

# ALVASYS-DR-Telegram Driver

Software installation and configuration manual.

Ver: 1.0

Date: January 20, 2025

Author: M.Meriano

## 1 History

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

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### 3 Confidentiality Notice

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### 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](mailto: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:



Log in to Telegram by QR Code

1. Open Telegram on your phone
2. Go to Settings > Devices > Link Desktop Device
3. Point your phone at this screen to confirm login

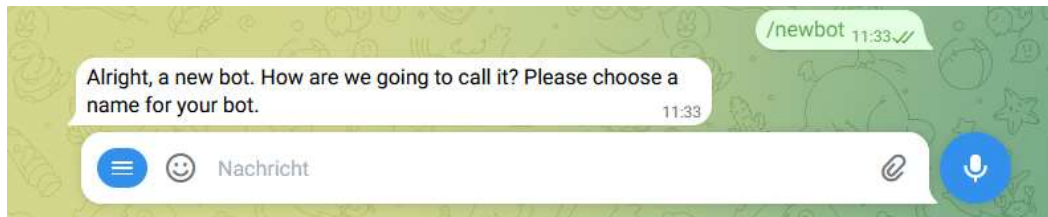
[LOG IN BY PHONE NUMBER](#)

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

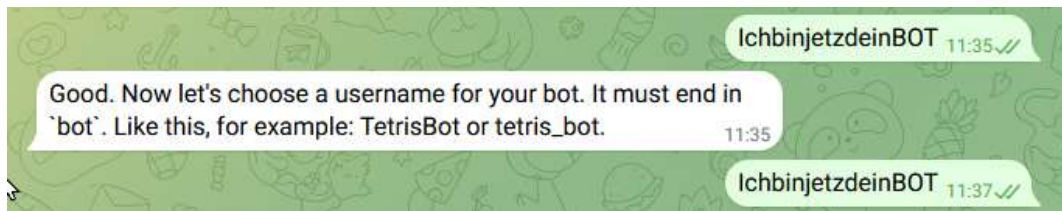


2. own bot create under BotFather:

