

Collector, Wampserver and DB Monitor Installation guide

Purpose:

Guide for NEWSTEO Collector installation:

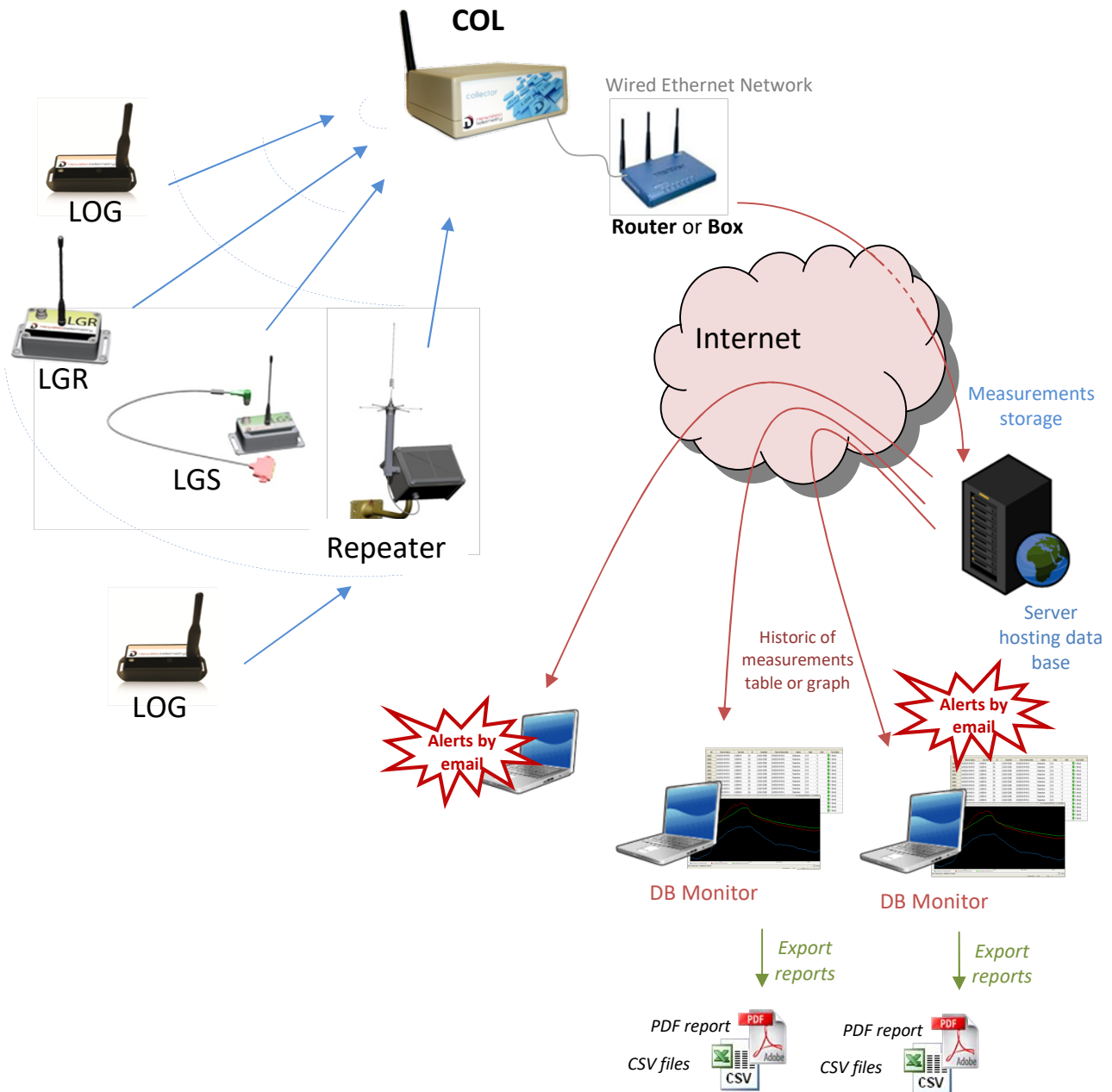
- For a Newsteo data hosting
or
- When the hosting is done on the server of the customer
- With a DB Monitor interface

Technical Assistance:

For any question, remark or suggestion concerning this product, please contact your retailer.

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1 Operation of a facility with Newsteo collector



2 Important remarks before the installation

2.1 If you have chosen to use the Newsteo Data hosting

You don't need to install wampserver and to create your own database.

You are only concerned by the paragraphs **4 Start your COL and your loggers on the default database provided by Newsteo** and the paragraph **5 Configure your products**

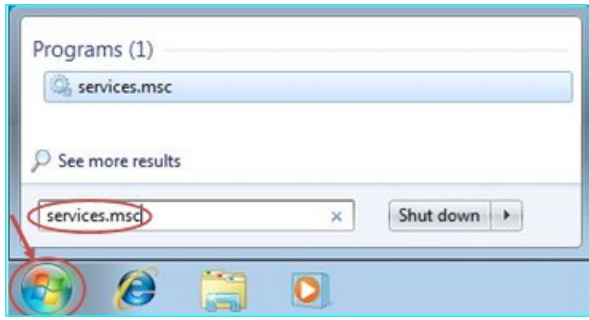
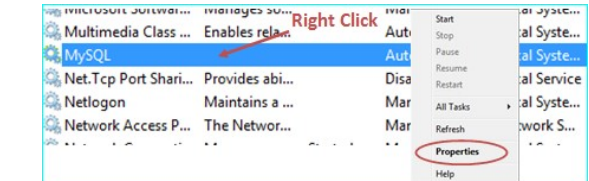
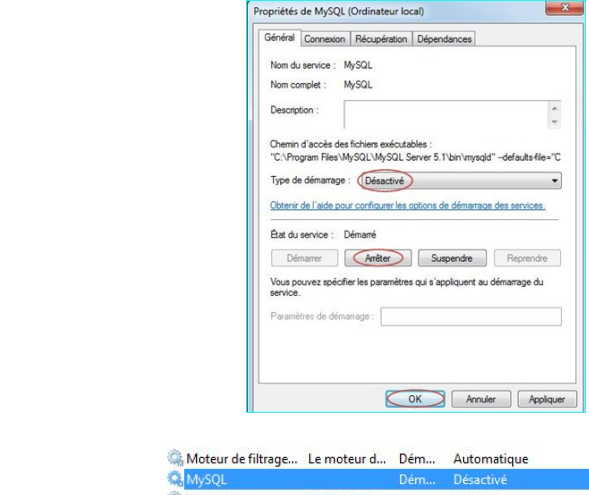
2.2 If you are hosting your data by your own

- You must have a fixed IP address
- Ensure that the Windows firewall will not block the HTTP port (default 80) and the SQL port (3306 by default).
- It is important to be **administrator** of the machine to install WampServer
- The installation must be performed by the network administrator
- **IF BEFORE YOU WERE USING THE RF MONITOR GOLD SOFTWARE**, it is necessary to stop the MySQL service
- We recommend the use of **Google Chrome**
- **Not fully compatible with Internet Explorer**

Then follow the installation with the next paragraph.

3 Create your own Database

3.1 Stop MySQL service (If you were using the RF Monitor software)

<ul style="list-style-type: none"> - Start the service manager : services.msc - Enter services.msc in the Starting menu - Press [Entrer] 	
<ul style="list-style-type: none"> - Right click on MySQL then click Properties 	
<ul style="list-style-type: none"> - Change the Startup type : - Change « Automatic » to « Deactivated » - Click on Stop - Click on OK <ul style="list-style-type: none"> - The MySQL service state is now « Deactivated » - Close Management Services window 	

3.2 Wampserver installation

3.2.1 Install Wampserver from the website

Download the installation kit from:

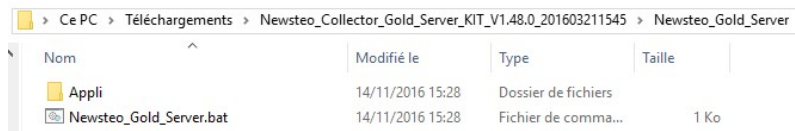
<http://support.newsteo.com/customer/en/portal/articles/1329933-data-hosting-on-client-server---installation>

Unzip the file:

Newsteo_Collector_Gold_Server_KIT_Vx.xx.x_yyyymmdd.zip

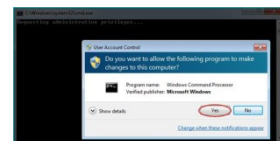
Open the Directory:

Newsteo_Gold_Server



Double Click on **Newsteo_Gold_Server.bat** to start the installation

Click **Yes**



Select the language to perform the installation

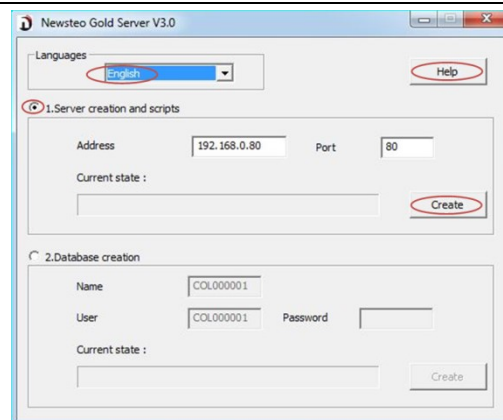
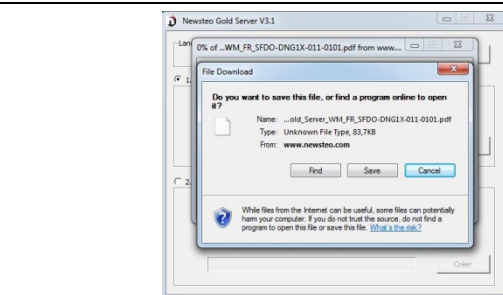
At starting, the user guide of the collector is automatically opened
You can also get **the user guide** by clicking on **Help**

The IP address of your computer is automatically detected.

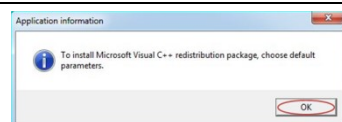
First create the Server by selecting **Server Creation**

Click **Create**

... wait ...

