

# Niagara 4 SMS & Calls Driver For SMSEagle Devices

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Release 2.0

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## Changelog

Version 1.0 Initial release

Version 2.0 Changed to APIv2, added calls (ring calls, text-to-speech calls)

## Driver Overview

The PROXIMUS Driver for SMSEagle devices is written using Tridium's BFramework, for use in Niagara 4 or later.

The driver's main purpose is to serve as a gateway to send SMS or create automatic calls (ring call, text-to-speech-call) via SMSEagle for Tridium Supervisor 4 or JACE8000, JACE9000 stations (and OEM variations i.e. Centra Line, Trend, ...).

SMSEagle is an offline hardware SMS gateway. Therefore, no external connection to 3rd party system is required. All notifications are generated on-premise and sent directly to a cellular network. This solution can be used in secure installations without Internet access.

***Setup is easy and should take 10-15 min to complete.***

## Prerequisites for Integration

1. Correctly set up SMSEagle device (see chapter "SMSEagle Setup").
2. Correctly installed modules with the driver (see chapter "Driver Installation").

## Installation & Configuration

### SMSEagle Configuration

1. Create a new user in SMSEagle (menu Users > + Add Users).
2. Grant API access to the created user:
  - a. click **Access to API** beside the newly created user
  - b. Enable **APIv2**
  - c. **Generate new token** (copy it for later use)
  - d. Add access permissions in section **APIv2 Permission** for: **Send SMS**
  - e. Add access permissions in section **APIv2 Permission** for: **Make a ring call, Make a TTS Call (for voice alerting)**
  - f. **Save** settings

### Driver Installation

Extract the **smsEagle.zip** archive and copy all included \*.jar files to your Niagara modules directory, typically **C:\Niagara\Niagara-4.x.xx.xx\modules**.

For correct behavior, it is necessary to install \*.jar files on the client platform (Workbench PC) as well as on the target platform (JACE8000/9000 or Supervisor).

*Note: Close the Niagara Workbench after inserting all the modules in the folder. Next time you start the Niagara Workbench the driver will be loaded in Niagara Workbench and will be immediately available for use.*

### Driver Configuration

1. Connect JACE 8000/9000 or PC with Tridium Supervisor 4 to the network.
2. Add new SmsEagleNetwork to your Drivers node.
3. Under network add new SmsEagleDevice.
4. Configure the newly added device:

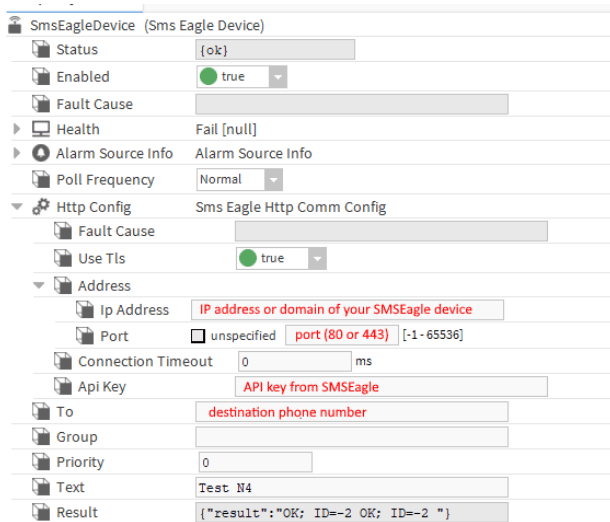


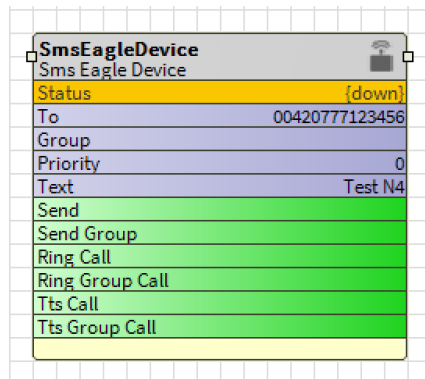
Fig 1: SmsEagleDevice under SmsEagleNetwork node

Fill in the following properties of SmsEagleDevice

- **Enabled:** set to True
- **Ip Address:** fill in IP address or domain name of your SMSEagle device
- **Port:** 80 (for HTTP connection) or 443 (for HTTPS connection)
- **Api Key:** API key created in SMSEagle webGUI

*Note: if you want to use HTTPS connection between Niagara and SMSEagle you must have SSL certificate correctly configured on SMSEagle device.*

## Properties of SmsEagleDevice



Every device has following properties:

- **To:** recipient phone number (or multiple numbers separated with comma)
- **Group:** (optional) group name defined in SMSEagle Phonebook. If you define the group in SMSEagle phonebook (it must be set as public), you may send SMS to the group of recipients
- **Priority:** (optional) priority of SMS – value between 0-9 (9 is the highest priority)
- **Text:** text of SMS message

Every device has defined the following actions:

- **Send:** send SMS to recipient defined in To parameter
- **Send Group:** send SMS to the group defined in Group parameter
- **Ring Call:** make a call to recipient defined in To parameter
- **Ring Group Call:** make a call to the group defined in Group parameter
- **Tts Call:** send SMS as a speech to recipient defined in To parameter
- **Tts Group Call:** send SMS as a speech to the group defined in Group parameter

### Example Configuration