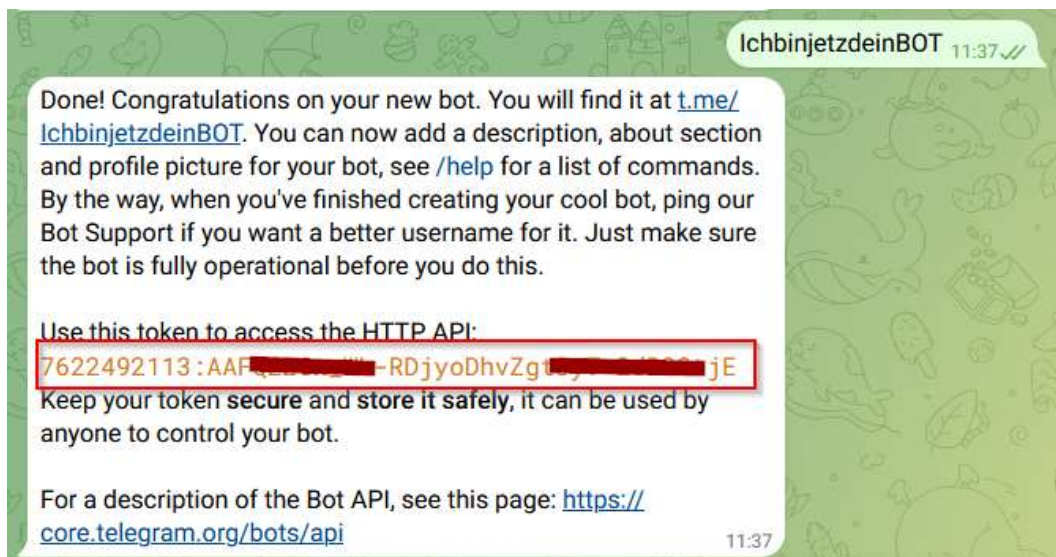
**/newbot**



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



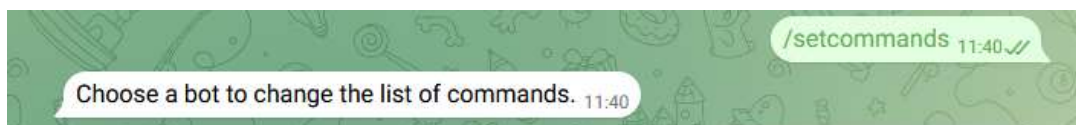
**Enter user name: IchbinjetzdeinBOT**



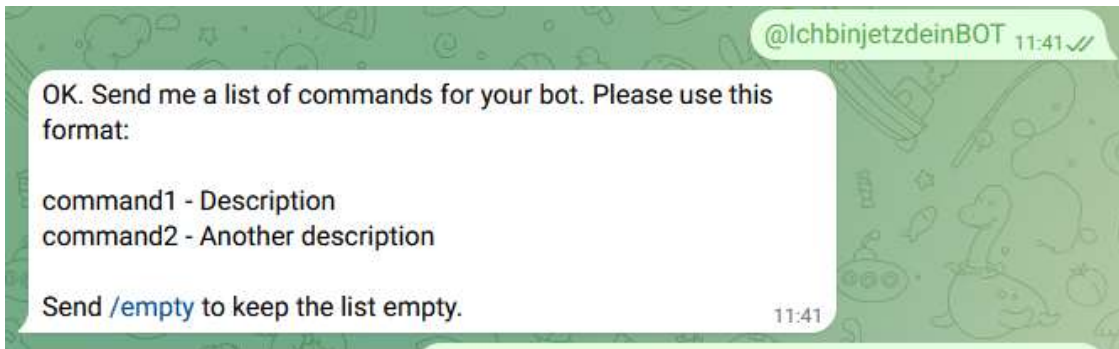
**Please save user and token!!**

Also configure the acknowledgement directly in the same chat!

**/setcommands**



**@IchbinjetzdeinBOT your bot**

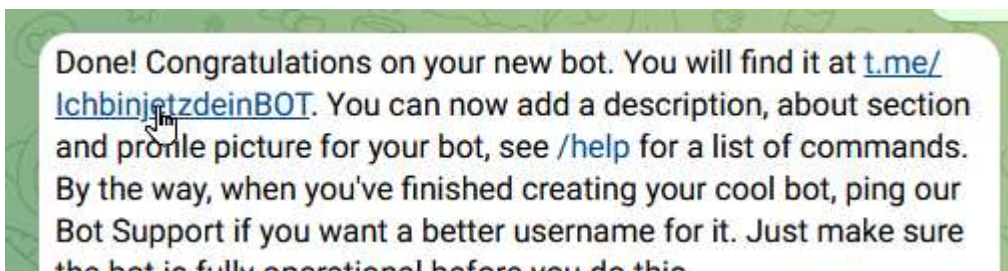


**ack – Specify the Alarm UUID to acknowledge it.**



Your bot is now finished!

