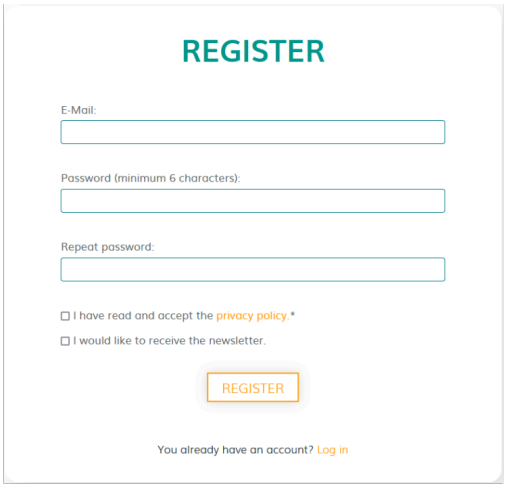
The latest version of our software, firmware and documents can be found in the download area on our website *www.lipowsky.de*.

Information
The **LINWorks** archive contains not only the **LINWorks** software but also the manuals, data sheets, application notes and examples. Only the device firmware packages are not included. The firmware is available as separate package.

Documents such as the data sheets or introductions to LIN bus communication are freely available for download. For all other documents and our LINWokrs software you have to log in. If you do not have a customer account yet you can register on our website. After your account has been activated by us you will receive an e-mail and then you have full access to our download offer.







1.3 Installation

The LINWorks suite is delivered with a handy setup application. If you already have installed an older version you can simply install the newer versions. The setup application will take care of overwriting the required files. Simply follow these steps:

- Start the "Setup.exe".
- Select the components you want to install.
- Follow the instructions.

Attention
Please stop all running LINWorks applications and disconnect all Baby-LIN devices before starting the installation.

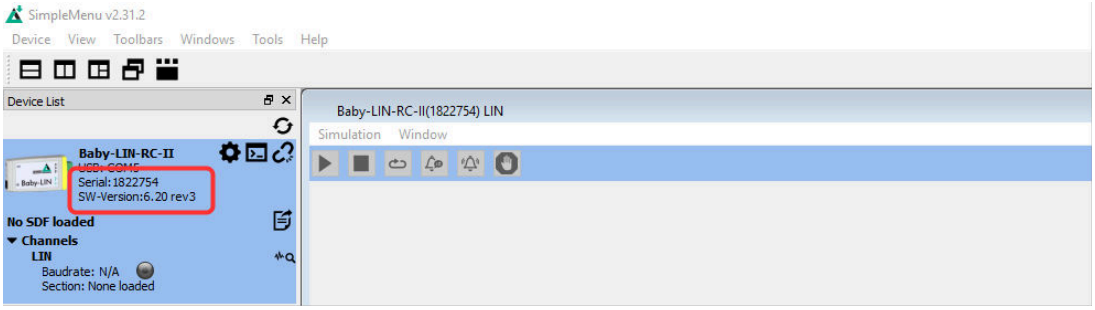
Version incompatibility
If you have used the SessionConf and SimpleMenu with version V1.x.x, the new version will be installed parallel to the old ones.
Therefor you have to use the new shortcuts to start the new version.

1.4 Check version

If you want to check the current version of the Baby-LIN firmware or a LINWorks component the following chapter shows you how it is done:

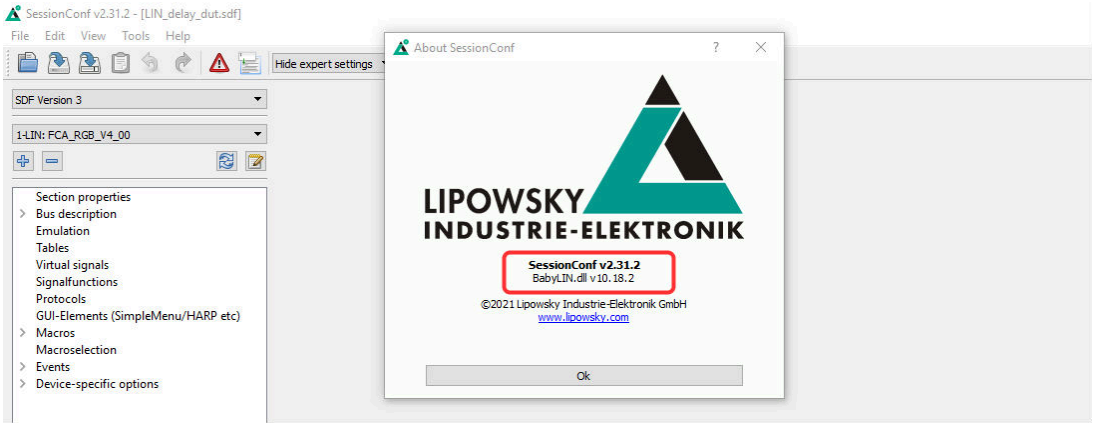
1.4.1 Baby-LIN-Device firmware

Start the SimpleMenu and connect to the Baby-LIN. Now the firmware version is visible in the device list.



