ALVASYS-DR-Telegram Driver

Software installation and configuration manual.

Ver: 1.0

Date: January 20, 2025

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1   History

Rev.	Date	Author	Description
	January 22, 2025	Marcello Meriano	First draft

2   index

3   Confidentiality Notice

4   introduction

Requirements

- Niagara 4.x(>= 4.7)

- A license to use the **alvassiTELEGRAM** driver is necessary! The License is included with newly issued licenses, if not please provide the Host ID + Serial Number and the info@alvasys.ch send.

- **Telegram account!**

5 Telegram bot and group

The best way to create the Telegram bot is on the web! Important: You must already have the APP installed on your mobile phone! **For your information there is only one bot per JACE, but multiple groups can be made per bot!**

https://web.telegram.org/k/and connect to your mobile phone:
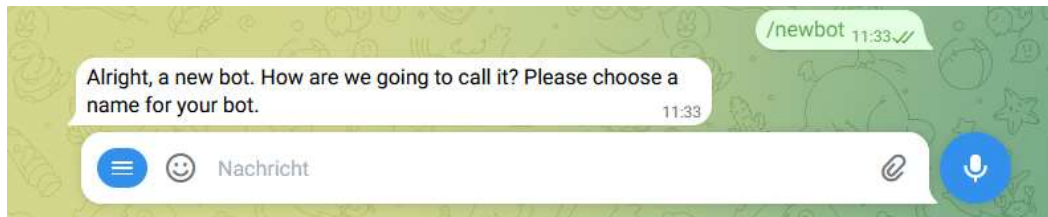

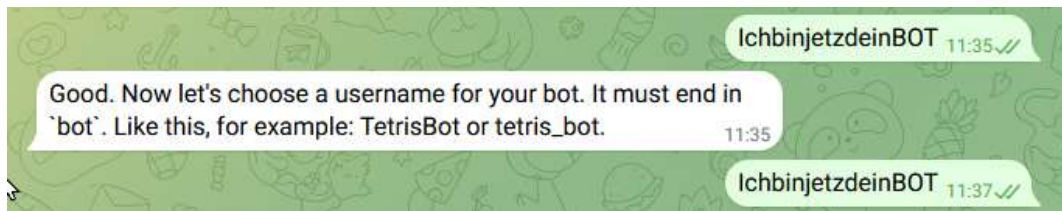1. Set up your own account: Search for BotFather and select it!

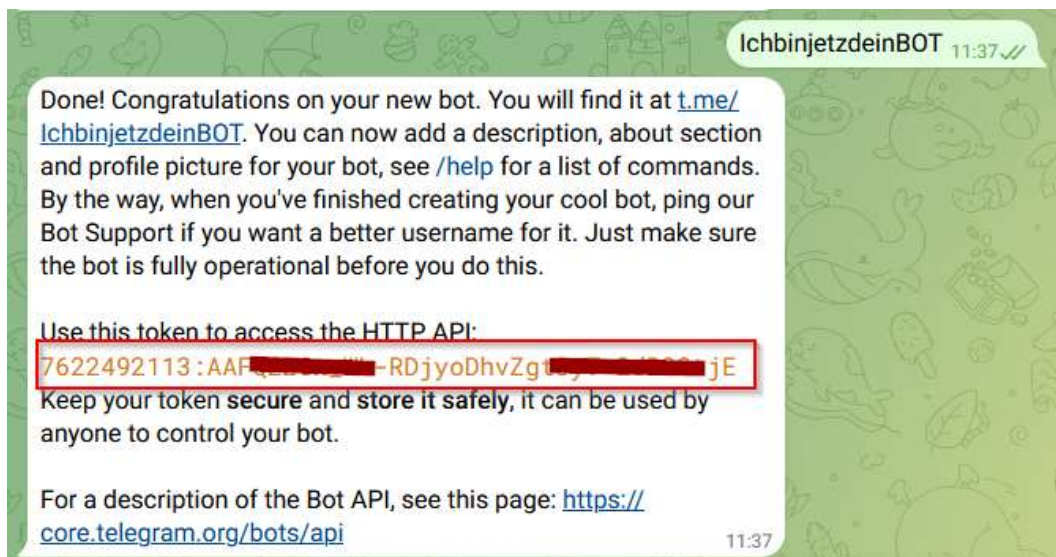2. own bot create under BotFather:

/newbot

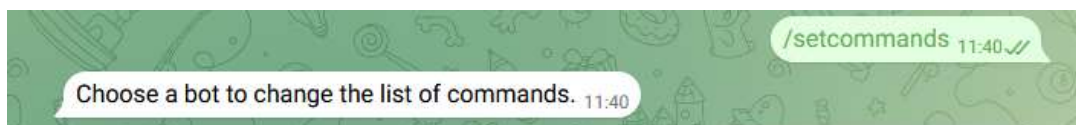**Give name: IchbinjetzdeinBOT (name for your BOT)**
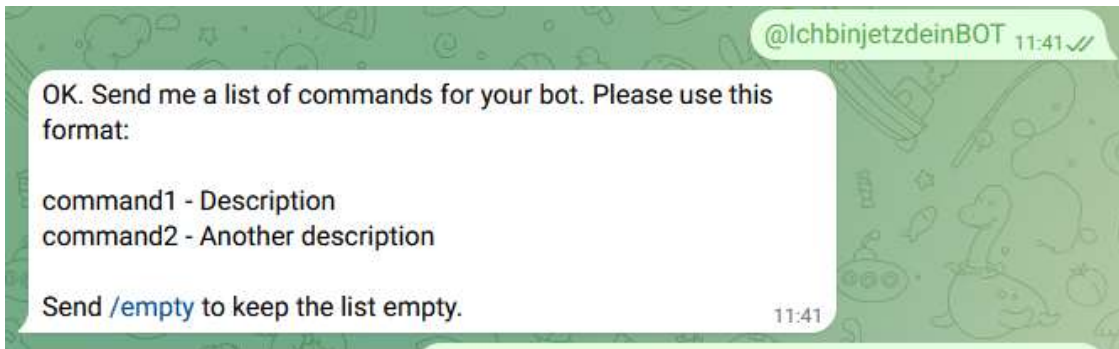

Enter user name: IchbinjetzdeinBOT

Please save user and token!!

Also configure the acknowledgement directly in the same chat!

/setcommands
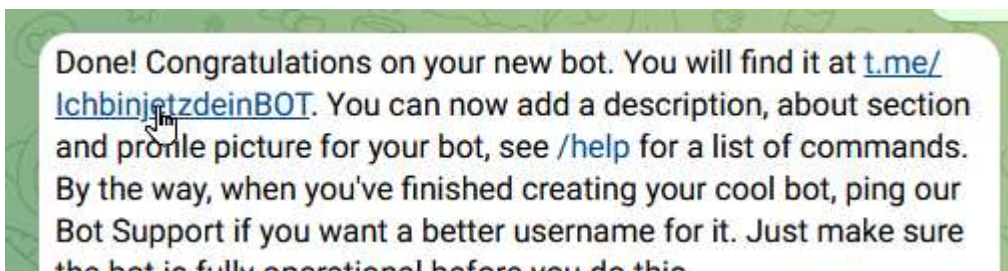
@IchbinjetzdeinBOT your bot

> OK. Send me a list of commands for your bot. Please use this format:
>
> command1 - Description
> command2 - Another description
>
> Send /empty to keep the list empty. 11:41
>
> @IchbinjetzdeinBOT 11:41 ✓✓

ack – Specify the Alarm UUID to acknowledge it.

> ack - Specify the Alarm UUID to acknowedge it. 11:44 ✓✓
>
> Success! Command list updated. /help 11:44

Your bot is now finished!