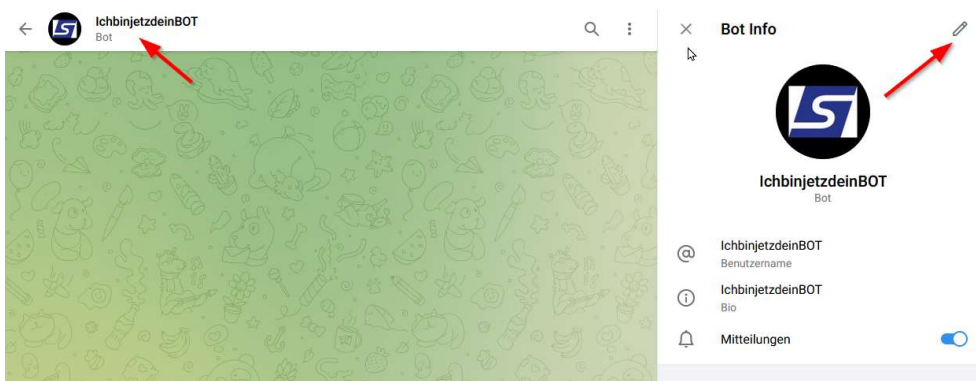
Now call your bot! @I'mnowyourBOT



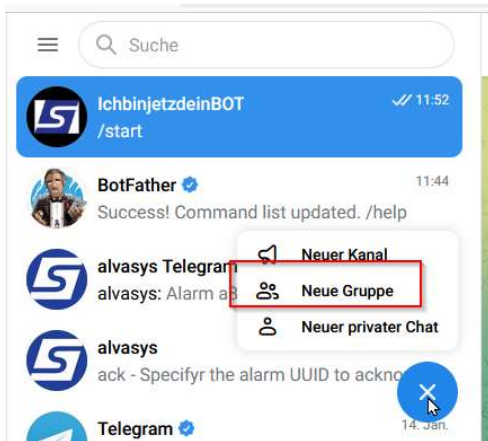
## START

/start

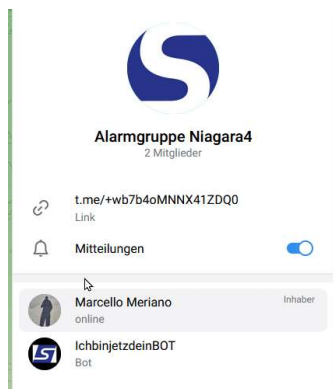
Adjust icons and description if desired



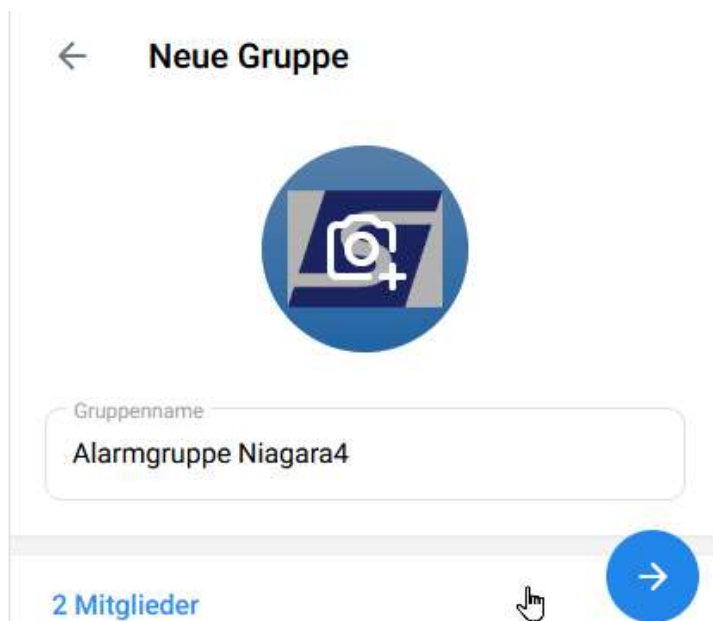
A group with the rightCreate alarm recipients:



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 IDRemember: (inbrowser

<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 the No news!

Licenses:

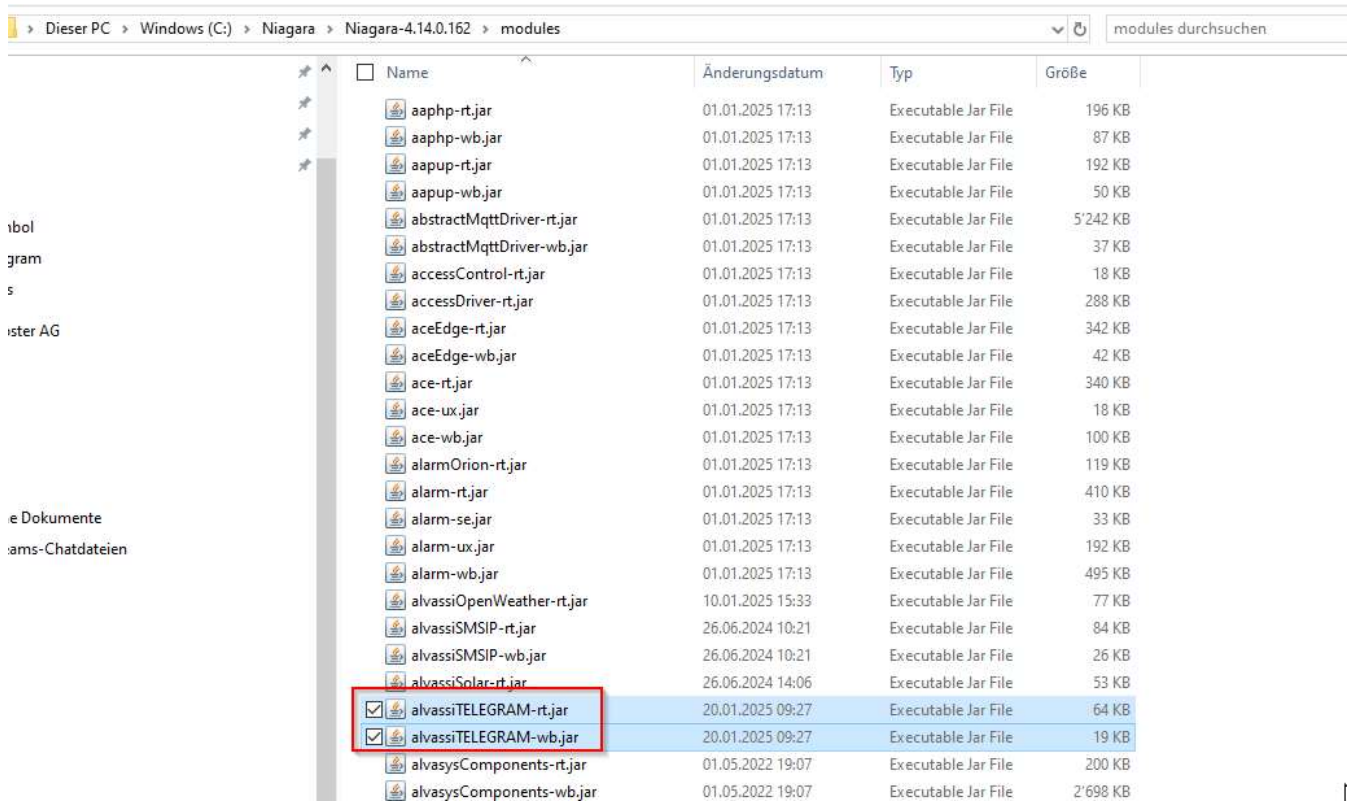
SSI-DR-TELEGRAM5	for 5 alarm groups
SSI-DR-TELEGRAMIP15	for 15 alarm groups
SSI-DR-TELEGRAMIP50	for 50 alarm groups
SSI-DR-TELEGRAMIP1U	Update + 1 alarm group
SSI-DR-TELEGRAMIP5U	Update + 5 alarm group
SSI-DR-TELEGRAMIP10U	Update + 10 alarm group



## 7 Installing the modules

Insert the modules under your installation:

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



Name	Änderungsdatum	Typ	Größe
aaphp-rt.jar	01.01.2025 17:13	Executable Jar File	196 KB
aaphp-wb.jar	01.01.2025 17:13	Executable Jar File	87 KB
aapup-rt.jar	01.01.2025 17:13	Executable Jar File	192 KB
aapup-wb.jar	01.01.2025 17:13	Executable Jar File	50 KB
abstractMqttDriver-rt.jar	01.01.2025 17:13	Executable Jar File	5'242 KB
abstractMqttDriver-wb.jar	01.01.2025 17:13	Executable Jar File	37 KB
accessControl-rt.jar	01.01.2025 17:13	Executable Jar File	18 KB
accessDriver-rt.jar	01.01.2025 17:13	Executable Jar File	288 KB
aceEdge-rt.jar	01.01.2025 17:13	Executable Jar File	342 KB
aceEdge-wb.jar	01.01.2025 17:13	Executable Jar File	42 KB
ace-rt.jar	01.01.2025 17:13	Executable Jar File	340 KB
ace-ux.jar	01.01.2025 17:13	Executable Jar File	18 KB
ace-wb.jar	01.01.2025 17:13	Executable Jar File	100 KB
alarmOrion-rt.jar	01.01.2025 17:13	Executable Jar File	119 KB
alarm-rt.jar	01.01.2025 17:13	Executable Jar File	410 KB
alarm-se.jar	01.01.2025 17:13	Executable Jar File	33 KB
alarm-ux.jar	01.01.2025 17:13	Executable Jar File	192 KB
alarm-wb.jar	01.01.2025 17:13	Executable Jar File	495 KB
alvassiOpenWeather-rt.jar	10.01.2025 15:33	Executable Jar File	77 KB
alvassiSMSIP-rt.jar	26.06.2024 10:21	Executable Jar File	84 KB
alvassiSMSIP-wb.jar	26.06.2024 10:21	Executable Jar File	26 KB
alvassiSolar-rt.jar	26.06.2024 14:06	Executable Jar File	53 KB
<input checked="" type="checkbox"/> alvassiTELEGRAM-rt.jar	20.01.2025 09:27	Executable Jar File	64 KB
<input checked="" type="checkbox"/> alvassiTELEGRAM-wb.jar	20.01.2025 09:27	Executable Jar File	19 KB
alvasysComponents-rt.jar	01.05.2022 19:07	Executable Jar File	200 KB
alvasysComponents-wb.jar	01.05.2022 19:07	Executable Jar File	2'698 KB

