

ABN: 69150916840 www.evolveplus.com.au

Mailer for SensorServer

Installation & Configuration Guide

Version Date: August 2018

© 2018 EvolvePlus Pty Ltd. All rights reserved. This publication is provided "as is" without warranty of any kind, either express or implied. The names of actual companies and products mentioned herein may be the trademarks of their respective owners. We reserve the right to revise and make changes to the content of this document from time to time without notice.

Table of Contents

Introduction	
Check Your Version of CentralManagement	3
Install the CentralManagement v1.3.3 Update	4
Download Installer	4
Install CentralManagement Update	4
Configure Mailer Application Settings	6
Test Mailer.exe from Command Line to Ensure Email is Sent	8
Schedule Email Notification Using Windows Task Scheduler	9

Introduction

The Mailer application for SensorServer enables you to configure your server to send automatic email notifications to display any issues with your Wireless People Counter solution.

It is a great way of ensuring that your People Counter solution is operating correctly without having to manually login to the CentralManagement web application each day.

The email notification generated by the Mailer application for SensorServer will display some of the following status':

- Infrared between transmitter(PTx) and receiver(PRx) blocked
- No data received for more than xx minutes
- Low Battery

Check Your Version of CentralManagement

The Mailer application for SensorServer requires the version 1.3.3 of the CentralManagement web app for SensorServer.

The easiest way to check if you have version 1.3.3 of the CentralManagement web app is to:

- 1. Open the CentralManagement web app in your browser (e.g. <u>http://127.0.0.1/CentralManagement</u>)
- 2. Hover your cursor over the *Modules* menu (at top of the page)
- 3. If *Mailer* does not appear in the sub-menu below the Modules menu (as shown below) you will need to install the CentralManagement v1.3.3 update



Install the CentralManagement v1.3.3 Update

This section describes the process for installing the version 1.3.3 of the CentralManagement web app for SensorServer.

You will not need to install the update if the Mailer mailer already appear in the sub-menu below the Modules menu or if you are using the new IMMOTION Software application.

Important: before proceeding with the update you should make sure you have a full backup of your SensorServer application (normally installed at C:\Program Files (x86)\SensorServer) as well as your MySQL database.

Download Installer

You can download the Installer for the CentralManagement v1.3.3 Update from: <u>https://documents.evolveplus.com.au/s/fXtwzrOGsHcqRKZ</u>

The installer name is CentralManagement Web App Update for SensorServer.msi

Install CentralManagement Update

On the machine where the SensorServer software has been installed run the downloaded installer "CentralManagement Web App Update for SensorServer.msi"

On the Welcome screen click "Next >"



App Update for SensorS
ifferent folder, enter it below or click
ralManagement\ Browse
iack Nert > Cancel
orServer Setup X
inagement Web App Update for
t to review or change any of your exit the wizard.
3

You may get the message displayed:

"Do you want to allow the following program from an unknown publisher to make changes to this computer?" Click "Yes" to continue.

Advanced Installer

On completion click "Finish"



< Back 🗣 Install Cancel

Configure Mailer Application Settings

The Mailer application settings are configured within the CentralManagement web app.

To access the Central Management Web App for SensorServer open your browser and enter the URL http://127.0.0.1/CentralManagement

Note: if SensorServer is installed on a different servername or IP address replace 127.0.0.1 in the above example with this address.

For example: if you access the EasyReports app with the URL http://10.0.0.1/EasyReports then the URL for the CentralManagement app will be <u>http://10.0.0.1/CentralManagement</u>

Within the CentralManagement web app hover your cursor over the *Modules* menu (at top of the page) and click on the *Mailer* sub-menu item.



Enter the Mailer email notification configuration settings.