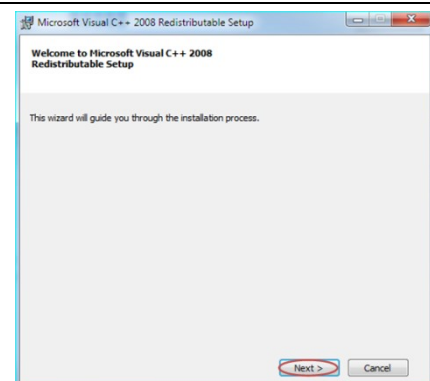


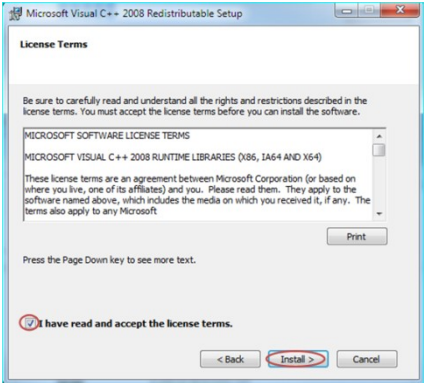
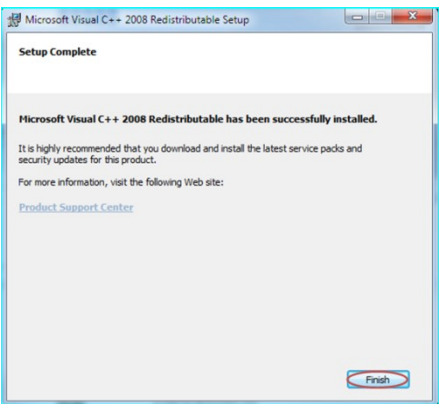
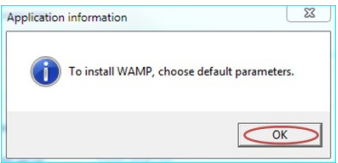
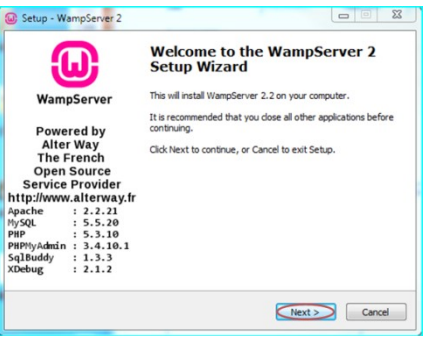
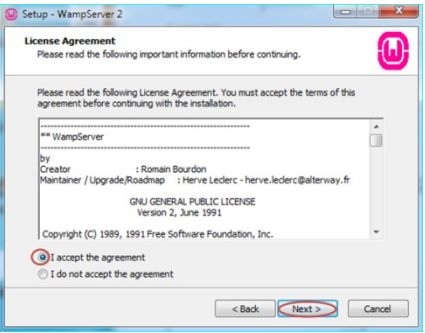
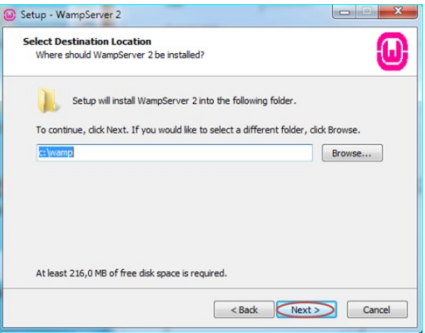
Click **OK**

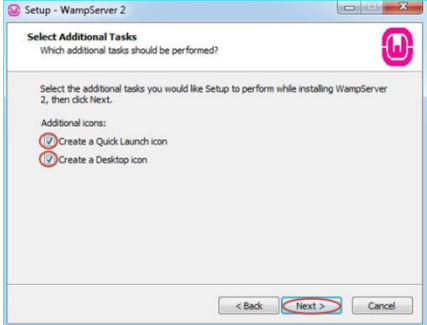
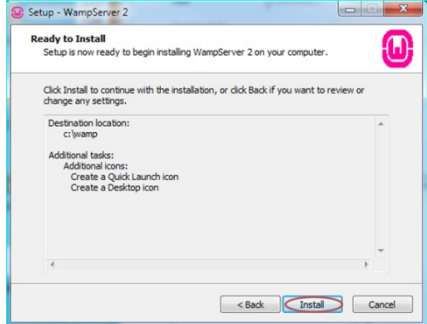
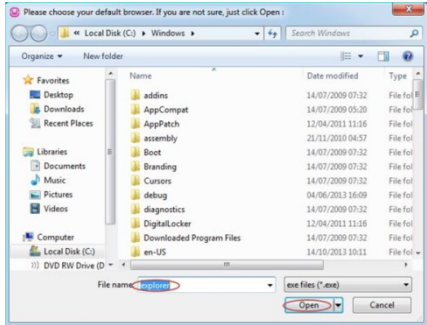
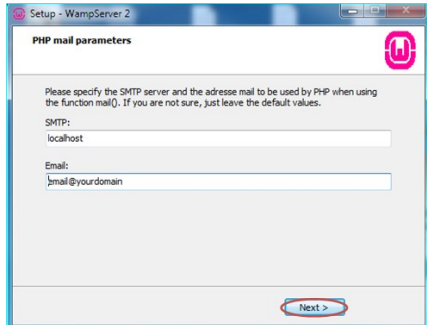
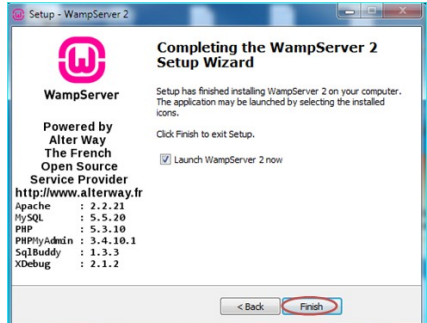
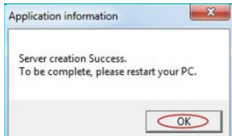


Then Keep all the default parameters except for the options "Create a quick launch icon" and "Create a desktop icon"
Accept the agreement when needed

Click **Next**

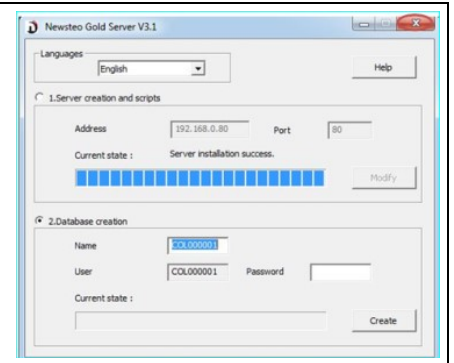


<p>Select I have read and accept the license terms</p> <p>Click Install</p>	
<p>Click Finish</p>	
<p>Click OK</p> <p>... Wait ...</p>	
<p>Click Next</p>	
<p>Select I accept this agreement</p> <p>Click Next</p>	
<p>Click Next</p>	

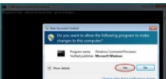
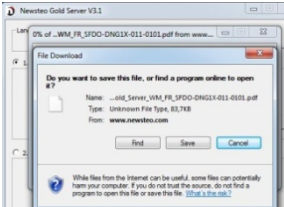
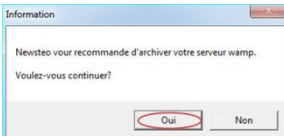
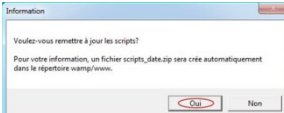
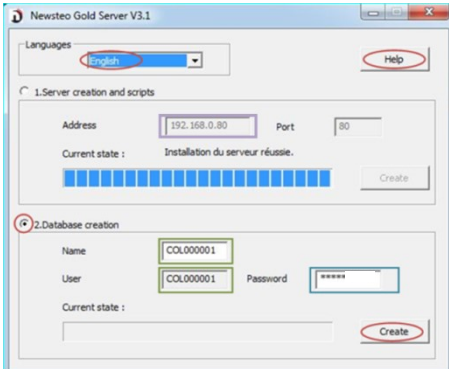
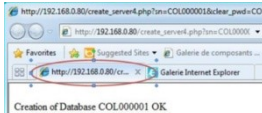
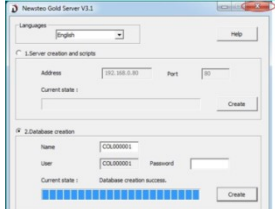
<p>Select Create a quick launch icon</p> <p>Select Create a desktop icon</p> <p>Click Next</p>	
<p>Click Install</p> <p>...Wait ...</p>	
<p>Choose your default browser</p> <p>If you are not sure, just click Open</p>	
<p>Click Next</p>	
<p>Click Finish</p> <p>... Wait Wait Wait ...</p>	
<p>Click OK</p>	

Click [X] to close the windows

Restart your computer



3.2.2 Create your Database

<p>Restart the installation kit that you previously downloaded from the Newsteo Website as indicated at the beginning of: 3.2.1 Install Wampserver from the website</p>	
<p>Click Yes</p>	
	
<p>Newsteo recommand you to archive your Wamp server. Click Yes ... Wait ... Wait ... Wait ...</p>	
<p>Accept the update of your scripts Click Yes ... Wait ... Wait ... Wait ...</p>	
<p>Select the language to perform the installation At starting, the user guide of the collector is automatically opened You can also get the user guide by clicking on Help</p> <p>Select Database creation</p> <p>Enter a Name <input type="text"/> and a Password <input type="password"/> 6 characters mandatory</p> <p>Remember also the IP Address <input type="text"/></p> <p>Click Create</p> <p>...Wait ... Wait ... Wait ...</p>	
<p>Once the database is created, you get the message : Creation of Database COLxxxxxx OK in the first tab of your browser</p>	
<p>Click [X] to close the windows</p>	

3.2.3 Mail Server configuration for collectors

Select Mail Server Configuration for collectors

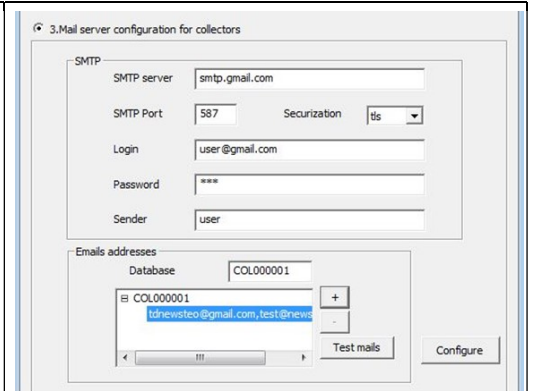
Please contact your network administrator to configure the SMTP parameters

Enter the name of your database in the database field

Verify that the serial number of your COL is correct and modify it if necessary in the email configuration Window

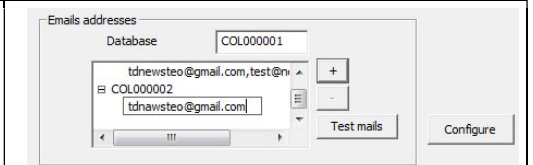
Enter also the recipient email address for this COL.

For several recipient, separate the email addresses by a comma.



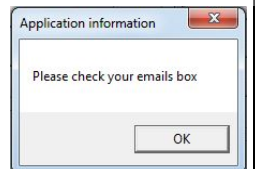
If you have several collectors, click on [+] to add a COL in the list and enter the recipient email addresses for this COL.

Click on **Test mails**

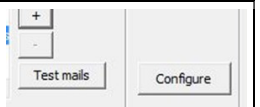


Click **OK**

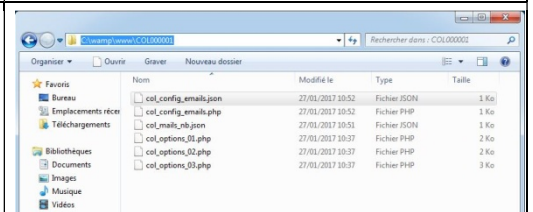
Verify your emails box



Click on **Configure**



You can verify that the configuration file has been created in :
C:/wamp/www/COLxxxxxx/col_config_emails.json

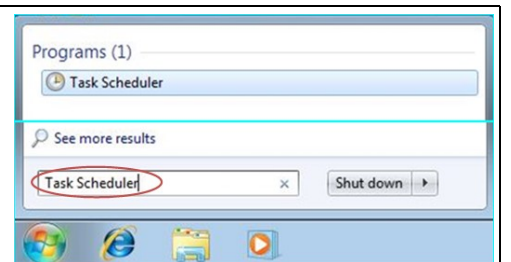


3.2.4 Plannification of the tasks WINDOWS

Click **WINDOWS** icon

Enter the command: **Task Scheduler**

Press **Enter**

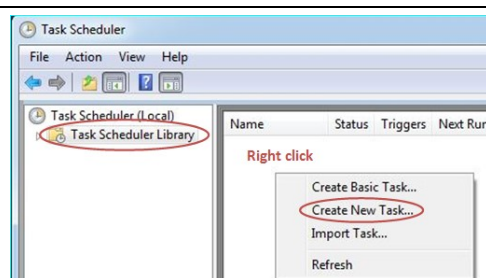


3.2.4.1 Test the presence of the COL

Select **Task Scheduler Library**

Right click in the main screen

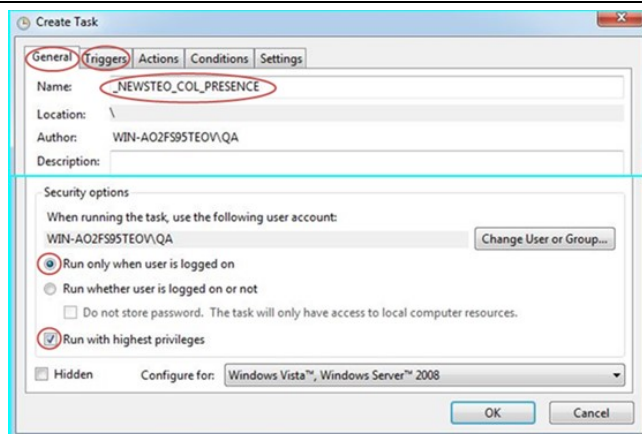
Click **Create New Task ...**



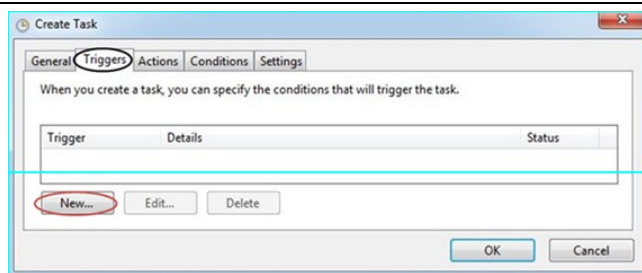
In the **General** Tab, enter the name of the task:
_NEWSTEO_COL_PRESENCE

