

TelegramClient

Utilities Software

The Telegram Client module is the ideal solution for all partners who wish to integrate into Tridium JACE controllers and N4 Web Supervisor the possibility to use Telegram for alarm management and publication of any information handled in Niagara Framework.

Telegram is a popular social network, known all over the world, for instant messaging about status updates. The possible use is unlimited and any data in the system can be used to generate notifications and messages. For example, the Niagara station can send via Telegram daily updates on energy use, working time statistics of a certain equipment or any other information related to a status change, alarm or fault detection.

The module can be used on all platforms that support the Niagara N4 Framework, such as JACE/QHunter controllers or N4 Web Supervisor and is perfectly integrated into the Niagara Workbench. All components of the module, service, account, recipient, alarm acknowledger and updater are integrated into the framework; this allows a better efficiency in system engineering, maintenance and cost reduction.

Key Features

- Integration with standard Telegram API for all operations managed by the module.
- Geo Localization support when sending messages.
- Alarm management through a specific recipient to publish updated messages about the alarm status in a Telegram group.
- Alarm recognition replying to the Telegram publication by a user of the authorized group.
- Configuration of the Telegram accounts associated with Niagara users to manage the alarm recognition.
- Generic component to publish information from N4 Framework into Telegram groups.
- International management of messages by using lexicon standard feature.

Type of System

- Social Network
- Instant Messaging

Niagara Platform

- JACE /QHunter
- Supervisor

Niagara Version

- N4.4 or later

The screenshot shows the 'Property Sheet' for a 'TelegramRecipient' object. The configuration includes:

- Time Range:** 00:00 - 00:00
- Days Of Week:** All days (dom, lun, mar, mer, gio, ven, sab) are checked.
- Transitions:** toOffnormal, toFault, toNormal, and toAlert are checked.
- Route Acks:** Set to 'true'.
- Telegram Account:** A dropdown menu showing 'TelegramAccount'.
- Message To:** A text field containing the phone number '296113288'.
- Message:** A text area containing a template: `UUID:%uuid%
%alarmData.sourceName%
%timestamp%
%sourceState% / %ackState%
%alarmData.msgText%`
- Language:** An empty text field.