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 viewed by 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 a Manufacture JACE/HAWK barrel unit.
Step 2	Transfer the <b>alvassiTELEGRAM</b> 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 the JAR 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

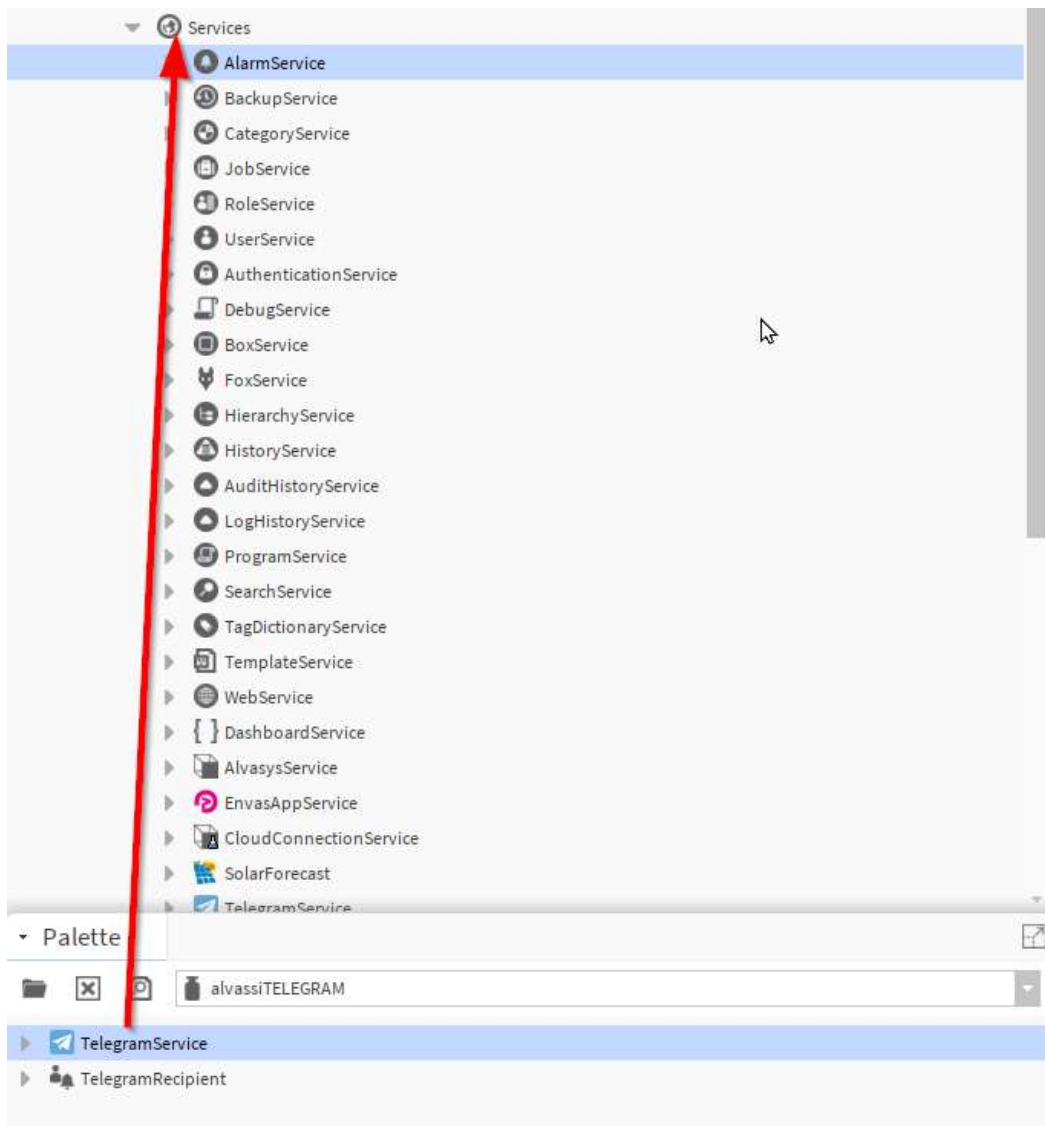
### Inserting the modules under the service JACE/MAC/HAWK/