Select the options as on the opposite screen shot

Click the Tab **Triggers**

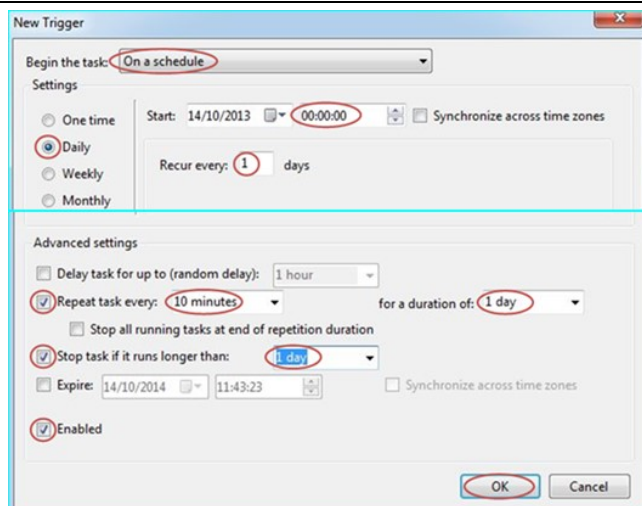


In the **Triggers** Tab, click **New**



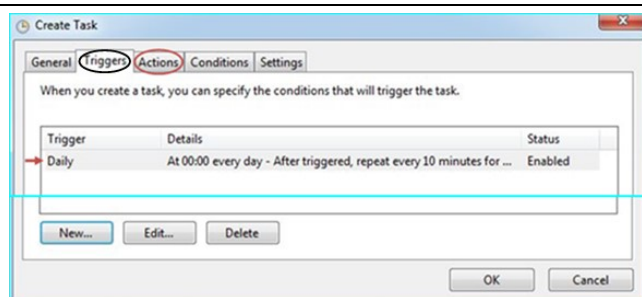
Select the options as on the opposite screen shot

Click **OK**

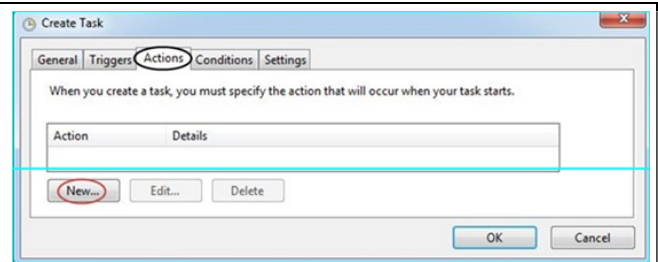


The details of the triggers appear now in the window **Triggers** →

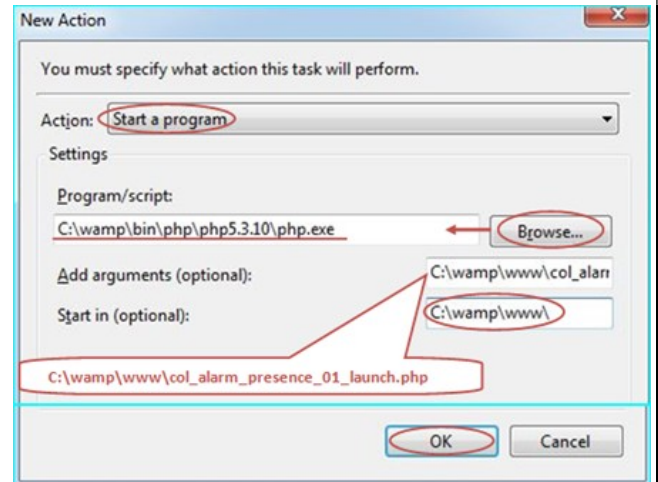
Click the Tab **Actions**



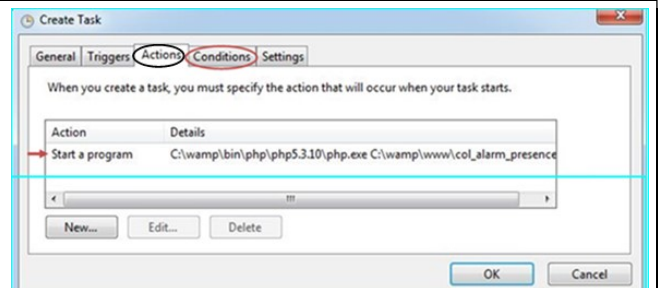
In the **Actions** Tab, click **New**



Complete the window as on the opposite screen shot

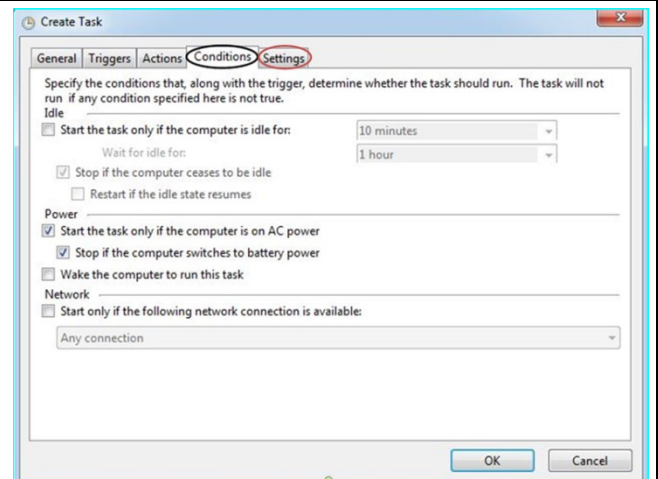


The details to start the program appear now in the window **Actions** →



Click the Tab **Conditions**

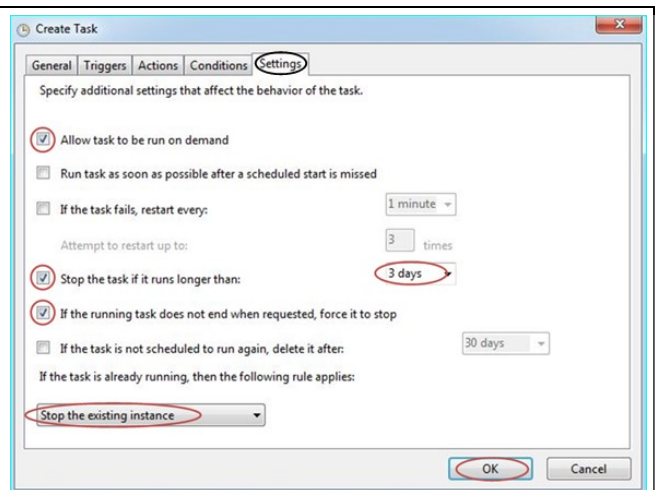
You shouldn't have to modify anything in this window. Just **verify** that you have **the same thing as on the opposite screen shot**.



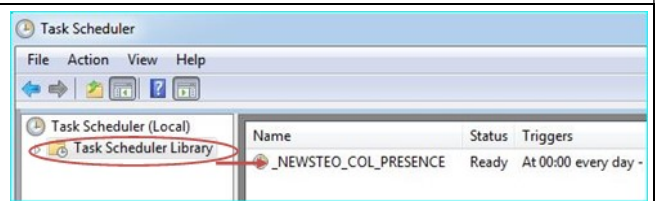
Click the Tab **Settings**

Complete the window as on the opposite screen shot

Click **OK**



The Task **_NEWSTEO_COL_PRESENCE** appears now in the window **Task scheduler**.

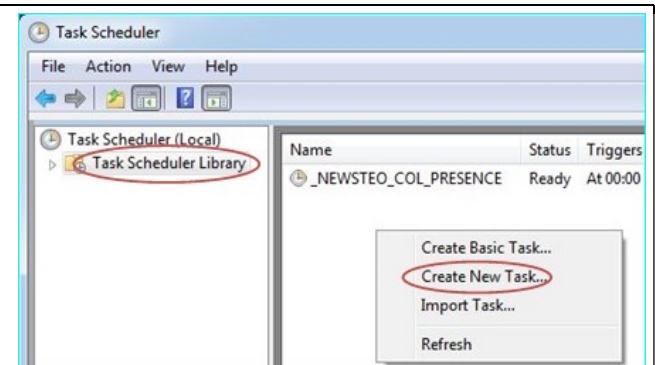


3.2.4.2 Automatic generation of reports

Select **Task Scheduler Library**

Right click in the main screen

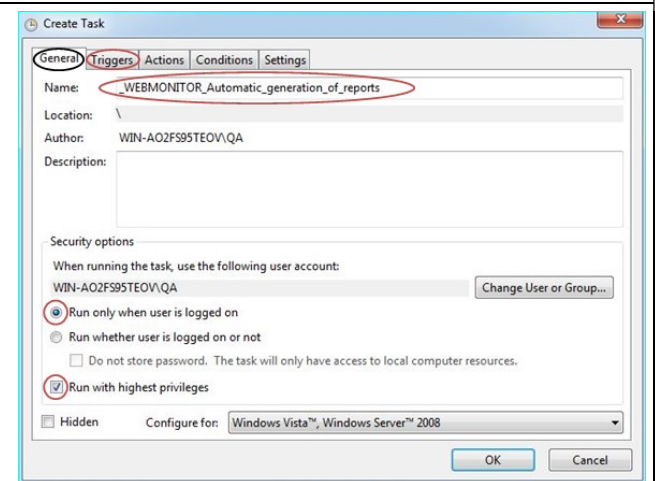
Click **Create New Task ...**



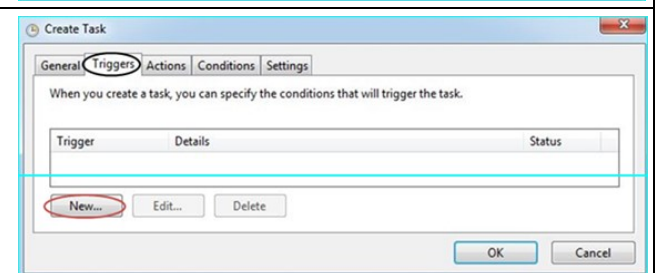
In the **General** Tab, enter the name of the task:
_WEBMONITOR_Automatic_Generation_of_reports

