

Advantech SE Technical Share Document

Date	2019 / 05 / 06	Related Product		
Category	■ FAQ □ SOP □ Driver Tech Note			
Abstract	How to Configure Alarm To Line Function			
Keyword	WebAccess/SCADA, Line			
Related OS	Win7, Win10, Windows Server 2008 / 2012 / 2016,			
Revision History				
Date	Version	Author	Reviewer	Description
2019/02/26	V1.0	Jimmy Lee		
2019/05/06	V1.1	Eden.Sun	Nick.Liu	Translation & Debug

■ Problem Description:

How to send WebAccess alarm messages by us line application?

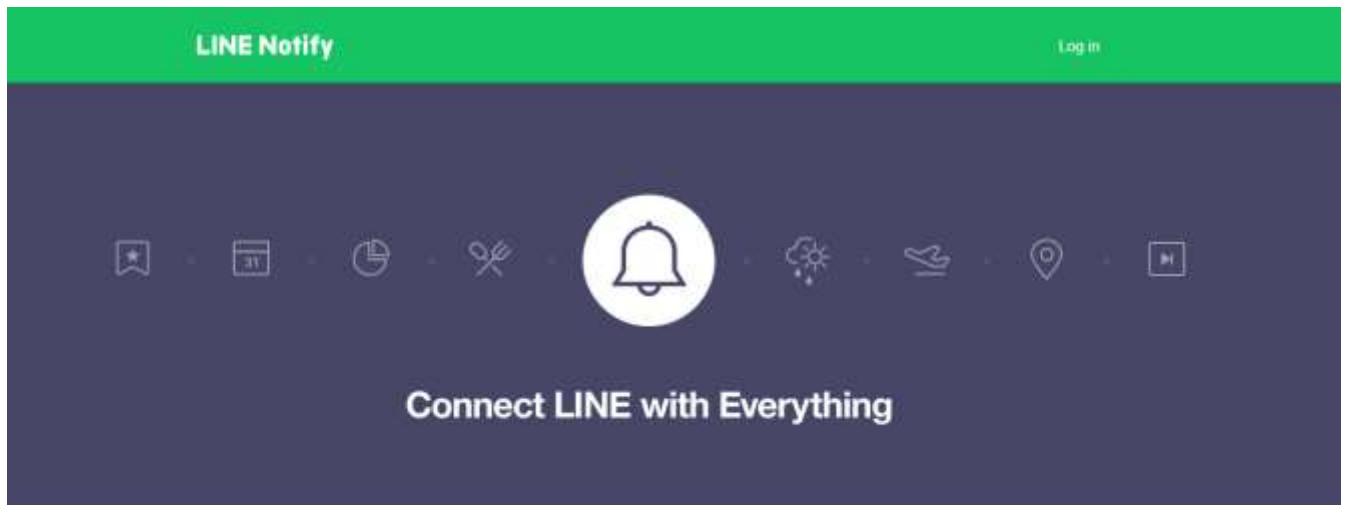


Figure 1: Line Alarm Message

■ Brief Solution - Step by Step:

1. In Line Setting

In the website about Line Notify, <https://notify-bot.line.me/en/> , below picture.