CentralManagement ×	θ - □ >
C 127.0.0.1/CentralManagement/?i=mailer	Q \$
me Locations Modules Tools	
	Mailer Configuration
Default Configuration	New York States and Stat
From : notifications@evolveplus.co	
To: trevor@evolveplus.com.au	
Cc :	
Bcc :	
Subject : SensorServer Daily Notifica	
Mail Body Header :	
Mail Body URL : http://127.0.0.1/CentralMan	
Mail Body Footer :	
SMTP Server : 10.0.0.1 : 25	

The settings you will need to include are:

Setting	Description
From:	The "From" email address to use as the "Sender" of the email
То:	To email address to send the notification to
CC:	Optional. To email address to send the notification to as a CC
Bcc:	Optional. To email address to send the notification to as a BCC

Subject:	The Subject to display on the notification For example: <i>SensorServer Daily Notification</i>
Mail Body Header:	Optional.
Mail Body URL:	The URL of the CentralManagement status to include in the body of the email notification: For example: <u>http://127.0.0.1/CentralManagement/monitoring.php?embed=true&a=loadstates</u> (Replace 127.0.0.1 with the address of your SensorServer)
Mail Body Footer:	Optional.
SMTP Server	The SMTP hostname or IP address (for your email server) as well as the port of the SMTP server (e.g. 25) Note: the Mailer application only supports SMTP email servers without authentication parameters

Test Mailer.exe from Command Line to Ensure Email is Sent

Open the Windows Command

Go to the SensorServer apps folder

cd C:\Program Files (x86)\SensorServer\Apps

Run the Mailer Command:

mailer.exe default

The command line should display the various settings as it prepares the email for sending

Command Prompt
C:\Program Files (x86)\SensorServer\Apps≻mailer default Connecting to database
Read config [from] ->
Read config [cc] ->
Read config [bcc] -> Read config [subject] -> SensorServer Daily Notification
Read config [smtphost] ->
Read config [smtpport] -> 25 Composing EMail
Read config [body] -> http://127.0.0.1/CentralManagement/monitoring.php?embed=true&a=loadstates Read config [bodyheader]Read config [bodyfooter]Requesting mail body
Sending EMail
C:\Program Files (x86)\SensorServer\Apps>

Schedule Email Notification Using Windows Task Scheduler

Use Windows Task Scheduler to schedule Mailer.exe to run everyday (or at a frequency that you choose)

Example

The following is an example of scheduling the Mailer application to send an email notification each day at 9am

Start the Task Scheduler application (from the Windows Start menu)

Create a Folder called SensorServer Mailer.

Task Scheduler		- 🗆 ×
File Action View Help		
🗢 🔿 🙍 🖬 🛛 🖬		
Task Scheduler (Local)	Name Status Triggers	Actions
Microsoft	log GoogleUpda Ready Multiple triggers defined	Task Scheduler Library
> MySQL	🕒 GoogleUpda Ready At 9:21 AM every day - After triggered, repeat every 1 hour for a duration of 1 day	Create Basic Task
S-1-5-21-4101103874-	B MySQLNotif Ready At 5:10 PM every Sunday every 4 weeks, starting 5/11/2017	🐌 Create Task
	OneDrive St Ready At 4:00 AM on 1/05/1992 - After triggered, repeat every 1.00:00:00 indefinitely.	Import Task
		Display All Running Tasks
		Enable All Tasks History
		Now Folder
		New Polder
	< Fater name of the new folder >	View
	General Triggers Actions	A Refresh
	Name A	🕐 Help
	Name: GoogleUpda SensorServer Mailer	Selected Item
	Location:	▶ Run
	Author:	End End
	Description: Keeps your Google software up to date. If this task is disabled or stopped, your Google sc will not be kent up to date, meaning security vulperabilities that may arise cannot be five	Disable
	features may not work. This task uninstalls itself when there is no Google software using	Export

After entering the SensorServer Mailer folder choose Create Basic Task from the Actions panel.



Enter a name (e.g. SensorServer People Counter Email Notification) and click New	xt
--	----

					3	
Create Basic Task Wizard						Х
Create a Basic	Task					
Create a Basic Task Trigger	Use this wiza such as mult	rd to quickly sch tiple task actions	edule a common or triggers, use th	task. For more advance e Create Task command	d options or settings I in the Actions pane	s 5.
Action	Name:	SensorServer Pe	eople Counter En	nail Notification		
Finish	Description:					
				< Back	Next > Cance	el

Choose the frequency (e.g. Daily) and click Next

Create Basic Task Wizard		×
🐌 Task Trigger		
Create a Basic Task	When do you want the task to start?	
Trigger	Daily	
Action	○ Weekly	
rinsn	○ Monthly	
	○ One time	
	O When the computer starts	
	O When I log on	
	O When a specific event is logged	