Open the palette:



Install TelegramService under Service!

Install this on the JACE/HAWK/MAC/ like this.



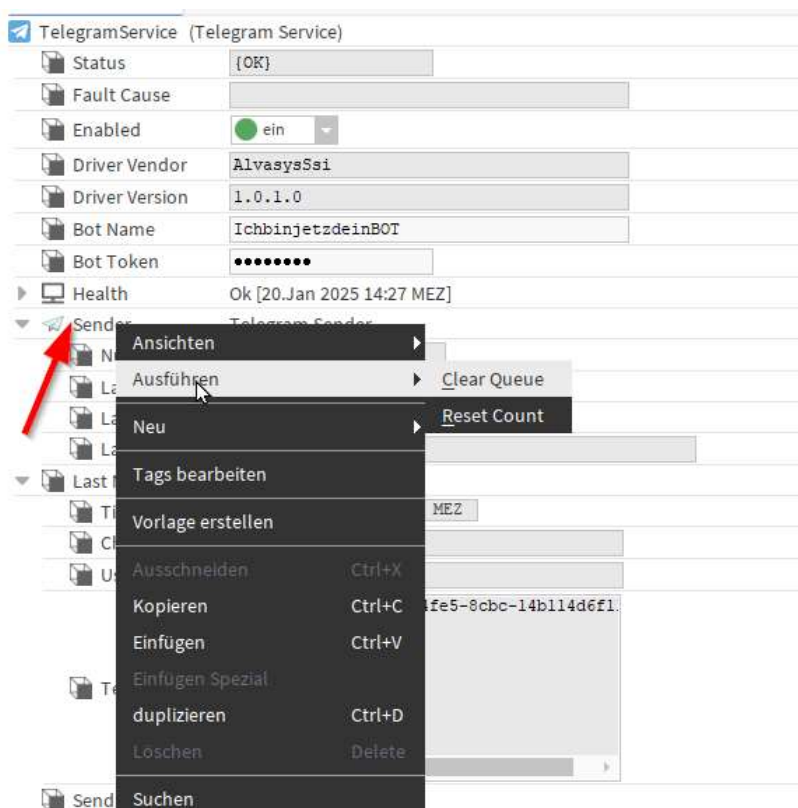
## Setting in the Telegram service

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[REDACTED]DhvZgt3yT-2dB90tjE

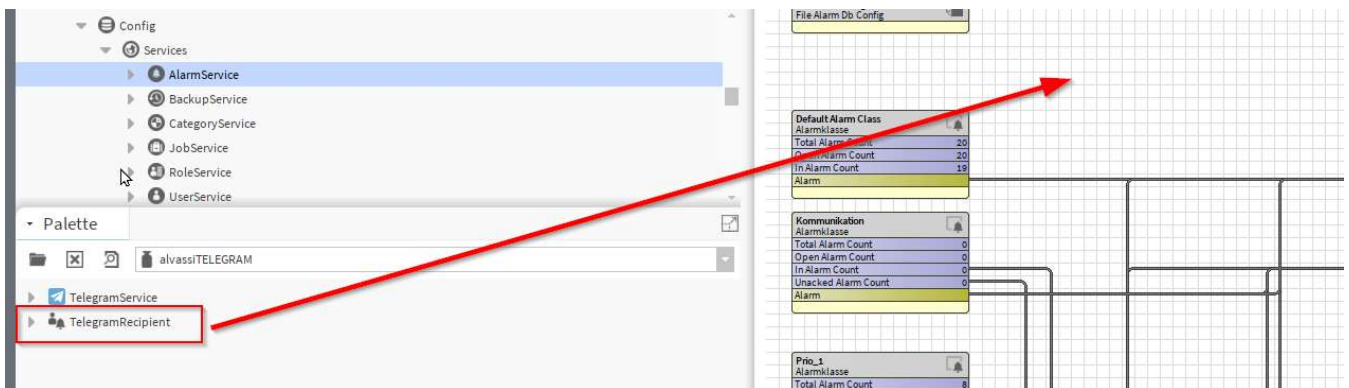


Right click on the station you can still see the news → Clear Queue (delete the messages still to be sent) Reset Count (delete the counter)