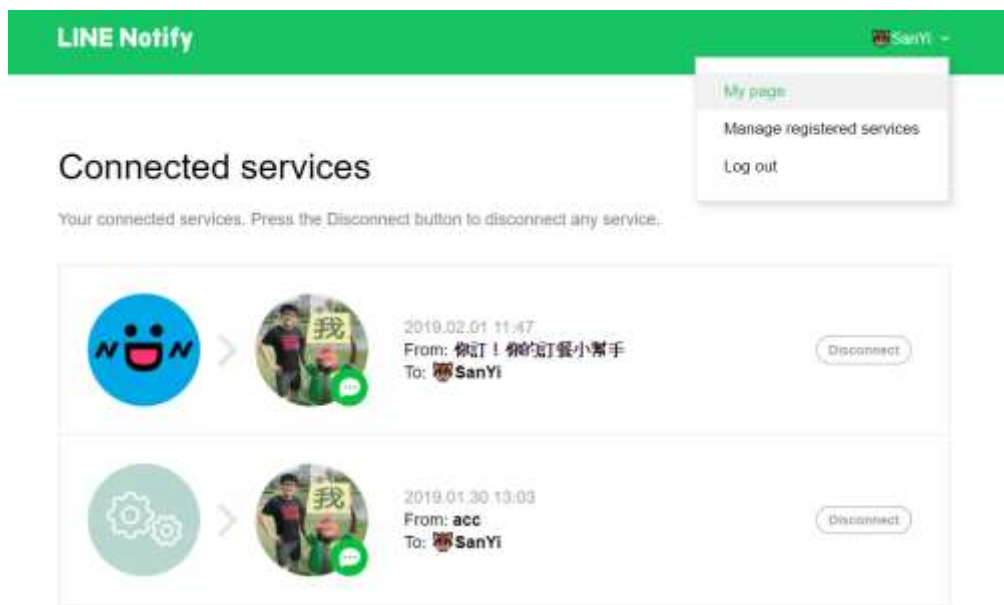
Receive web service notifications on LINE

Get notifications from LINE Notify's official account after connecting with your preferred web services.

You can receive notifications from multiple services in groups or 1-on-1 chats.

Figure 2: Line Notify

Login and go to "My page" , below picture.



Generate access token (For developers)

By using personal access tokens, you can configure notifications without having to add a web service.

Figure 3: Line Notify My page

Push the generate token button, enter a token name to be displayed before each notification, and select a chat to send notifications to, below picture.

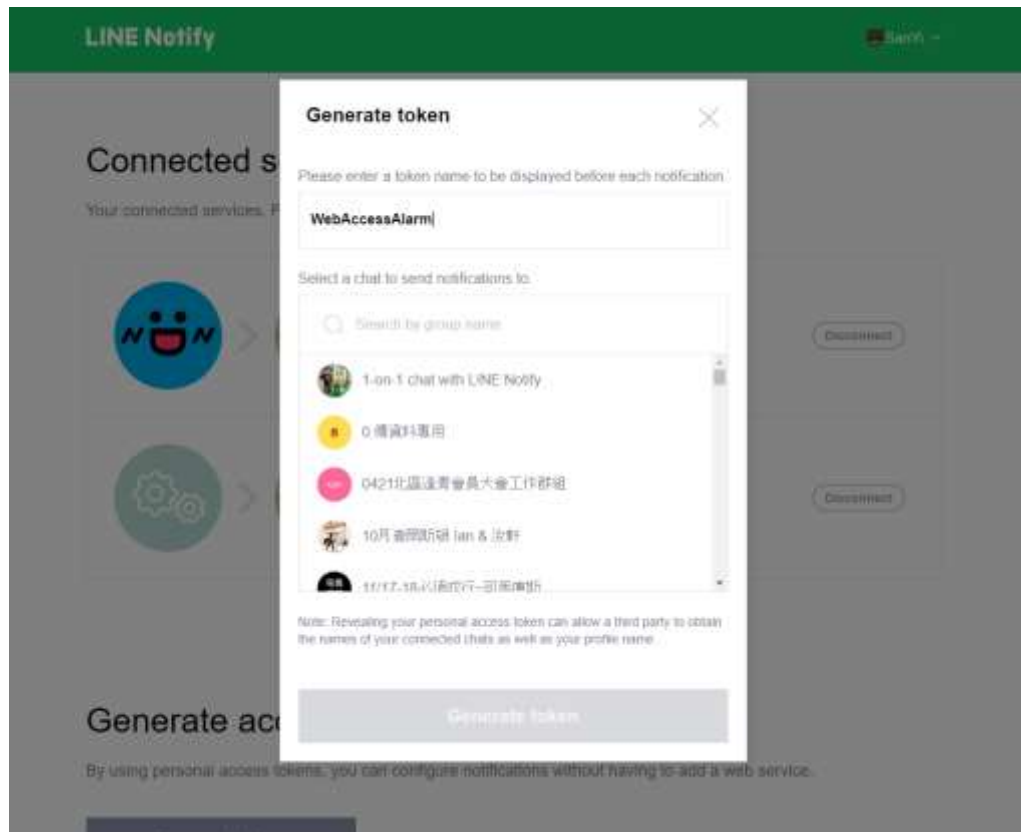


Figure 4: Generate token

After made generate token, then copy the token (It's used by WebAccess) , below picture.