Now call your bot! @I'mnowyourBOT

> Done! Congratulations on your new bot. You will find it at t.me/IchbinjetzdeinBOT. You can now add a description, about section and profile picture for your bot, see /help for a list of commands. By the way, when you've finished creating your cool bot, ping our Bot Support if you want a better username for it. Just make sure the bot is fully operational before you do this.
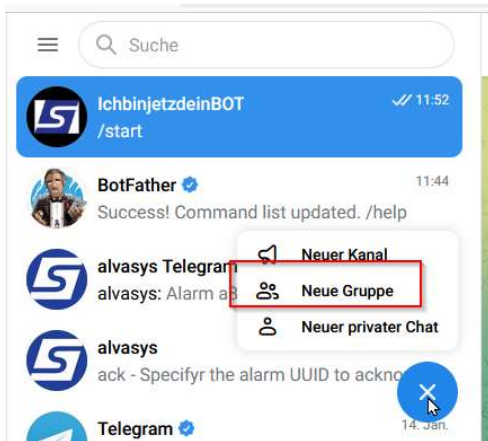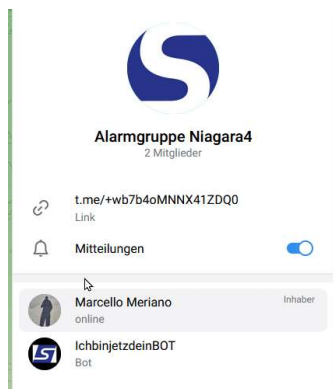
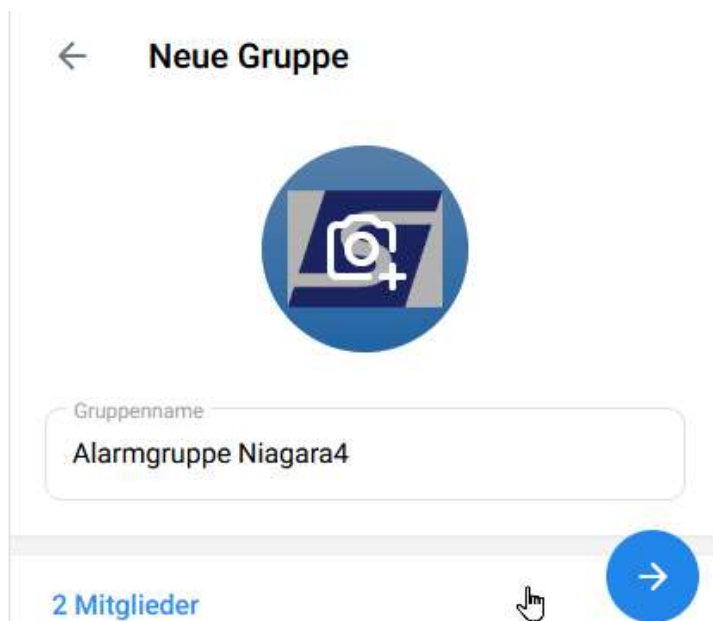**START**

/start

Adjust icons and description if desired
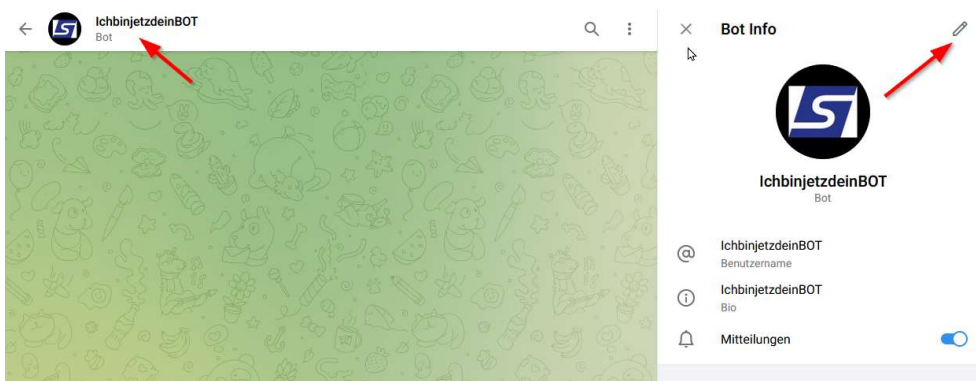
A group with the rightCreate alarm recipients:

Select the people who should be in this alarm group.**Important: Your bot (I'mnowyourBOT) must also be a member of this group!**

Assign names and icons! And more→

Chat ID Remember: (in browser

https://web.telegram.org/a/#-xxxxxxxxxxxxx

Telegram is set up!

6 modules

The modules of the driver**alvassiTELEGRAM** contains two

- **alvassiTELEGRAM-rt.jar**
- **alvassiTELEGRAM-wb.jar**

Compatibility

Platforms

The driver**alvassiTELEGRAM**runs on Niagara 4.x(>= 4.7) platforms.