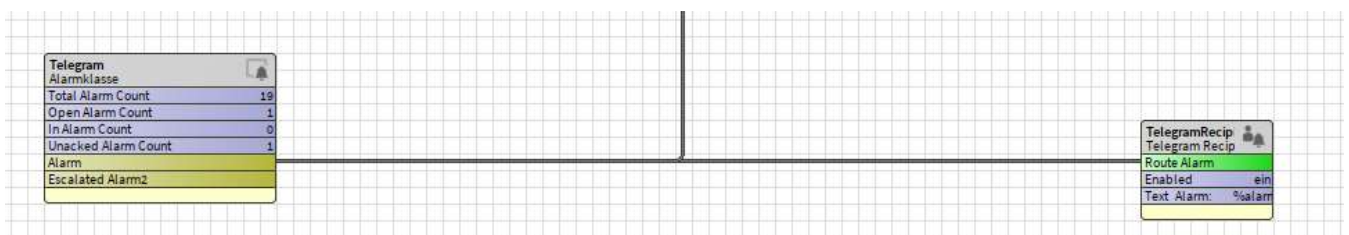


## Setting up and configuring Telegram Recipient (JACE/MAC/HAWK)

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%

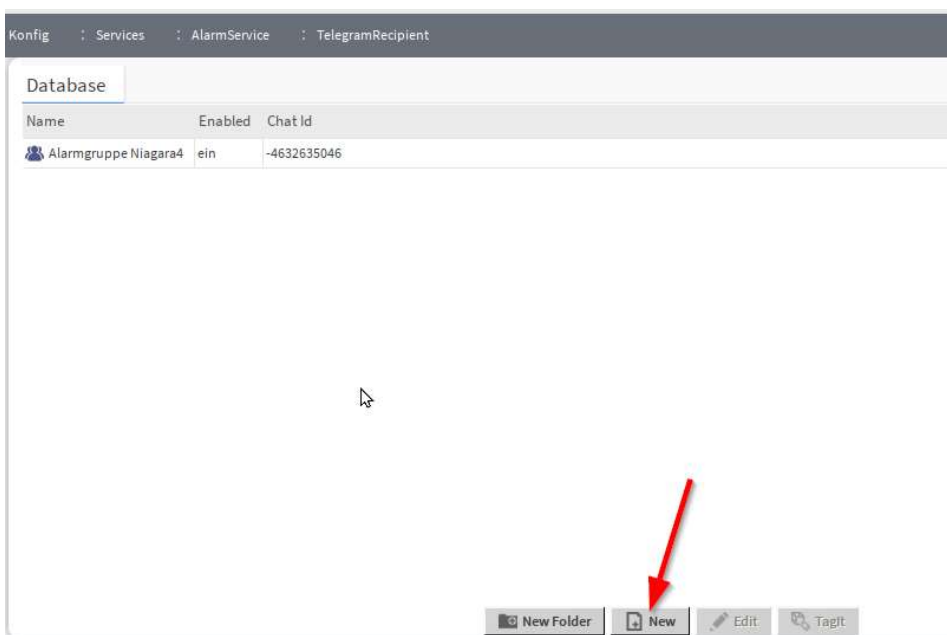
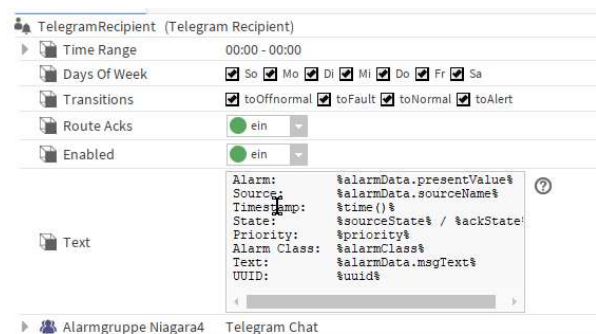
**State:**%sourceState% / %ackState%