Select the options as on the opposite screen shot

Click the Tab **Triggers**

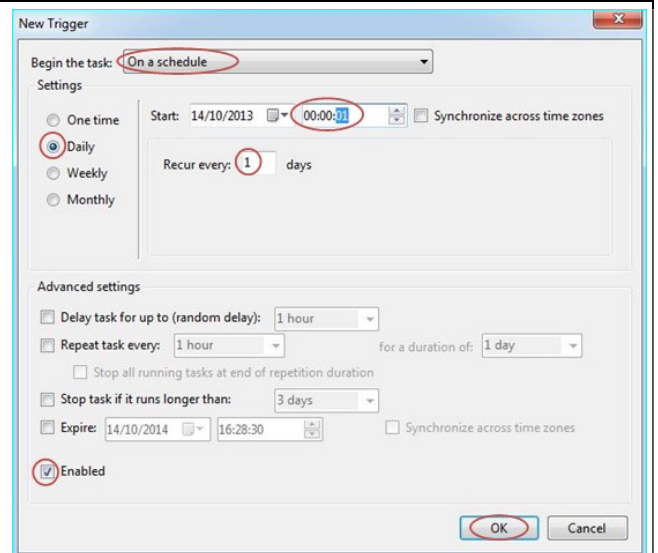


In the **Triggers** Tab, click **New**

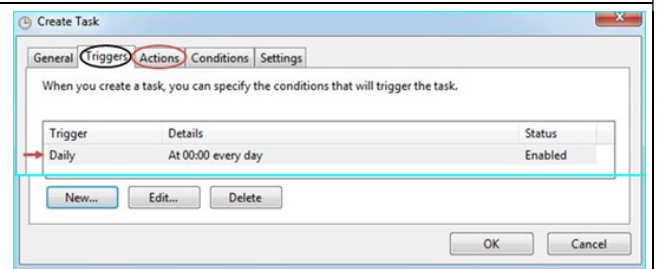


Select the options as on the opposite screen shot

Click **OK**

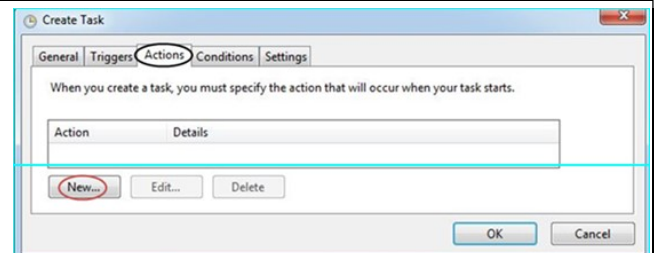


The details of the triggers appear now in the window **Triggers** →

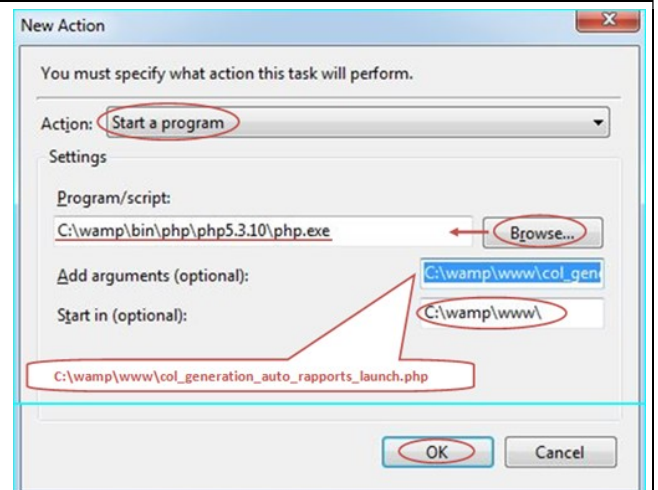


Click the Tab **Actions**

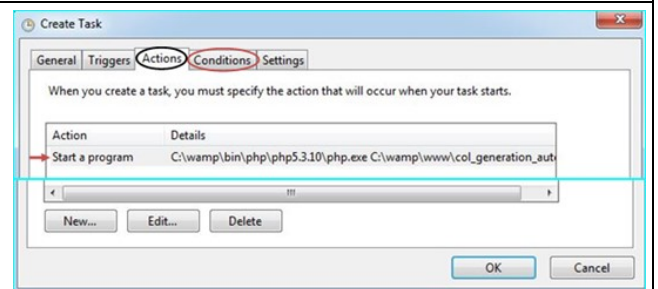
In the **Actions** Tab, click **New**



Complete the window as on the opposite screen shot



The details to start the program appear now in the window **Actions** →



Click the Tab **Conditions**

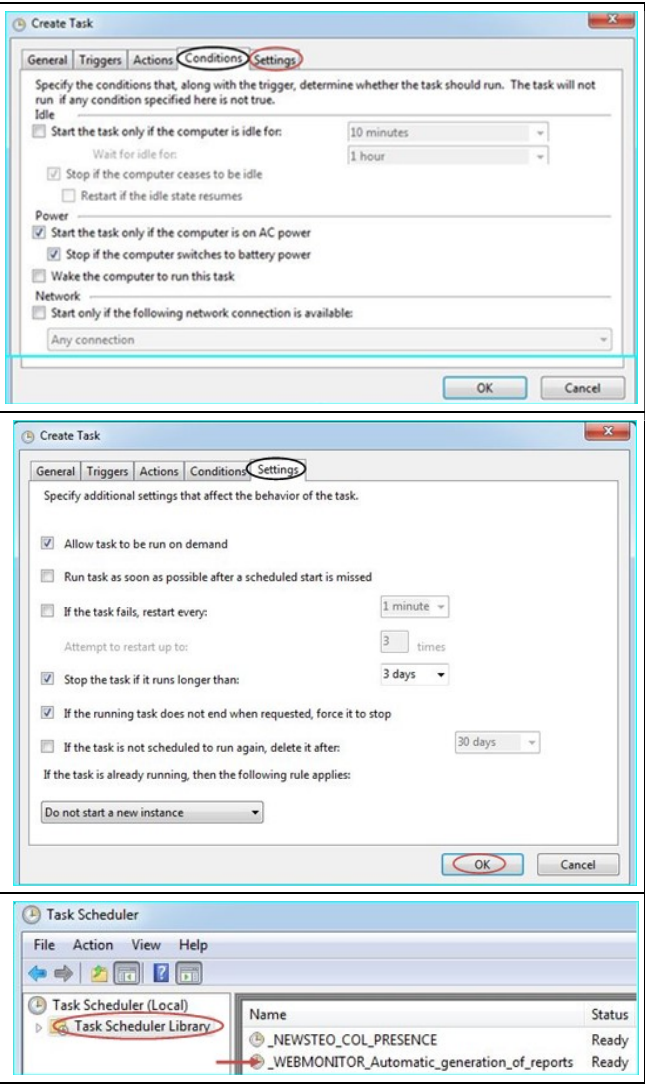
You shouldn't have to modify anything in this window. Just **verify** that you have **the same thing as on the opposite screen shot**.

Click the Tab **Settings**

You shouldn't have to modify anything in this window. Just **verify** that you have **the same thing as on the opposite screen shot**.

Click **OK**

The Task **_WEBMONITOR_Automatic_Generation_of_reports** appears now in the window **Task scheduler**.

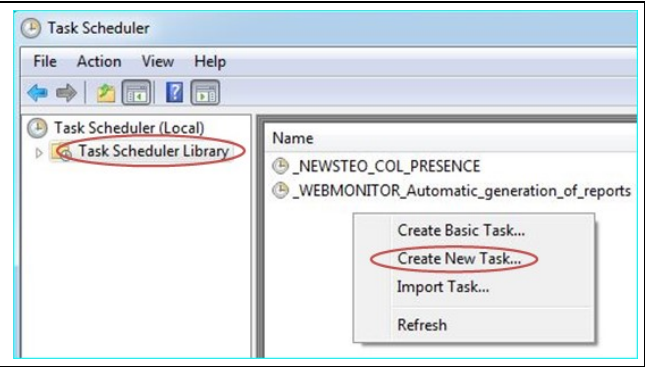


3.2.4.3 Backup of the database

Select **Task Scheduler Library**

Right click in the main screen

Click **Create New Task ...**

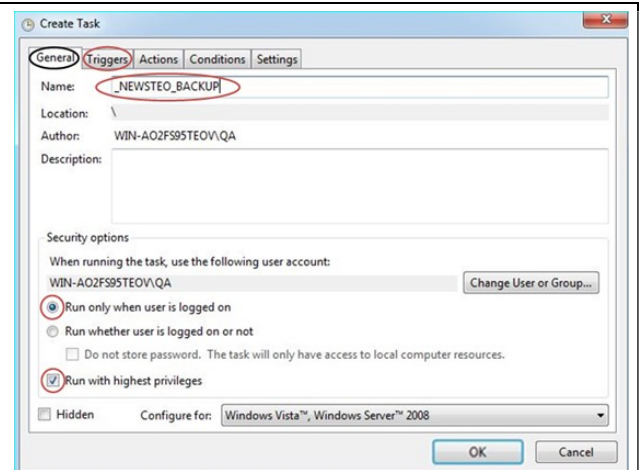


In the **General** Tab, enter the name of the task:

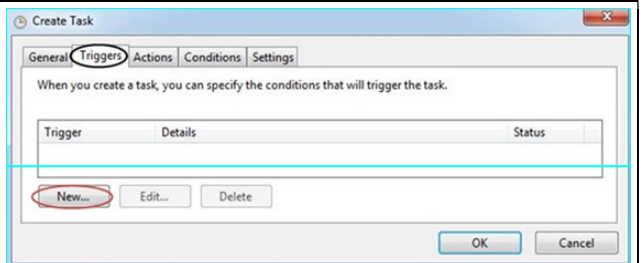
_NEWSTEO_BACKUP

Select the options as on the opposite screen shot

Click the Tab **Triggers**

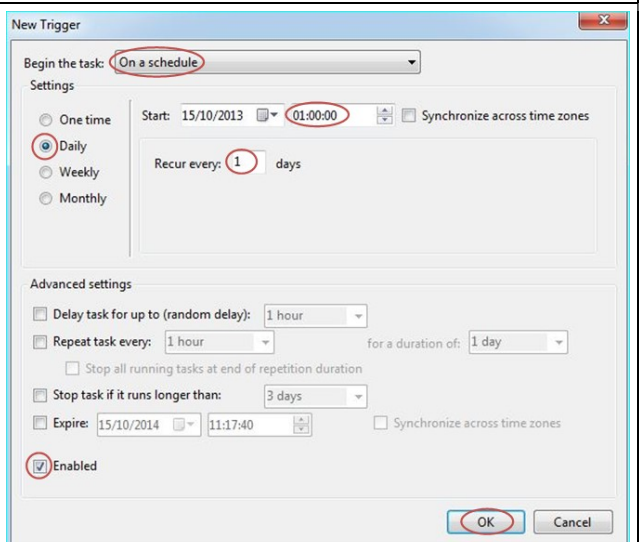


In the **Triggers** Tab, click **New**



Select the options as on the opposite screen shot

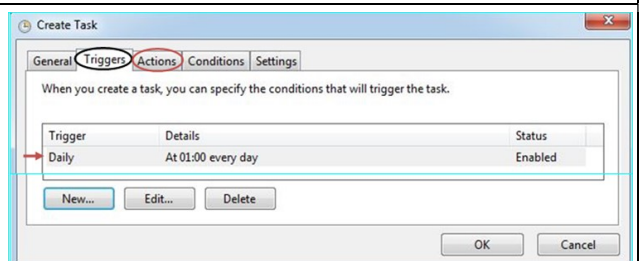
Click **OK**



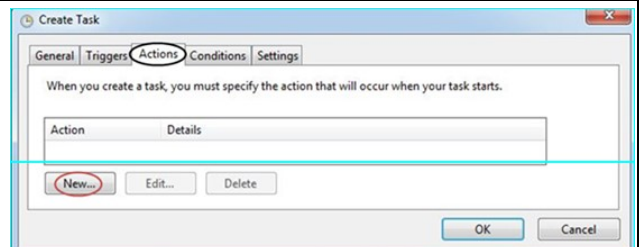
The details of the triggers appear now in the window **Triggers**