1.4.2 LINWorks (LDFEdit, SessionConf, SimpleMenu, LogViewer)

Select the menu option "Help"/"About"/"Info". The info dialog will show the software version.



1.4.3 Baby-LIN-DLL

Call `BLC_getVersionString()`. The version is returned as string.

1.4.4 Baby-LIN-DLL .NET Wrapper

Call `GetWrapperVersion()`. The version is returned as string.

1.5 Firmware update

1.5.1 Introduction

The firmware is stored in the flash memory of the Baby-LIN and can easily be programmed from a PC. The update process uses an ISP (In-system programming) operation and can be executed in the field.

As we are permanently working on product improvements, the firmware is updated periodically. These updates make new features available and solve problems, which have been discovered by our internal tests or have been reported by customers with earlier versions. All the firmware updates are done in a way, that the updated Baby-LIN will continue to interwork with an already installed, older LINWorks installation. So updating the Baby-LIN firmware does not mean, that you necessarily have to update your LINWorks installation as well. Therefor it is highly recommended to always update your Baby-LIN to the latest available firmware version.

1.5.2 Required software

The following downloads are required to update the firmware of the Baby-LIN:

Download archive	Baby-LIN Device	Description
BabyLinDriverSetup.exe	Baby-LIN-II, -RC-II, -RM-III & HARP-5	This setup contains the Baby-LIN driver. It is required to update the firmware.
Firmware update package Baby-LIN/-II/-3 (RC/RM/HARP)	All devices except Baby-LIN-MB-II & Baby-LIN-3-MB	This package contains the firmware as well as the update tool "BLprog".
V2 Firmware update package Baby-LIN-MB-II	Baby-LIN-MB-II	This package contains the firmware for the Baby-LIN-MB-II.

1.5.3 Update the firmware

To update the firmware of the Baby-LIN you have to follow these steps:

Attention
If you want to update the HARP-5, you first must place it into PC mode by switching it on and pressing the "PC" labeled key.

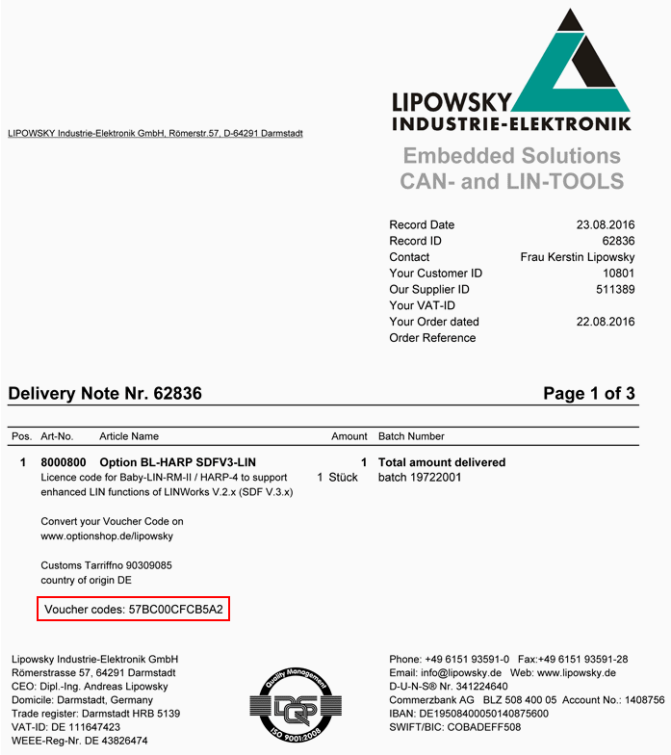
- Install the drivers for the Baby-LIN, if you have not already installed them or your Baby-LIN needs them.
- Connect the Baby-LIN with your PC.
- Unpack the firmware archive.
- Start the "BLprog.exe". A command prompt will be opened and guide you through the process.
- If you have other Baby-LIN products aside the Baby-LIN connected with the PC, you will be asked which Baby-LIN product you want to update.
- Press the "y" key to confirm the correct firmware and start the flash process.
- Wait until the flashing finished.
- After the flashing has finished press the "Enter" key to exit the tool.