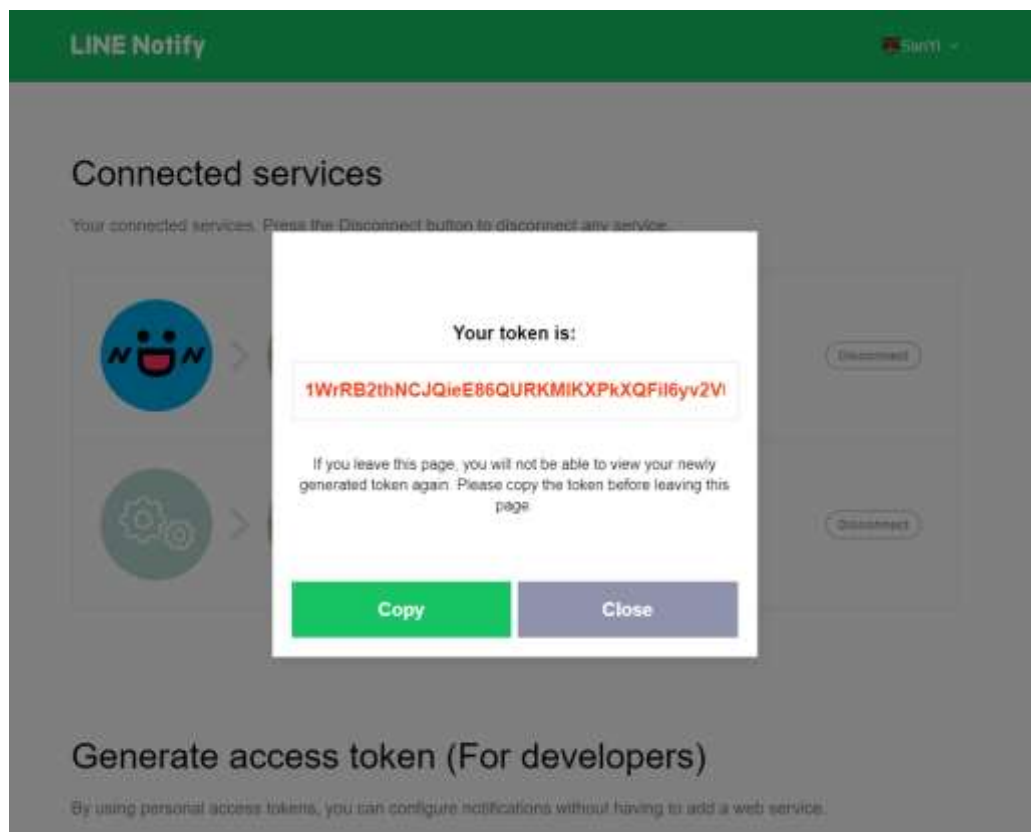


Figure 5: Copy generate token

2. In WebAccess setting

◆ Tag Information Alarm Setting (Setting Tag which one you take care.)

Make sure the tag alarm which one you take care in the project has been open, and also check this tag has added to “Alarm Management System”.

The top screenshot shows the 'Update Tag' dialog box in the Advantech WebAccess Project Manager. The 'Tag Type' is set to 'Alarm'. The 'Tag Name' is '30001'. The 'Description' is 'Analog Input'. The 'Scan Type' is 'Continuous Scan'. The 'Address' is '30001'. The 'Update Tag' button is highlighted.

The bottom screenshot shows the 'Alarm Data' configuration page. It includes settings for 'Log to ODBC frequency', 'Analog Change Log', 'Analog Change Log Dead Band', 'ODBC Log Data Source', and 'Alarm Size'. Below these are sections for 'Alarm Data' and 'Associate Tag Name'. The 'Alarm Data' section has a table with columns for priority and notification options. The 'Associate Tag Name' section has a table with columns for tag name and notification options.