**Priority:**%priority%

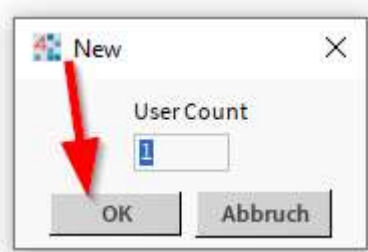
**Alarm Class:**%alarmClass%

**Text:**%alarmData.msgText%

**UUID:**%uuid%

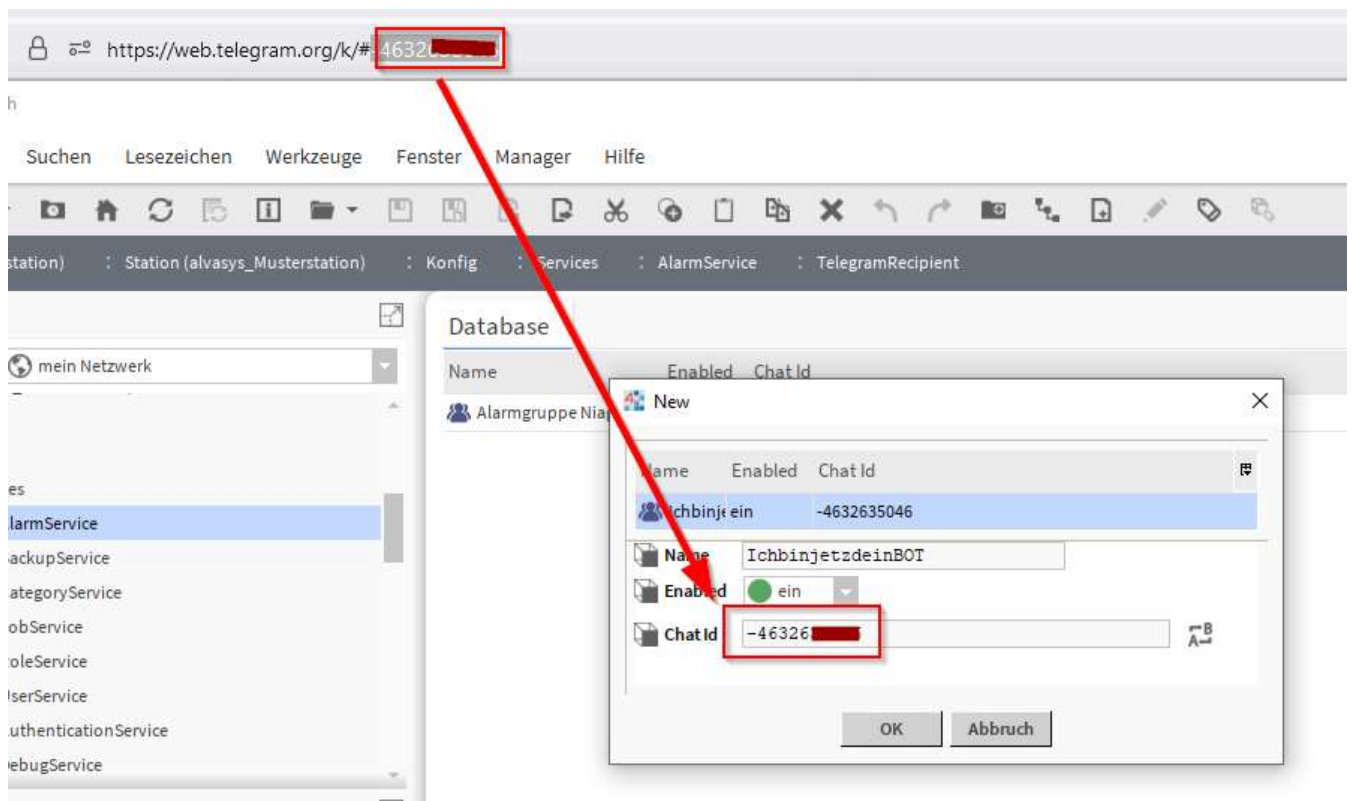


Add new users:



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 users are configured correctly, the ping can also be executed!