Tip
If you have other Baby-LIN products aside the Baby-LIN connected with the PC you will later be asked to select one. This could easily lead to confusions and flashing the wrong device. Therefor we recommend connecting only one Baby-LIN product during a firmware update.

2 Handle voucher and activation codes

Information
See the devices datasheet which additional options are currently available and require an activation code.

2.1 Convert a voucher code into an activation code



LIPOWSKY Industrie-Elektronik GmbH, Römerstr.57, D-64291 Darmstadt

LIPOWSKY INDUSTRIE-ELEKTRONIK
Embedded Solutions
CAN- and LIN-TOOLS

Record Date	23.08.2016
Record ID	62836
Contact	Frau Kerstin Lipowsky
Your Customer ID	10801
Our Supplier ID	511389
Your VAT-ID	
Your Order dated	22.08.2016
Order Reference	

Delivery Note Nr. 62836 **Page 1 of 3**

Pos.	Art-No.	Article Name	Amount	Batch Number
1	8000800	**Option BL-HARP SDFV3-LIN** Licence code for Baby-LIN-RM-II / HARP-4 to support enhanced LIN functions of LINWorks V.2.x (SDF V.3.x)	1 Stück	1 **Total amount delivered** batch 19722001

Convert your Voucher Code on
www.optionshop.de/lipowsky

Customs Tarriffno 90309085
country of origin DE

Voucher codes: 57BC00CFCB5A2

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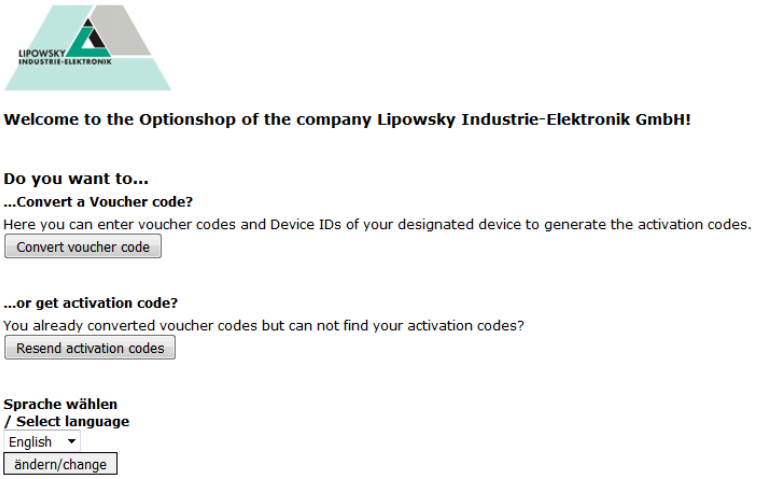
IBAN: DE19508400050140875600
SWIFT/BIC: COBADEFF508

These voucher codes have to be converted into activation codes using the target device's serial number. This can be done using the Lipowsky optionshop: *www.optionshop.de/lipowsky*. On this website click on "Convert voucher code".

Warning
If you convert a voucher code into an activation code it will be bound to the device which serial number you entered. Once activated the voucher code can not be used for another device. There is no possibility to export an activation code from a device and regain your voucher code!



LIPOWSKY INDUSTRIE-ELEKTRONIK

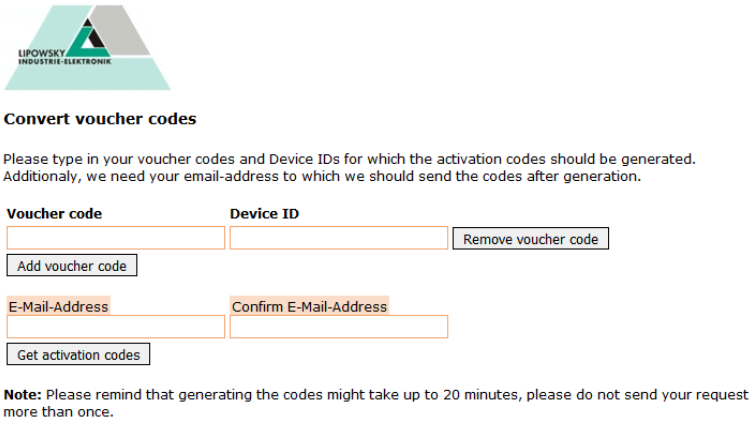
Welcome to the Optionshop of the company Lipowsky Industrie-Elektronik GmbH!