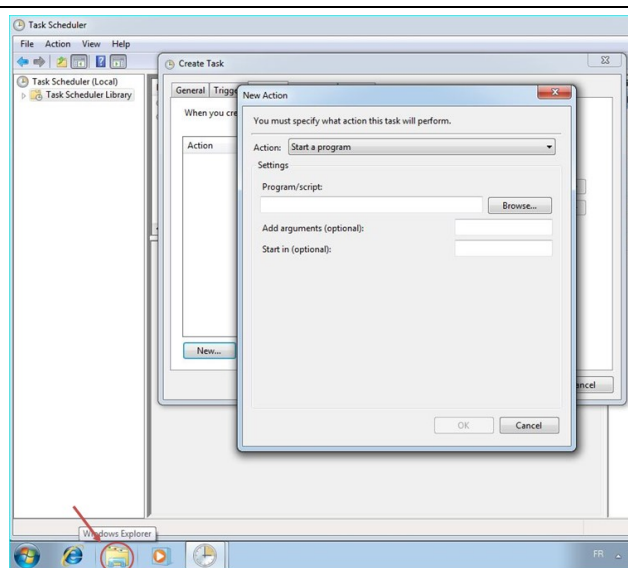
Click the Tab **Actions**



In the **Actions** Tab, click **New**



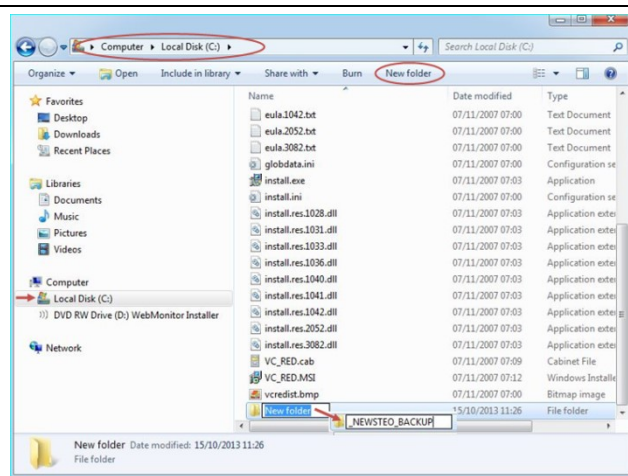
Open a **Windows Explorer**



Select **Local Disk (C:)**

Click **New folder**

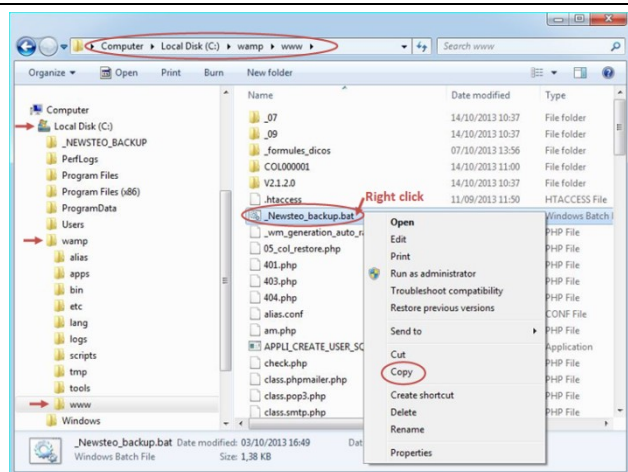
Rename the folder into **_NEWSTEO_BACKUP**



Select **Local Disk (C:)\wamp\www**

Right click on the file **_Newsteo_backup.bat**

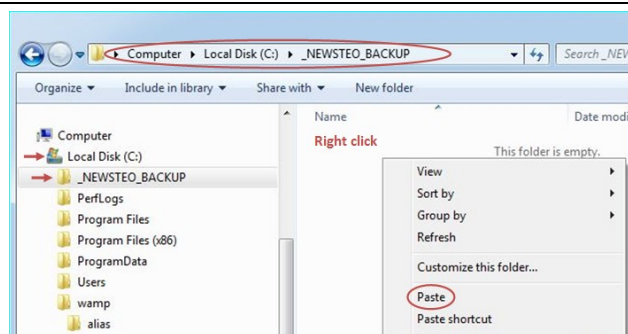
Click **Copy**



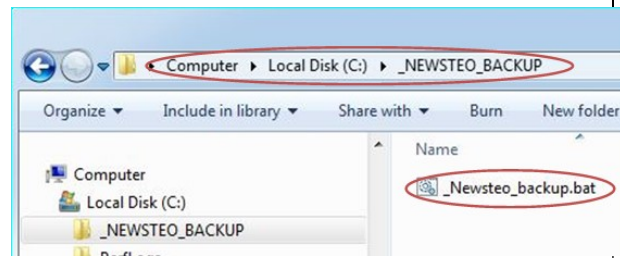
Select **Local Disk (C:)_NEWSTEO_BACKUP**

Right click in the main screen

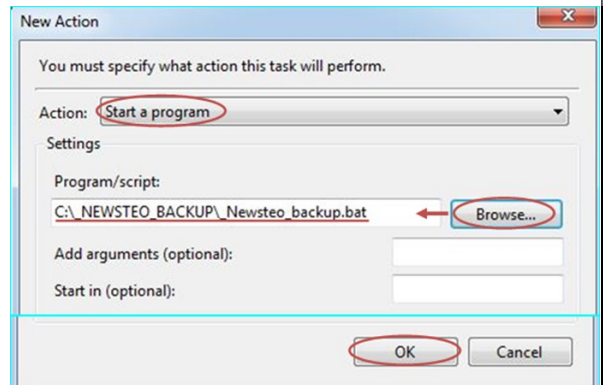
Click **Paste**



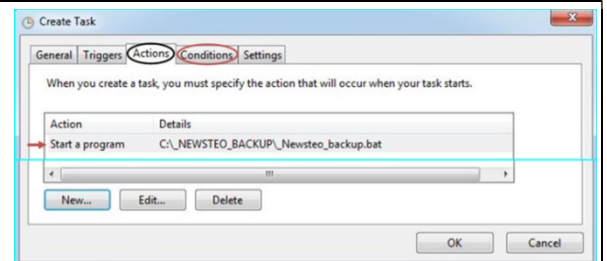
The _Newsteo_backup.bat appears now in the directory (C:)_NEWSTEO_BACKUP



Complete the window as on the opposite screen shot

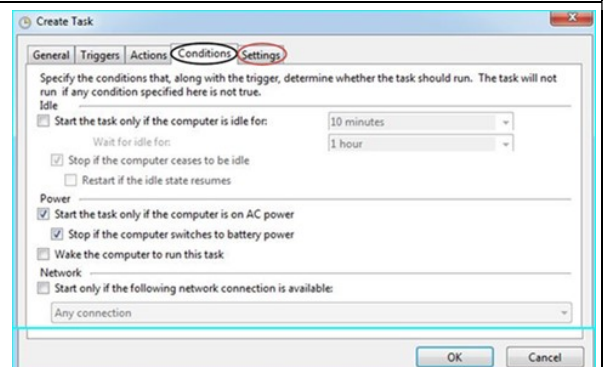


The details to start the program appear now in the **Actions** window →



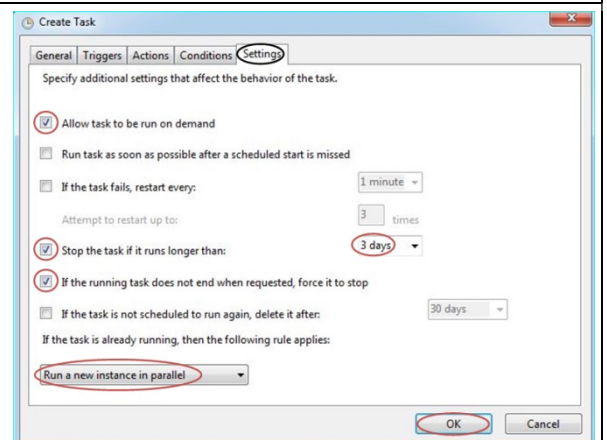
Click the Tab **Conditions**

You shouldn't have to modify anything in this window. Just **verify** that you have **the same thing** as on the **opposite screen shot**.



Click the Tab **Settings**

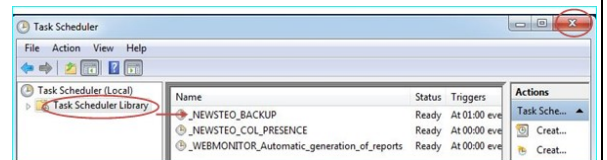
Complete the window as on the opposite screen shot



Click **OK**

The Task **_NEWSTEO_BACKUP** appears now in the **Task scheduler** window.

Close the window **Task Scheduler**



4 Start your COL and your loggers on the default database provided by Newsteo

4.1 Connect the default Database provided by NEWSTEO

You will configure the connection to a test database provided by Newsteo, allowing you to validate the correct operation of your installation.

Return your collector to find the technical information required.

At the back of your COL, you will find the technical information required.

- the **Database Name**
- the **Login**
- the **Password**

COL22-3 Configuration

RF Monitor & DB Monitor Config COLLECTEUR

Hôte: db.newsteo-webmonitor.com Adresse : www.newsteo-webmonitor.com
 HTTP: X Port : 443
 Port: 443
 Nom d'utilisateur: XXXXXX Nom : XXXXXX
 Mot de passe: YYYYYY Identifiant : XXXXXX
 Base existante: XXXXXX Mot de passe : YYYYYY

Config WEBMONITOR
 http://www.newsteo-webmonitor.com
 Nom de la base: XXXXXX
 Identifiant : XXXXXX
 Mot de passe : YYYYYY

Open your Internet browser

Enter www.newsteo-webmonitor.com

Do not forget to select the language

Enter the **Database Name** and the **Login**

Enter the **Password**

Click **LOG IN**

https://app.newsteo-webmonitor.com

Applications Transmission de données Newsteo | Portal Gmail

newsteo Websteo Monitoring

Database name : XXXXXX
 Login : XXXXXX
 Password : *****
 Remember me
 LOG IN

Legal notice | V5.0.20.0 | Copyright by Newsteo S.A.S. 2012 - 2016

In **Dashboard**

You get the message **Loading data error**

newsteo Websteo Monitoring

Alerts Messages Help

Dashboard
 Alert Log
 Reports
 Settings

Loading data error. Please contact us if the error persist.