Test with the version

Niagara 4.14.x

6 Lizenz

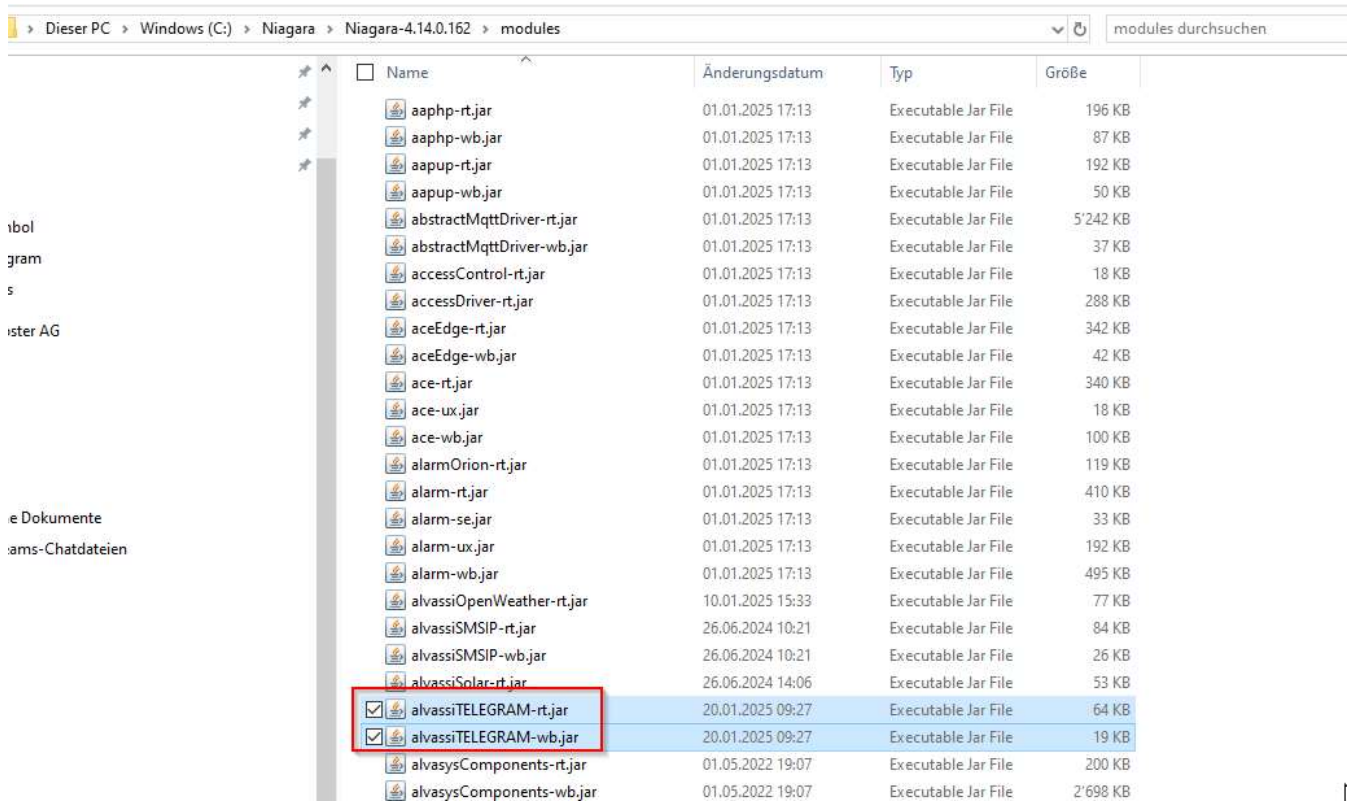Without a license, sending and receiving of theNo news!

Licenses:

SSI-DR-TELEGRAM5	for 5 alarm groups
SSI-DR-TELEGRAMIP15	for 15 alarm groups
SSI-DR-TELEGRAMIP50	for 50 alarm groups
SSI-DR-TELEGRAMIP1U	Update + 1 alarm group
SSI-DR-TELEGRAMIP5U	Update + 5 alarm group
SSI-DR-TELEGRAMIP10U	Update + 10 alarm group

7 Installing the modules

Insert the modules under your installation:

C:\Niagara\Niagara-4.Versionxyz\modules

Step 1	First, unzip the files containing the driver and technical notes.
Step 2	Copy the two JAR files into the module directory of your Niagara Work Bench.
Step 3	Restart your Work Bench.
Step 4	After rebooting, the file should appear in the list of available software. This can be viewedby clicking on the "Software Manager" section of your Work Bench platform

To install the driver on the JACE/HAWK unit, follow these steps:

| Step 1	The Work Bench allows you to connect to aManufacture JACE/HAWK barrel unit.
Step 2	Transfer the**alvassiTELEGRAM**module into the device under the Modules folder.
Step 3	This can be done by activating the standard Tridium software upgrade procedure or by simply copying theJAR files can be transferred using the File Transfer Client method available in the Platform Options list in your Workbench. The destination directory in Jace8000 is: /opt/niagara/modules For more details on transferring files from Work Bench to JACE/HAWK units, see the official Tridium documentation.
Step 4	After copying the driver to the JACE/HAWK unit, force a reboot.

