

## Installation procedure

### Background

PragolApp is mobile application developed by Pragolab Company (Czech Republic) to allow users of Ion Chromatography, Gas Chromatography and Liquid Chromatography – Mass Spectrometry Instruments (IC/GC/LC-MS) to control currently running sequence and to be actively notified when error occurs.

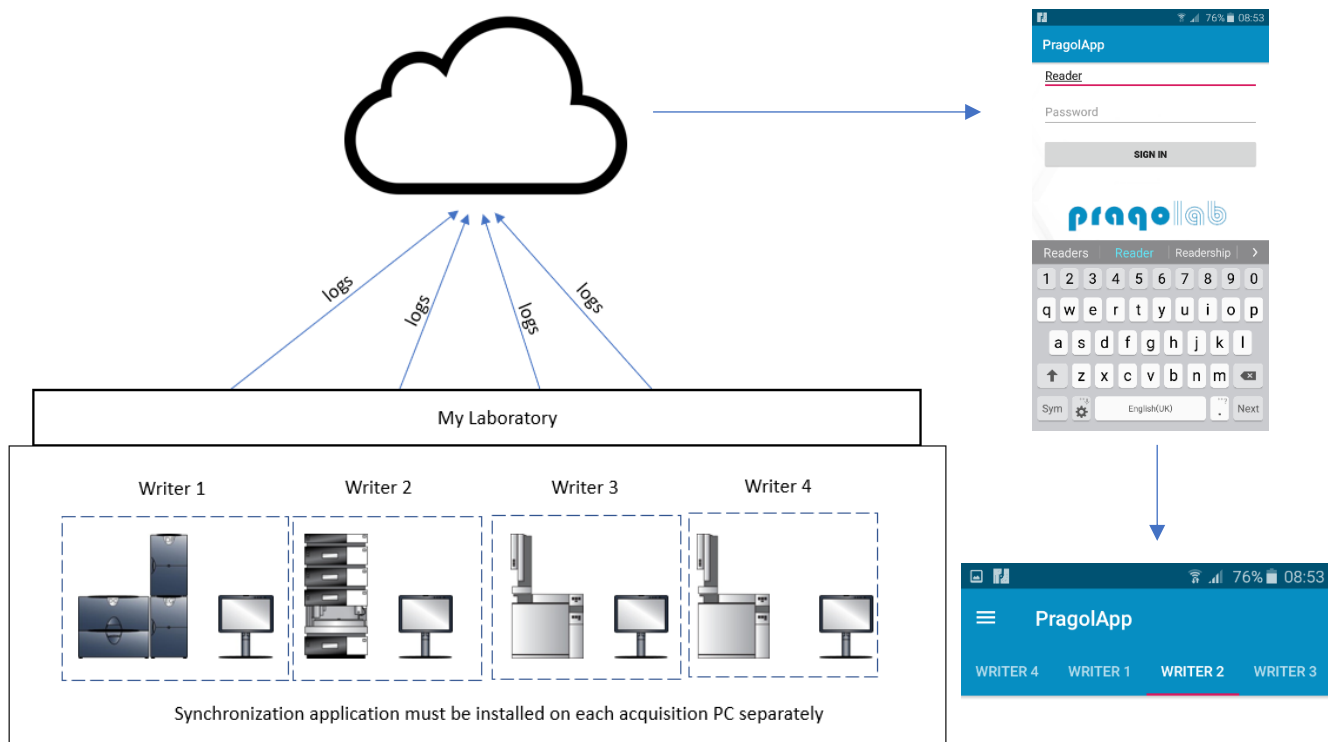
Communication principle is based on synchronization between desktop synchronizer (installed on acquisition PC of every single monitored IC/GC/LC-MS instrument) and mobile application itself. Once per defined time interval desktop synchronizer looks through instrument log files and send specific information to the mobile application where user can see it.

User can control up to ten instruments configured under the **Thermo Standard Instrument Integration (SII)** at the certain time. As the acquisition software XCalibur or TraceFinder can be used.

Above mentioned is realized due to existence of two types of accounts.

**Writer Account**, which is specific for every single monitored IC/GC/LC-MS instrument, in example Writer 01, Writer 02, etc. Of course, accounts can be named in any way, typically by the type of configured instrument.

**Reader Account**, which is being used for logging in into PragolApp mobile application where information from every configured Writer Account (Instruments) are presented.



*Scheme 1 – Principle of PragolApp operation.*

## Licensing

One license contains one Reader Account (PragolApp mobile application entry account) and unlimited number of Writer Accounts (Instrument to be monitored).

## Configuration

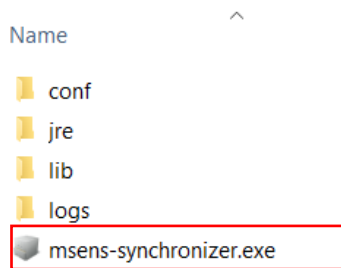
### Creation of Writer / Reader Account

Please send an email to [pragolapp@pragolab.cz](mailto:pragolapp@pragolab.cz) with creation request of Reader Account and specific number of Writer Accounts. Specify names for every requested account. Accounts will be synchronized together automatically.

Temporary passwords will be sent back within a short period of time. You can change passwords immediately at <https://msens.pragolab.cz>. Use received credentials to log in.