Click on **Paramètres**

Click on **Interface**

Select the **language**

newsteo Websteo Monitoring

Alerts Messages Help

Dashboard
 Alert Log
 Reports
 Settings
 Devices
 Firmware update
 Interface
 E-mail server
 PDF report
 Loggers alerts
 Loggers group

Interface settings

Select language : English

Columns to display for the dashboard :

Available columns:
 Sensor: S
 Root
 Group

4.2 Start the COL

Start first webmonitor on the default database provided by NEWSTEO (see paragraph: 4)

Description:

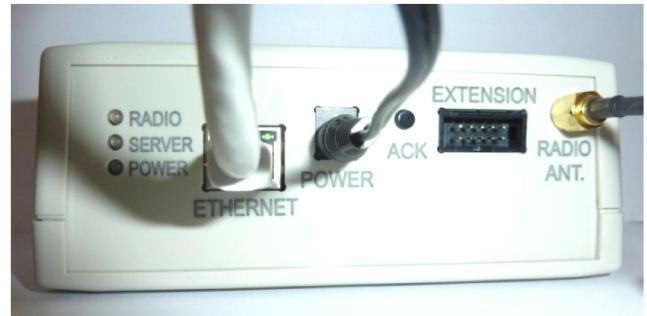
RADIO: Indicator light for the Radio reception

SERVER: Indicator light for the Ethernet communication

POWER: Indicator light for the Power supply

Collector connection:

- First connect the battery
- Screw the antenna on RADIO ANT
- Plug the Ethernet cable on ETHERNET
- Plug the power supply on POWER



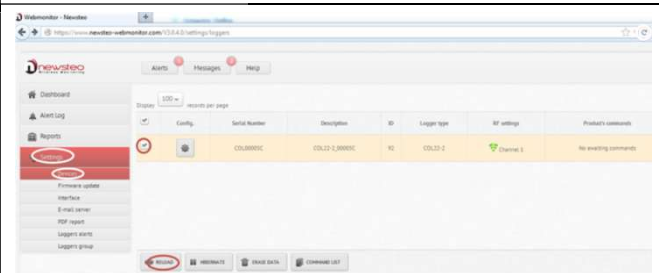
Wait for 3 sound beep from your COL

Click on **Settings**

Click on **Devices**

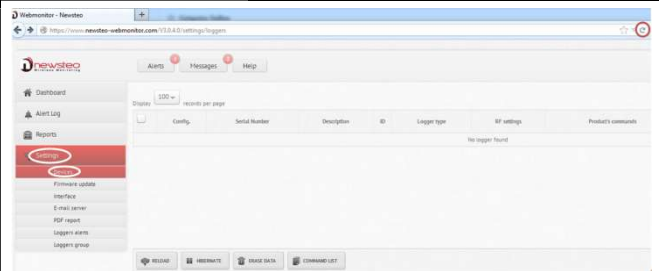
Select the Line of your COL

Click **Reload**



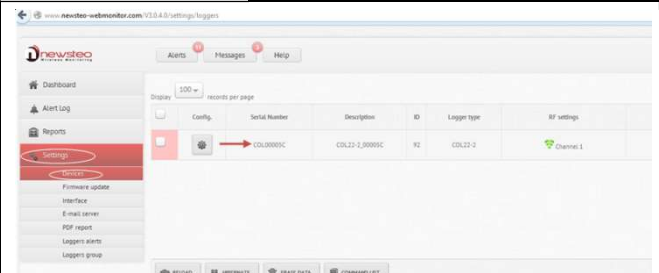
Press **ACK Button** on the back of your COL

After the sound BEEP, **refresh the internet page**



The Line of your COL reappears

The COL is now correctly detected



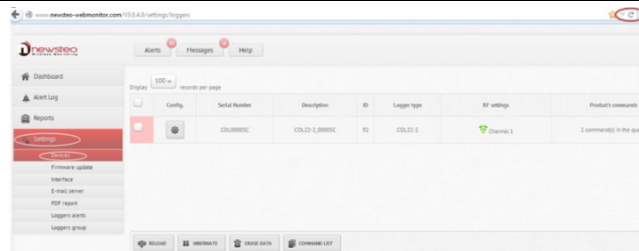
4.3 Start the loggers

For each logger you have, repeat the following process:

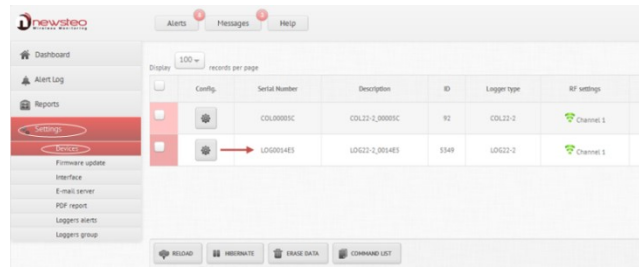
Once your COL is correctly detected (see paragraph 4.2 **Start the COL**), pass the magnet on each logger to see the loggers appear in the list



After the sound BEEP, refresh the internet page (click F5)



The logger appears in the list



5 Configure your products

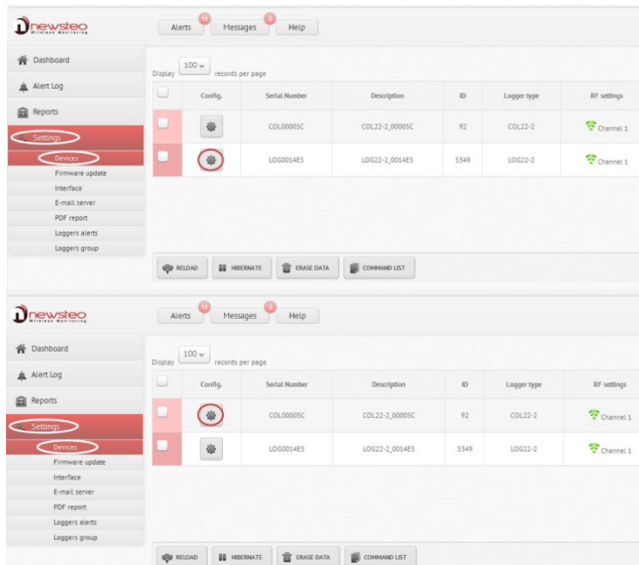
To modify the configuration, for each product, you will have to:

Click on **Settings**

Click on **Devices**

Click on the **Configuration icon** of the logger or of the COL

First, Configure your loggers



5.1 Configure your loggers

Each time you save a new configuration for a logger, do not forget to :

- **Pass the magnet** on your logger – If you are not able to reach your logger, wait for the sound BEEP
- After the sound BEEP, **refresh the internet page** (click F5)

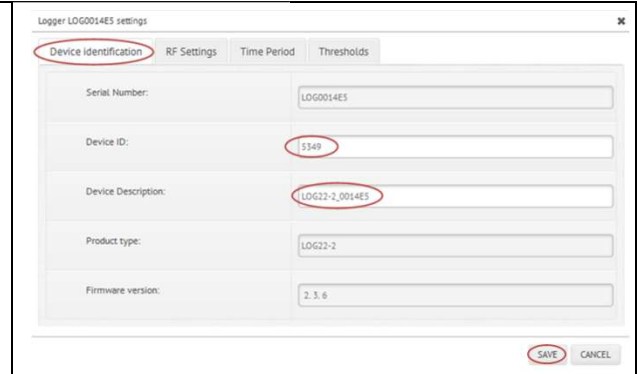
5.1.1 Configure the Identification

For each logger that you have:

Click on **Devices identification**

- ➔ You can change the device ID (ex: 1, 2)
- ➔ You can change the Devices description (ex: warehouse)

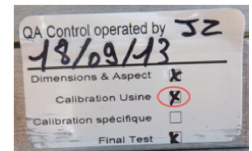
Click on **Save**



5.1.2 Configure the channel – RF settings

You powered your COL and your logger(s) by default on the channel 1 which is the channel for startup.
You must now change the channel:

- Use the securization of the channel if this option is available for **all your loggers** (available for **all LOG** - also available for **all LGR** which have a “Calibration usine”)
- You must **modify the channel of all your loggers before modifying the channel of your COL**
- The loggers and the COL must have the **same channel** to communicate



For each logger that you have:

Click on **RF Settings**

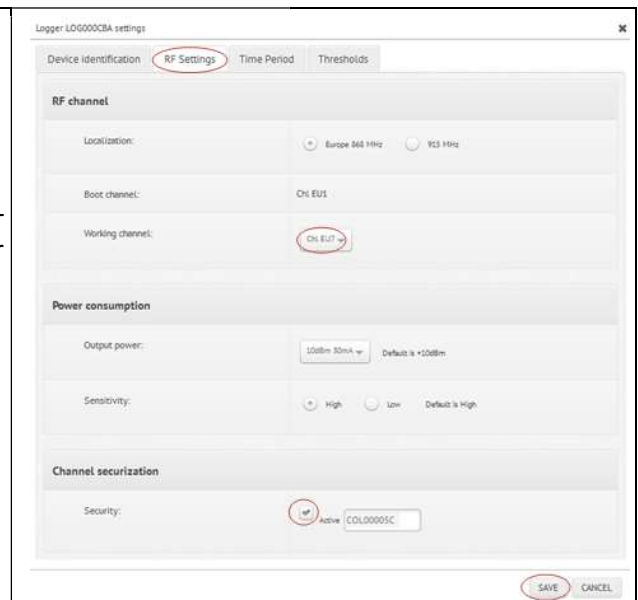
- ➔ Select a working channel different from the channel 1
- ➔ Activate the security (if available for all your loggers) – by default the securization proposed is the serial number of your COL

Note:

Chanel

Security

Click on **Save**



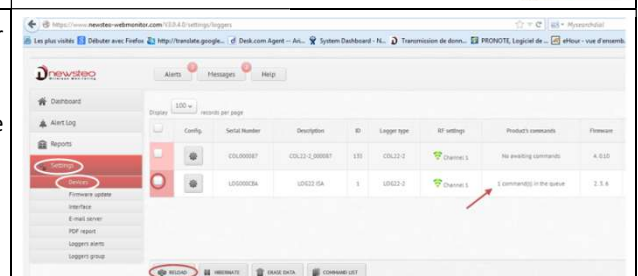
Remark: As for each command, after the save, pass the magnet on your logger to send the command.
After that, the line of the logger **still indicate that a command is waiting**. It's normal, because the COL can not communicate anymore with the logger.

Click **Settings**

Click **Devices**

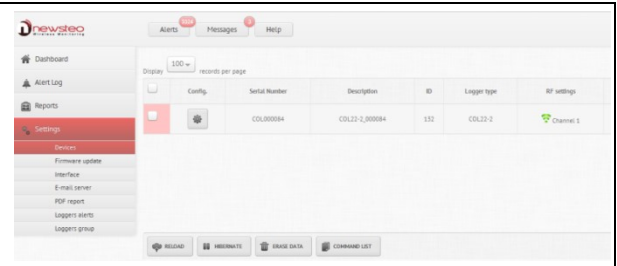
Select the Line of your LOG

Click **Reload**



The line of the logger disappear

Warning: To be able to continue to communicate and to configure the loggers, you must set all the loggers on the same channel. For this, you must also configure the COL on the same channel (5.2.2 Configure the channel – RF settings)



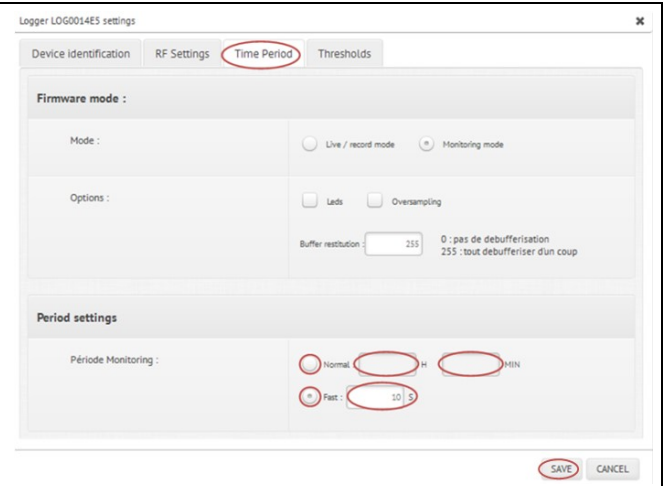
5.1.3 Configure the period of measure – Time Period

For each logger that you have:

Click on **Time Period**

- ➔ Select **Normal** to give a value in hours and/or in minutes
- ➔ Select **Fast** to give a value in second lower than 1 minute

Click on **Save**



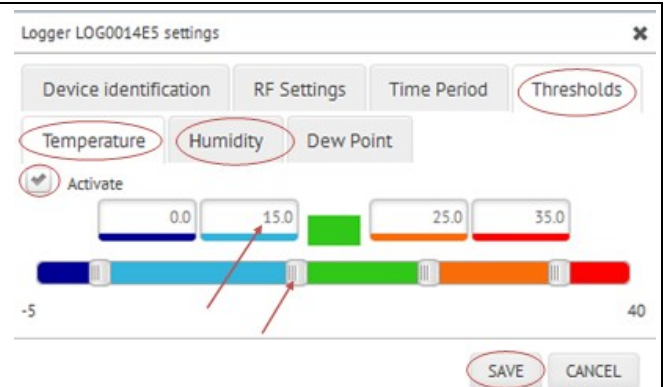
5.1.4 Configure the thresholds

For each logger that you have:

Click on **Thresholds**

- ➔ Select a **sensor** (ex: temperature or humidity)
- ➔ Select **Activate** to activate the thresholds on the sensor
- ➔ Move the **Cursors** or directly give the values for the thresholds

Click on **Save**



5.2 Configure your COL

Each time you save a new configuration for the COL, do not forget to :

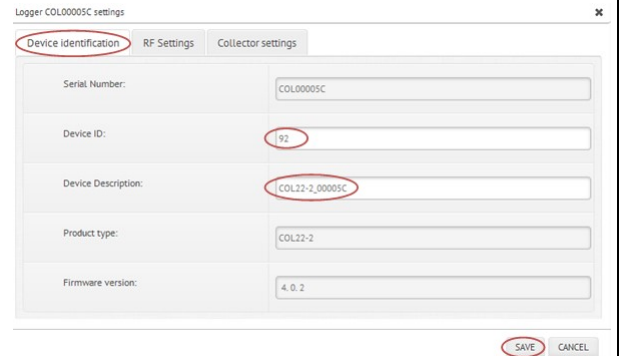
- Press **ACK Button** on the back of your COL - If you are not able to reach the COL, wait for 2 minutes
- After the sound BEEP, **refresh the internet page (click F5)**

5.2.1 Configure the Identification

Click on **Devices identification**

- ➔ You can change the device ID (ex: 1, 2)
- ➔ You can change the Devices description (ex: roof)

Click on **Save**



5.2.2 Configure the channel – RF settings

You powered your COL and your logger(s) by default on the channel 1 which is the channel for startup.