7 Installing TELEGRAM modules

Inserting the modules underthe service JACE/MAC/HAWK/

Open the palette:

Install TelegramService under Service!
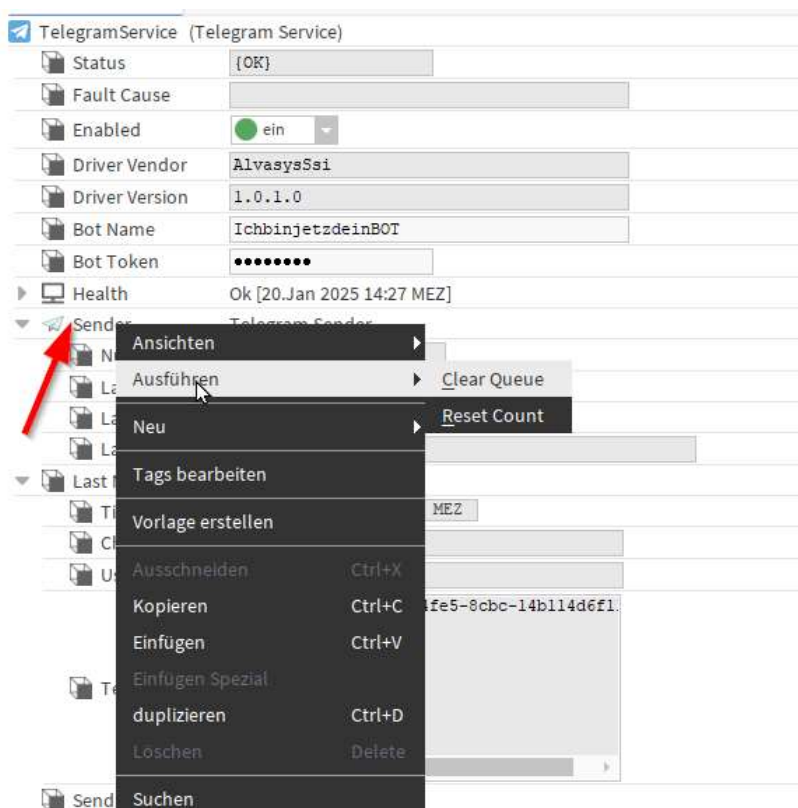
Install this on the JACE/HAWK/MAC/ like this.
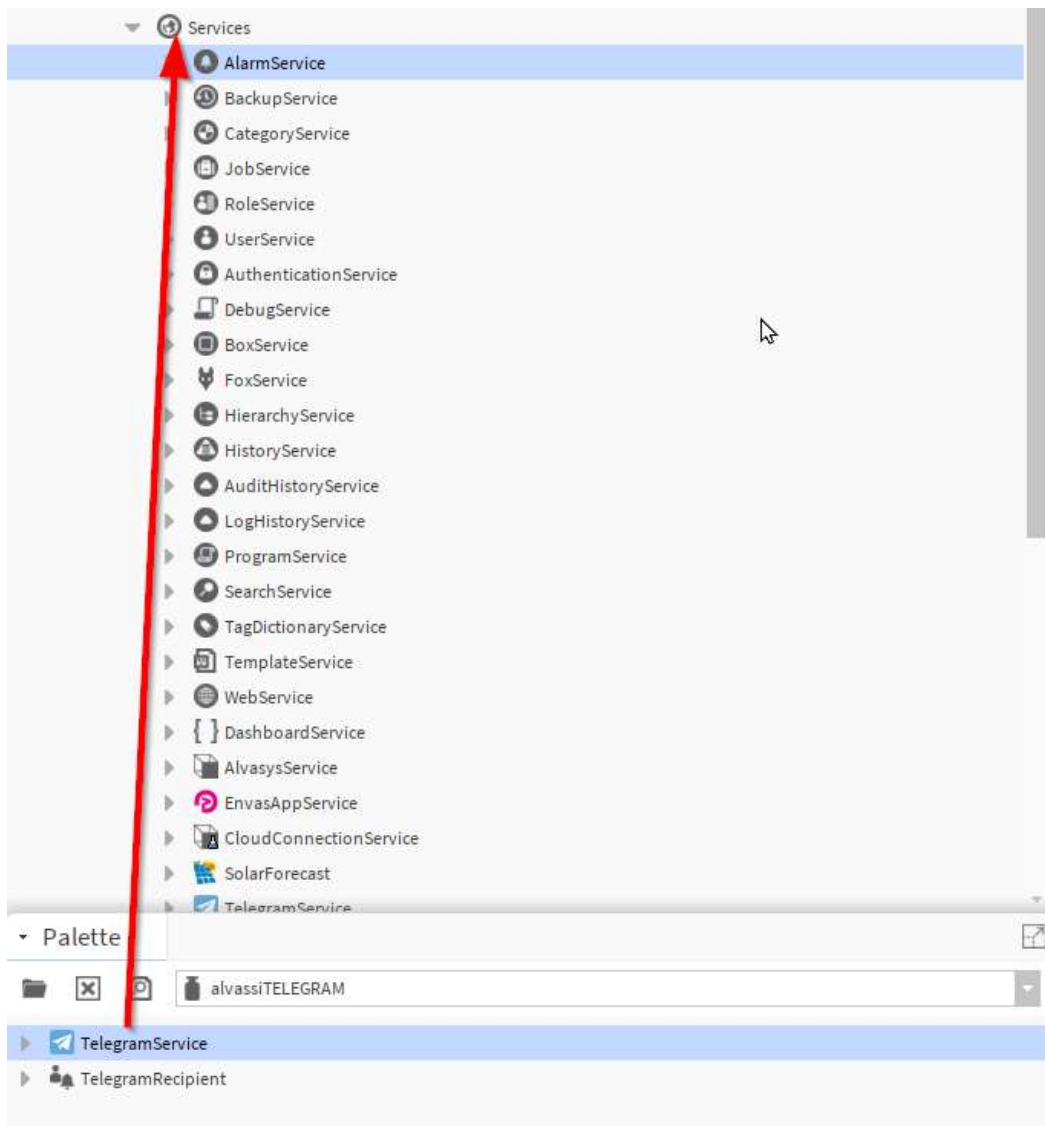
Setting in the Telegram service