If you chose Daily you can set the time for the event (e.g. 9am)

	Create Basic Task Wizard		×	
	Daily			
	Create a Basic Task			
		Start: 20/08/2018 🔍 9:00:00 AM 🗧 🗌 Synchronize across time zones		
1	Irigger			
Ì	Daily	Recur every: 1 days		
	Action			
	Finish			

Choose Start a program

Create Basic Task Wizard		×
Create a Basic Task Trigger Daily	What action do you want the task to perform?	
Action Finish	Start a program Send an e-mail (deprecated) Display a message (deprecated)	

Enter the command in the program/script field (including quotations)

"C:\Program Files (x86)\SensorServer\Apps\Mailer.exe" default

			_
Create Basic Task Wizard			X
迿 Start a Program			
Create a Basic Task			
Trigger	Program/script:		
Daily	"C:\Program Files (x86)\SensorServer\Apps\Mailer.exe" default	Browse	
Action		browsen	_
Start a Program	Add arguments (optional):		
Finish	Start in (optional):		
			_

If the following dialogue appears click Yes

?	It appears as though arguments have been included in the Program text box. Do you want to run the following program: "C:\Program Files (x86)\SensorSenver\Apps\Mailer.exe" With the following arguments: default	
		_

Create Basic Task Wizard			
🥘 Summary			
Create a Basic Task			
Trigger	Name:	SensorServer People Counter Email Notification	
Daily	Description:		
Action			
Start a Program			
Finish			
	Trigger:	Daily; At 9:00 AM every day	
	Action:	Start a program; "C:\Program Files (x86)\SensorServer\Apps\Mailer.exe"	•
	🗹 Open the	Properties dialog for this task when I click Finish	
	When you cli	ck Finish, the new task will be created and added to your Windows schedule	
		< Back Finish Canc	f

Check Open the Properties dialog for this task when I click Finish (and click Finish)

If you wish the created task to run even when the computer is not logged on you can select *Run whether* user is logged on or not

(this is suggested for most servers that do not remain logged in)

You will prompted for the login credential to use for running the task.

Name:	SensorServer People Counter Email Notification
Location	\SensorServer Mailer
Author:	VTREV-EVA
Description	
Description:	
-Security on	
When run	ning the tack use the following user account:
heermart	Change User or Group
	change oser of oroup
O Run on	ly when user is logged on
Run wh	nether user is logged on or not
Do	not store password. The task will only have access to local computer resources.
	th highest privileges
□ Run wit	
Run wit	

Frequently Asked Questions (FAQ)

Question: How can we have the notifications emailed to more than three email addresses (To, CC and BCC)?

Answer: Whilst it is limited to two email addresses you can create an "email distribution list" on your own email server which can forward to multiple people.

For example: you could have your email administration create a distribution list called "notifications@mycouncil.org" which distributes the message to multiple people (such as sally@mycouncil.org, tom@mycouncil.org, wendy@mycouncil.org, etc.)

Question: What are the different status' displayed in the notification? Answer:

- Infrared between transmitter(PTx) and receiver(PRx) blocked
- No data received for more than xx minutes
- Low Battery

Question: If the notification displays a status of "Infrared between transmitter(PTx) and receiver(PRx) blocked. No data received for more than 30 minutes" does this mean there is something obstructing the sensor infrared ray ie. a fixture, chair or other object is in front of the sensors?

Answer: This generally means that there is an object blocking the Infrared beam between the transmitter and receiver. It can also occur when the transmitter has not enough battery power left to send data.

Question: How do you troubleshoot a message of "No data received for more than 30 minutes"?

Answer: This error is displayed when there is no data, it could be anything from no internet connection through to a stolen Sensor Network Gateway. Generally if this message occurs we usually check the anything related to the network or the sensors including:

- Sensors
- Sensor Network Gateway
- Network & internet connectivity
- Firewall
- SensorServer application/services running on the server
- Etc.

Question: what is determined by a "New Alert" or a "Pending Alert"?

Answer: When the Mailer application runs a query and gets the monitoring results and puts them in the mail, the next time the query is run the previous results in the mail will be pending and the new status' will be shown as new. Depending on how often you schedule the Mailer determines the duration of a new alert.