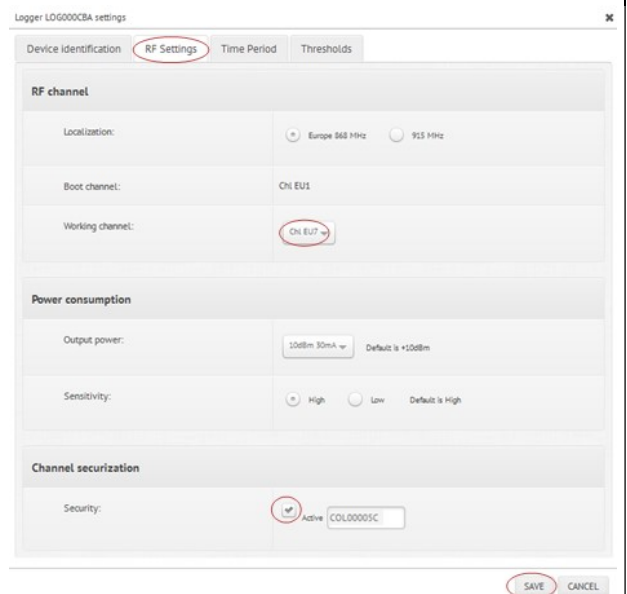
Once you have change the channel of all your loggers, you must change the channel of your COL:

- Use the **same configuration** (channel and securization) as the one use for **your loggers** because the loggers and the COL must have the **same channel** to communicate

Click on **RF Settings**

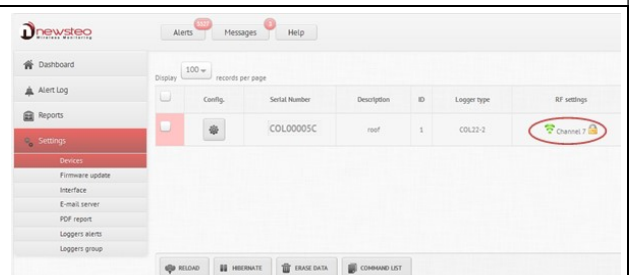
- ➔ Select the same working channel as the one use for your loggers
- ➔ Activate the security if you did it for the loggers – use the same securization as the one used for your loggers

Click on **Save**



- Press **ACK Button** on the back of your COL
- After the sound BEEP, **refresh the internet page (click F5)**

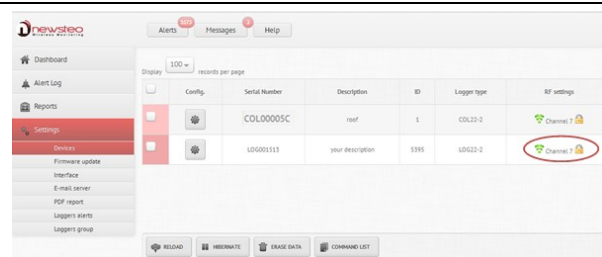
The new working channel of the COL is now displayed with the securization symbol (if used)



- Pass the magnet on your loggers
- After the sound BEEP, **refresh the internet page (click F5)**

The new working channel of the loggers are now displayed with the securization symbol (if used)

Remark: You can now return to **5.1.3 Configure the period of measure – Time Period** to end the configuration of your loggers



5.2.3 Collector settings

Click on **Collector Settings**

COLLECTED MEASURED

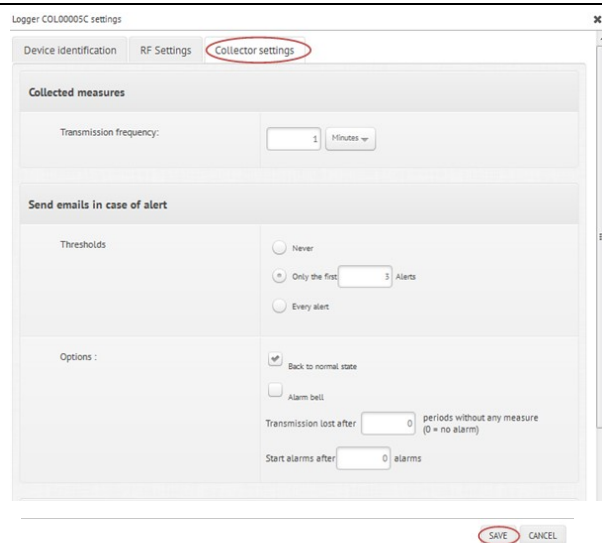
The **transmission frequency** is the frequency of transmission of the collected data (by the collector) to the database - We recommend not to change this value

SEND EMAILS IN CASE OF ALERT

You can define here the frequency of the alert that you need for the emails. (for all the alerts (not recommended) only for the first x alerts, if you need a email when the alert is ended, ...)

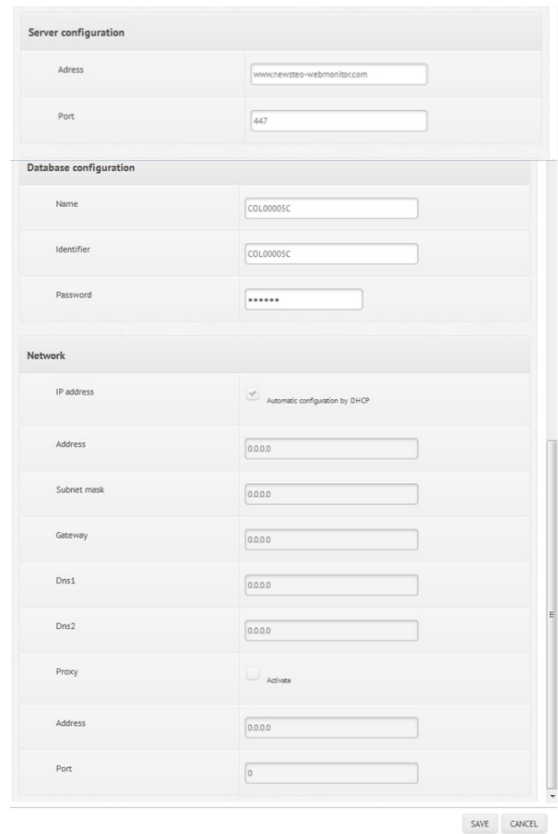
You can activate the alarm when there is a lost of transmission between the COL and the loggers (3 periods without measures recommended in this case)

Click on **Save**



If you are hosting your data by your own, you will need to modify the **Server configuration** and the **Database configuration** later.

If you have chosen to use the Newsteo data hosting, don't change the parameters

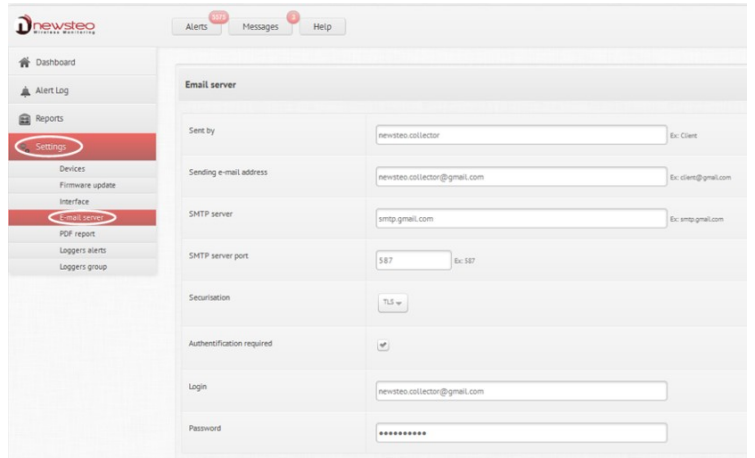


5.2.4 Configure your email alert

Click on **Settings**
Click on **E-mail Server**

Configure the server to receive your e-mail alerts
Ask for your network administrator for this configuration.

Click on **Save**

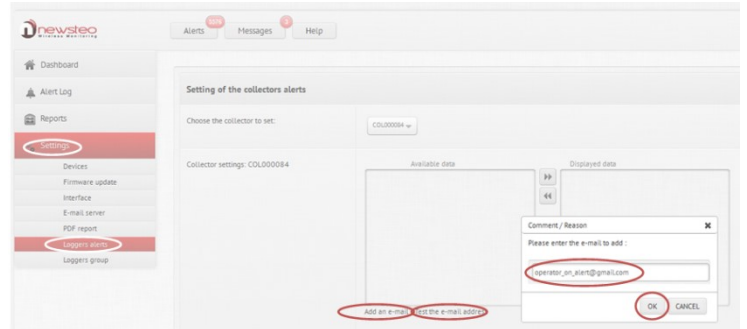


Click on **Test Settings**
Verify in e-mail box that you received the e-mail of test

HELP **TEST SETTINGS**

Click on **Settings**
Click on **Loggers alerts**
Click on **Add an e-mail**
Enter the e-mail of the person who will receive the alerts
Click on **OK**


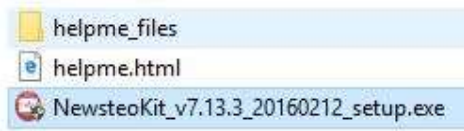



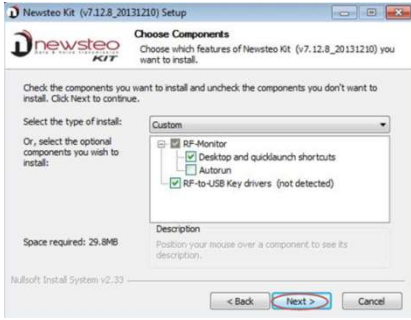
Click on **Test the e-mail address**
Verify in their e-mail box that they received the e-mail of test

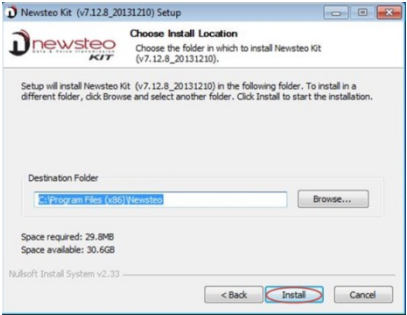
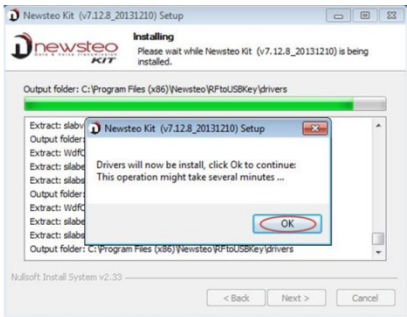