Enable service: Shows how many messages are still pending and which ones were last received.

|		
Bot Name:	from Telegram	IchbinjetzdeinBOT.
Bot Token:	from Telegram to BotFather	762249█████████DhvZgt3yT-2dB90tjE

Right click on the station you can still see the news→Clear Queue (delete the messages still to be sent) Reset Count (delete the counter)

+41 (0)44 261 00 70 info@alvasys.ch / www.alvasys.ch / www.alvasys.de   alvasys automation ag / Hermetschloostrasse 75 / CH-8048 Zürich
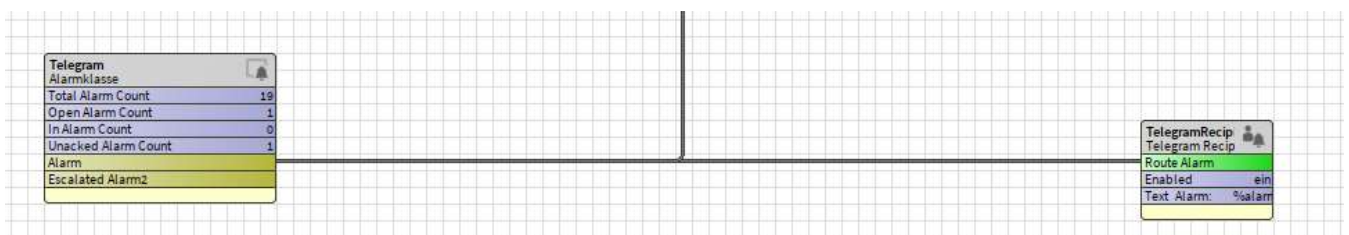
![alvasys logo]

Setting up and configuring Telegram Recipient (JACE/MAC/HAWK)