Do you want to...
...Convert a Voucher code?
Here you can enter voucher codes and Device IDs of your designated device to generate the activation codes.
Convert voucher code

...or get activation code?
You already converted voucher codes but can not find your activation codes?
Resend activation codes

Sprache wählen
/ Select language
English
ändern/change

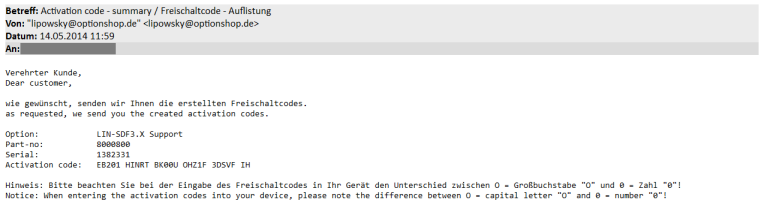
On the next site you have to enter the voucher code and the serial number (sometime referred to as "Device ID") of the device you want the activation code for. Enter your e-mail address and click on "Get activation codes".



A table will display all important information including the created activation code.

Device ID	Voucher code	Option	Part-no	Activation code
1382331	5333DD5EDEDE1	LIN-SDF3.X Support	8000800	EB201 HINRT BK00U OHZ1F 3DSVF IH

Additionally you will receive an e-mail with your activation codes.

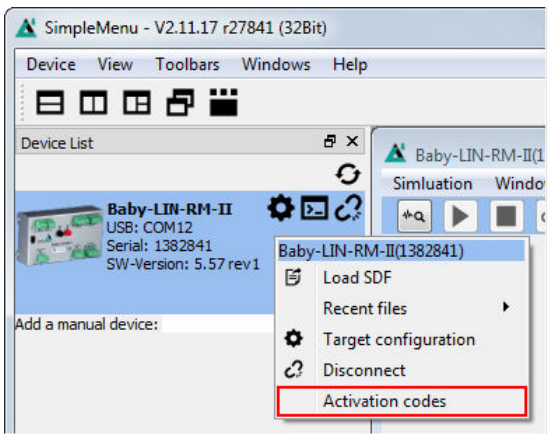


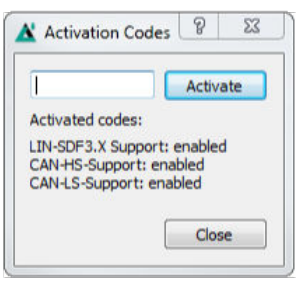
Version incompatibility

The conversion of voucher codes into an activation codes may take some time. It can take up to 20 minutes until you receive your activation codes via e-mail.

2.2 Redeem an activation code

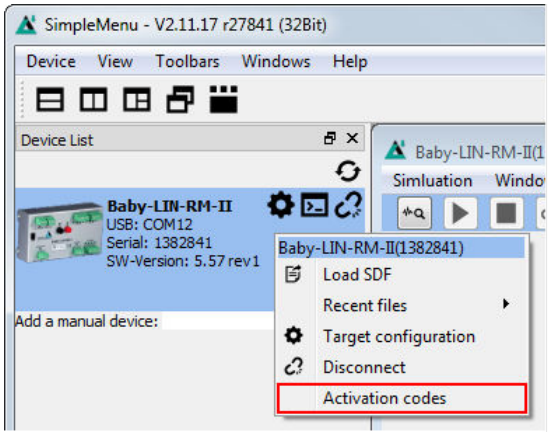
The SimpleMenu can be used to redeem activation codes. Please connect the Baby-LIN with a free USB port on a PC. Now start the SimpleMenu and establish a connection with your Baby-LIN. Right-click on the device image in the device list on the left and then choose "Activation codes". Enter your activation code in the new dialog and click on "Activate".

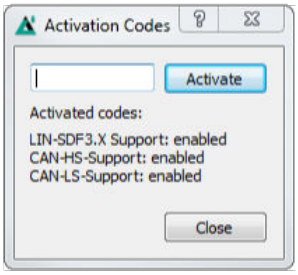




2.3 Check the installed activation codes

The installed activation codes can be displayed using the SimpleMenu. Please connect the Baby-LIN with a free USB port on a PC. Now start the SimpleMenu and establish a connection with your Baby-LIN. Right-click on the device image in the device list on the left and then choose "Activation codes". A dialog will then show you the installed activation codes.





3 Support information

In case of any questions you can get technical support by email or phone. We can use TeamViewer to give you direct support and help on your own PC. This way we are able to sort out problems fast and direct. We have sample code and application notes available, which will help you to make your job.

Lipowsky Industrie-Elektronik GmbH realized many successful LIN and CAN related projects and therefor we can draw upon many years of experience in these fields. We also provide turn key solutions for specific applications like EOL (End of Line) testers or programming stations.

Lipowsky Industrie-Elektronik GmbH designs, produces and applies the Baby-LIN products, so you can always expect qualified and fast support.

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