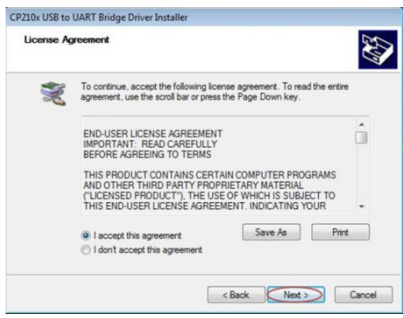




6 Install DB Monitor and connect DB Monitor to your own Database

If you were using the RF Monitor software before this installation, refer directly to paragraph 2

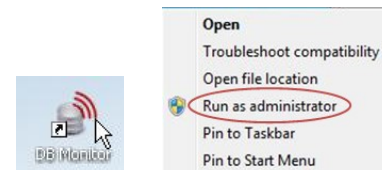
6.1 Install DB Monitor (Newsteo Kit)

<p>Insert the USB Newsteo key</p>  <p>Double click on : NewsteoKit_vx.x.x_aaaammjj_setup.exe</p> <p>Or download Newsteokit_vx.xx.x_yyyymmdd_setup.zip from: http://support.newsteo.com/customer/en/portal/articles/1133777-rf-monitor---installation---mise-%C3%A0-jour---logiciel</p>	
<p>Select the Language Click OK</p>	
<p>Click Next</p>	
<p>Click I Agree</p>	
<p>Click Next</p>	

Click Install	
Click OK	
Click Next	
Select I accept this agreement Click Next	
Click Finish	
Click Finish	

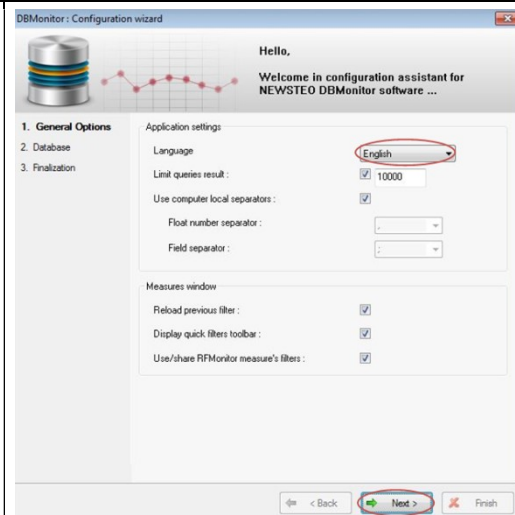
6.2 Connect DB Monitor to your own Database

After the restart of your computer,
Right click on the **DB Monitor** icon
Click on **Run as administrator**



Select the **Language**

Click **Next**



Remember the name, the password and the IP adress of the Database
which has been created in paragraph 3.2.2 Create your Database

Select **Remote Database**

Fill the **Username** and the **Database name** with the **Name**

Fill the **Password** with **PassWord**

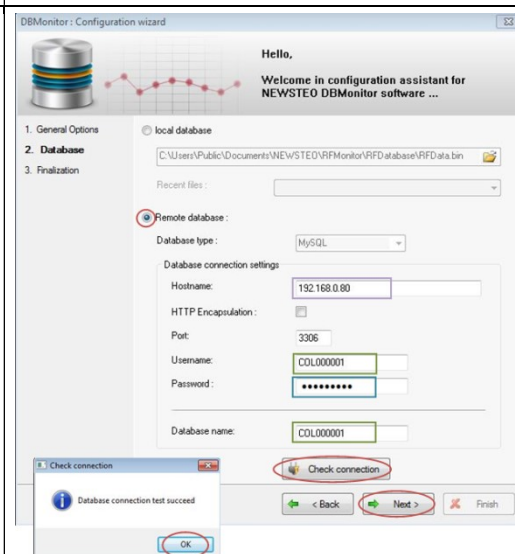
Fill **Hostname** with the **IP adress**

Click **Check Connection**

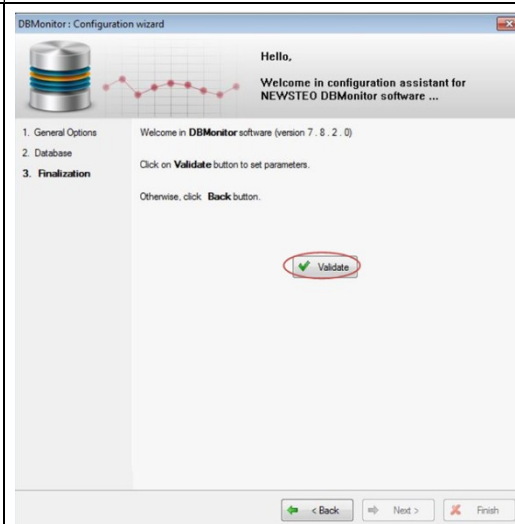
You get the message "Database connection test succeed"

Click **OK**

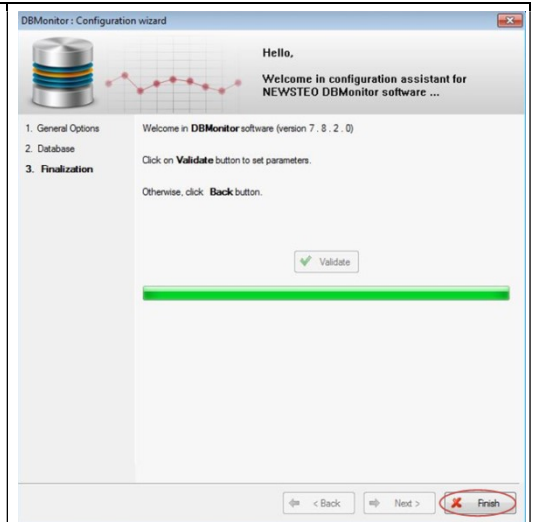
Click **Next**



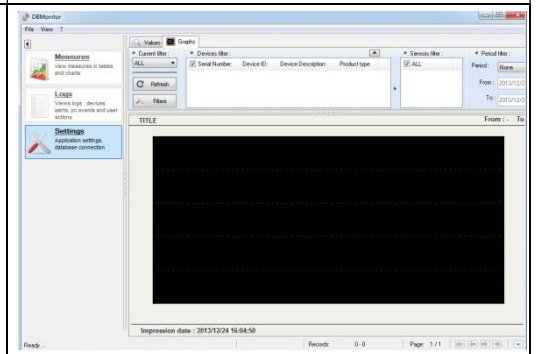
Click **Validate**



Click **Finish**



You are now connected to your empty Database



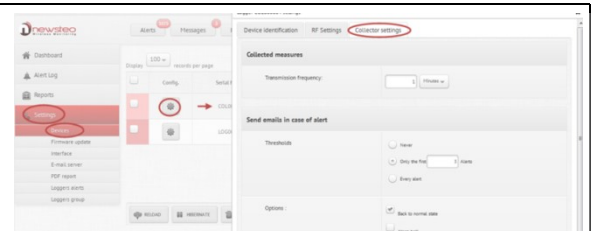
7 Connect the COL to your own database

Click on **Settings**

Click on **Devices**

Click on the **Configuration icon** on the line of your COL

Click on **Collector Settings**



Remember the name, the password and the IP address of the Database which has been created in paragraph 3.2.2 **Create your Database**

In the part **SERVER CONFIGURATION**:

Fill the **Name** and the **Identifier** with the **Name**

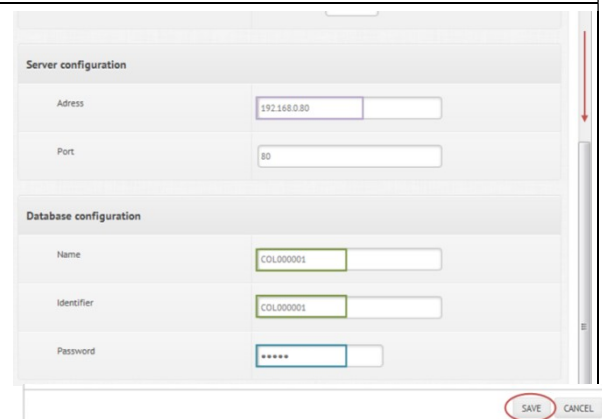
Fill the **Password** with **PassWord**

Fill the **Address** with the **IP address**

Click on **Save**

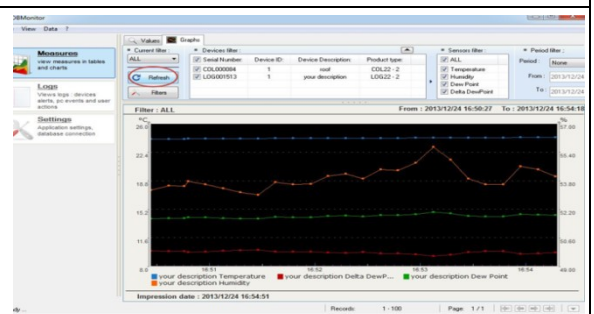
Press **ACK Button** on the back of your COL - If you are not able to reach the COL, wait for 2 minutes

After the sound BEEP, **refresh the internet page (click F5)**

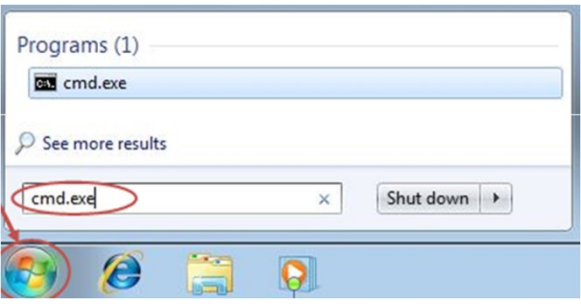
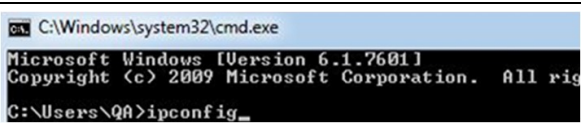
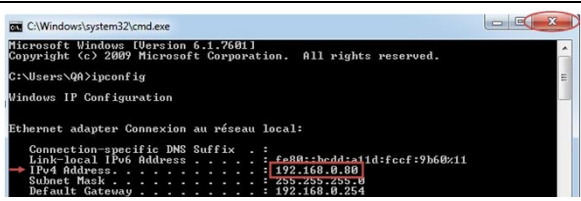


Click on **Refresh** in the **DB Monitor** software

You can now visualise your data on your own Data base



8 Annexe – you can't remember you IP address

<p>If you can't remember the IP address of your computer:</p> <ul style="list-style-type: none"> • Click WINDOWS icon • Enter the command: cmd.exe • Press Enter 	 <p>The screenshot shows the Windows Start menu search interface. The search bar contains 'cmd.exe'. Below the search bar, the results show 'cmd.exe' as the only program found. A red circle highlights the search bar, and a red arrow points to the 'cmd.exe' result.</p>
<ul style="list-style-type: none"> • Write ipconfig • Press Enter 	 <p>The screenshot shows a Windows command prompt window titled 'C:\Windows\system32\cmd.exe'. The prompt shows the output of the 'ipconfig' command, which displays network configuration information for the 'Ethernet adapter Connexion au réseau local'.</p>
<ul style="list-style-type: none"> • Get your IP address on the line IPv4 Address • Click [X] to close the windows 	 <p>The screenshot shows the same Windows command prompt window as the previous one. The output of the 'ipconfig' command is displayed, and the 'IPv4 Address' line is highlighted with a red box. The IP address '192.168.0.88' is visible next to it. A red circle highlights the 'X' button in the top right corner of the window.</p>

Address of the manufacturer:

NEWSTEO S.A.S.
93 avenue des Sorbiers – ZE Athelia 4
13 600 La Ciotat – France