Insert the Telegram Recipient into the Alarm Service
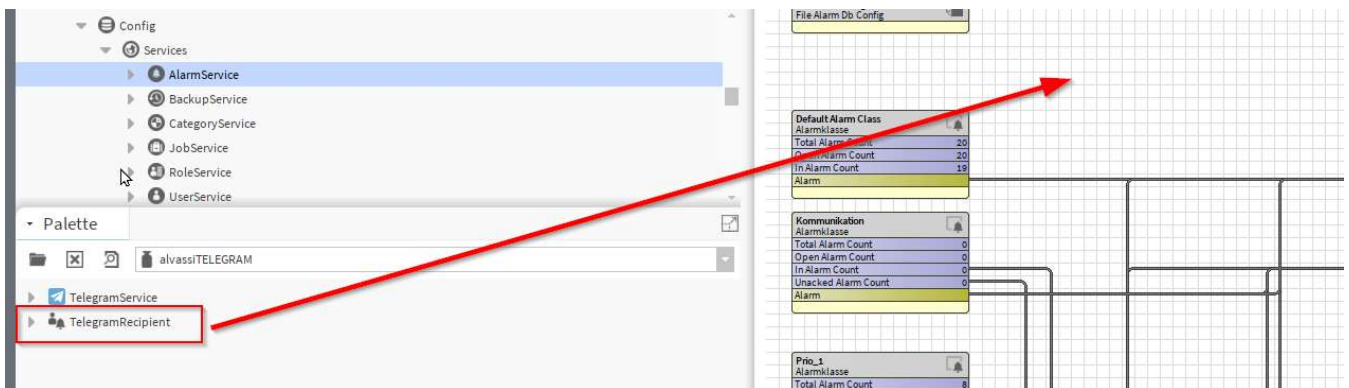
Connect to the desired alarm class!

Setting the desired alarm text (BFormat)
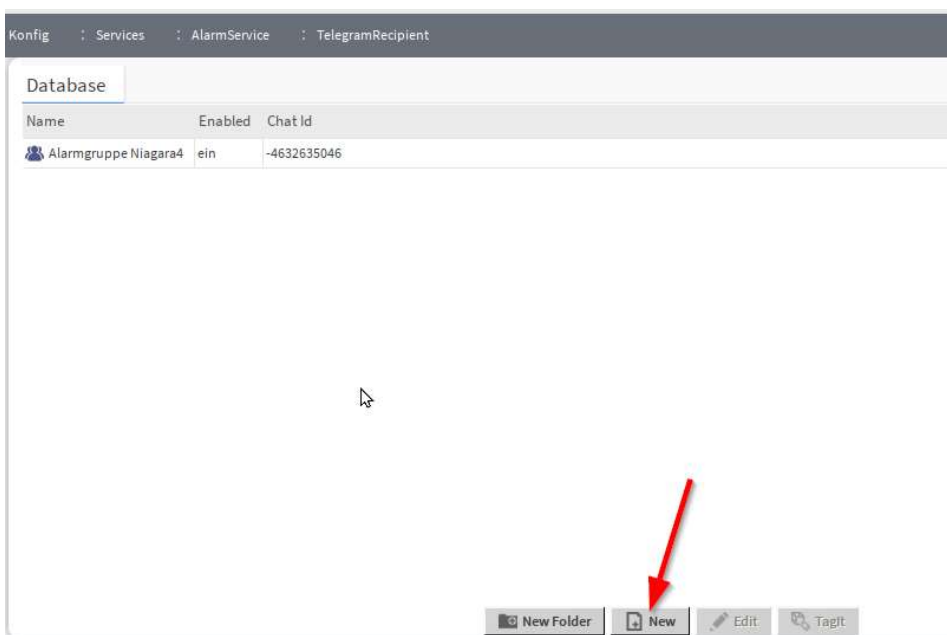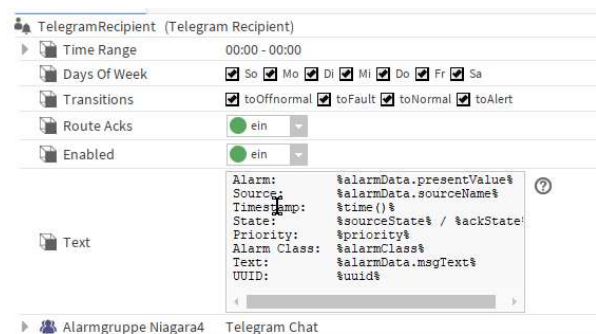
Source:%alarmData.sourceName%