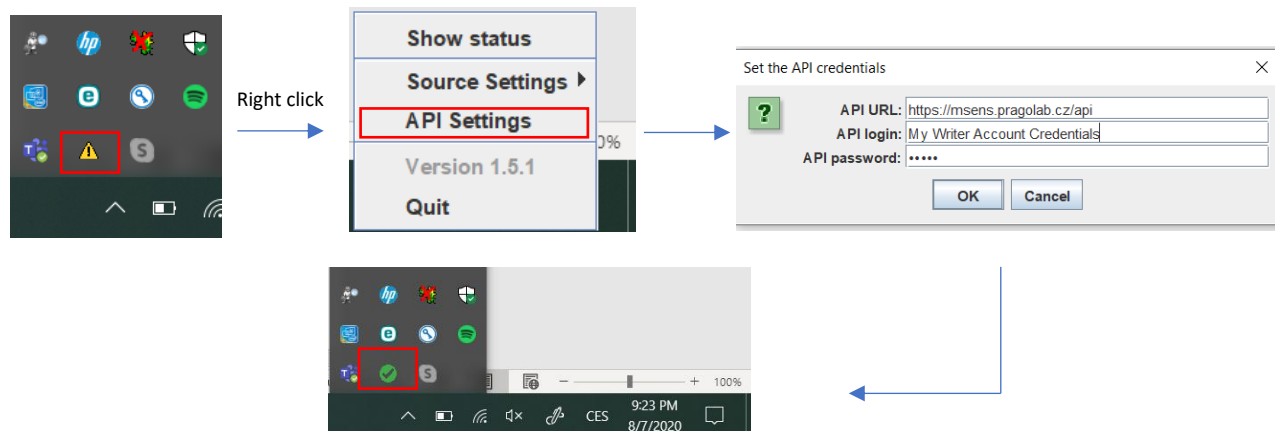
### Installation and configuration of synchronizer

Extract files from received zip file and run **msens-synchronizer.exe** at the acquisition PC of desired instrument (See Picture 1).



Picture 1 – Content of synchronizer zip file.

Shortly you will get an exclamation mark in yellow triangle at the system taskbar (This means something went wrong). Right click at the symbol and choose API Settings. Insert your Writer Account credentials into the login pop-up window. Always use <https://msens.pragolab.cz/api> at the API URL part. If everything is correct exclamation mark symbol will turn into the green checked symbol (See Picture 2).



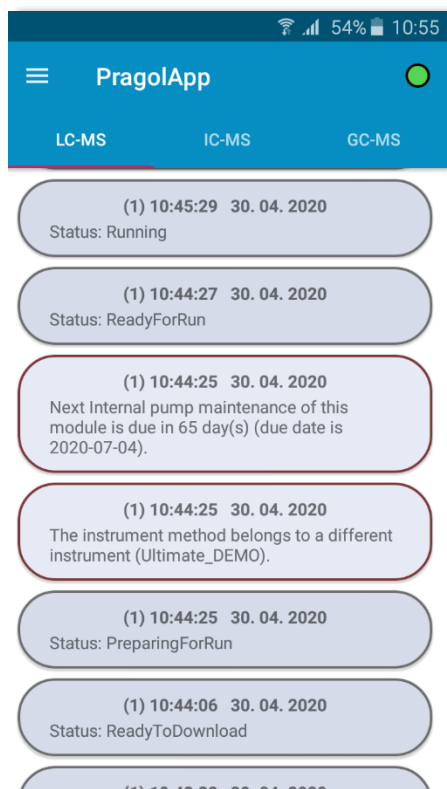
Picture 2 – Configuration of synchronizer at instrument acquisition PC.

### Installation and configuration of PragolApp mobile application

Download PragolApp from GooglePlay (<https://play.google.com/store/search?q=PragolApp>)

Use your Reader Account credentials to log in.

#### PragolApp UI



**Instrument semaphore** - Reflects state of the configured instruments

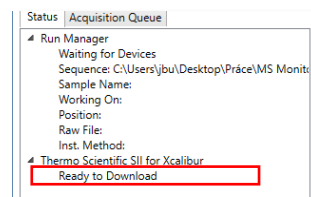
Green Running

Orange Idle

Red Error

**Panel of instruments** - Shows up to 10 synchronized instruments (Writers). Simply swipe to list between them.

**Information Bubble** - Shows sequence row number (in the bracket), time and date stamp and status from XCalibur



**Error Bubble** – Shows the same as Information Bubble plus Error specific info.

**Has an ability to notify you actively by sound**

Bubbles are refreshing automatically once per minute or manually by swipe down. Notifications can be turned down by hitting the hamburger menu at the top left of PragolApp interface.

#### Compatibility

PragolApp mobile application is fully compatible with **Android OS 5.0** or later.

Synchronization application is recommended to be installed on **Win 7** or later.

#### Compliance

PragolApp and all its parts are **fully compliance** due to the fact that it does not work with raw data, instrument's methods, processing methods or audit trail. Application is designed to be only a visualization tool with no ability to control and/or modify instrument.

#### Contact

Please do not hesitate to contact us at [pragolapp@pragolab.cz](mailto:pragolapp@pragolab.cz) in case of any troubles.