Timestamp:%timestamp%

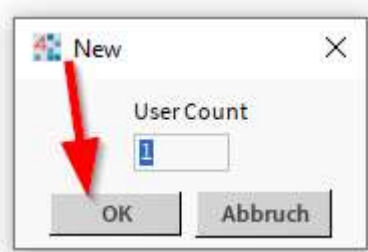**State:%sourceState% / %ackState%**

Priority:%priority%

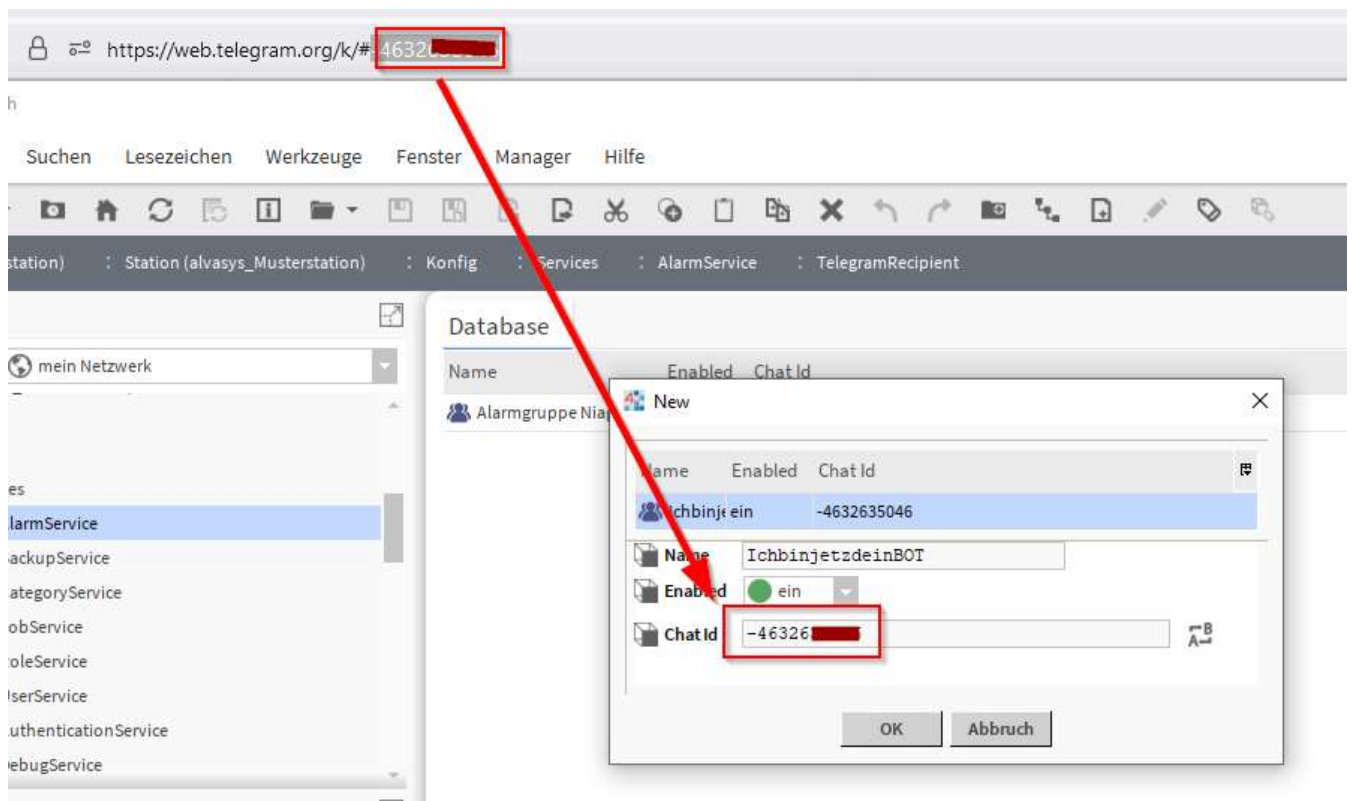**Alarm Class:%alarmClass%**

Text:%alarmData.msgText%

UUID:%uuid%

Add new users:

Filling in the data:

Name:	Name of the alarm group in Telegram	**IchbinjetzdeinBOT**
Chat ID:	Chat ID of Telegram group	**-4607045xx6**

Now the system is ready to send and acknowledge alarms!

Alarms that arrive in the Telegram group can be freely adapted to recipients in the alarm text.

If the alarms need to be acknowledged, it is necessary to send the UUID.

Acknowledge alarms:

/ack and the**UUID**must be in the text!

/ack 8a691470-21b0-4012-ad20-4e6e76514e89

As soon as the usersare configured correctly, the ping can also be executed!