Priority	Log Only	Send Email	Send SMS	Play Voice	Media File
HH Priority 2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HH Alarm Limit 100					
High Priority 3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
High Alarm Limit 90					
Low Priority 3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Low Alarm Limit 40					
LL Priority 0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LL Alarm Limit 10					

Figure 6: Setting tag alarm

◆ Alarm Management System (All options must be setting even it don't need.)

In WebAccess alarm management system:

The screenshot shows the top navigation bar of the Advantech WebAccess Project Manager. The 'Alarm Management System' menu item is highlighted in red.

Figure 7: Alarm Management System

Go to the website about setting project node in WebAccess project manager, and click the “AlarmManagementSystem”.

The screenshot shows the 'AlarmManagementSystem' menu item highlighted in the top navigation bar. Below the menu bar, there is a section for 'Node Properties' and a table for 'Node Information'.

Node Name	Node Description	SCADA Node IP Address	Primary TCP Port	Secondary TCP Port	Node Timeout	Remote Access Code	Outgoing Email (SMTP) Server	Email Port	Use SSL/TLS
node		WA-ENG	4502	14502	0		WA-ENG	0	No

Figure 8: WebAccess project manager to Alarm Management System

1. Select "Holiday" and fill "Group Name" then save it.

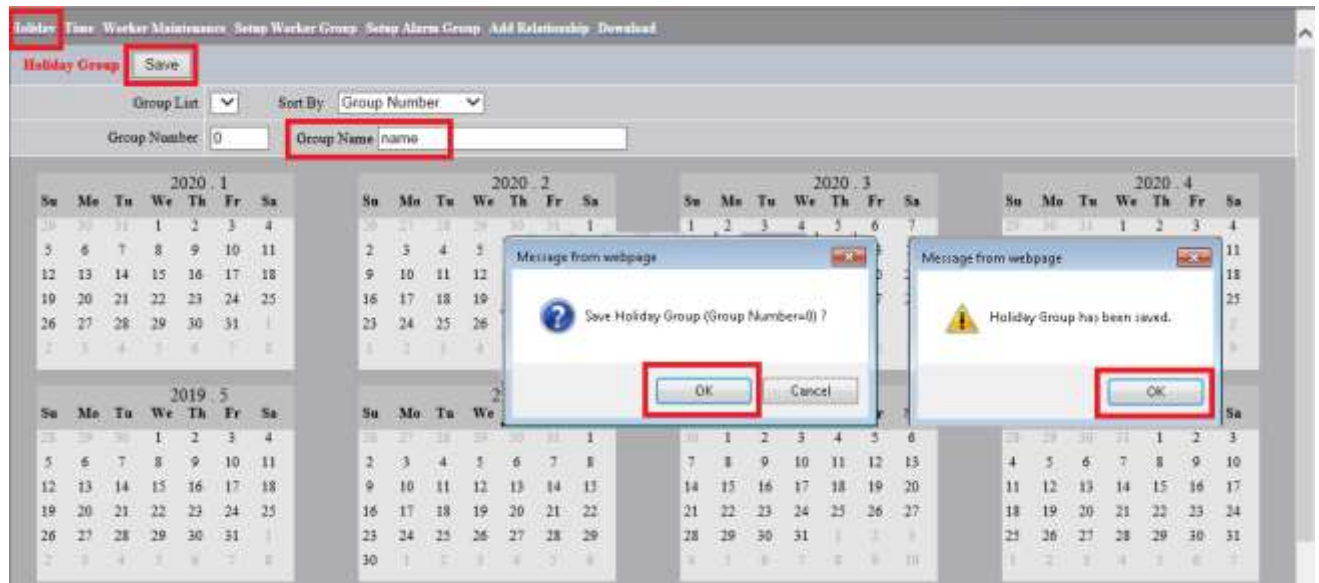


Figure 9: Alarm Management System – Holiday setting

2. Select "Time", fill "Group Name" and choose "Working Start Time" & "Work Hours" then save it.

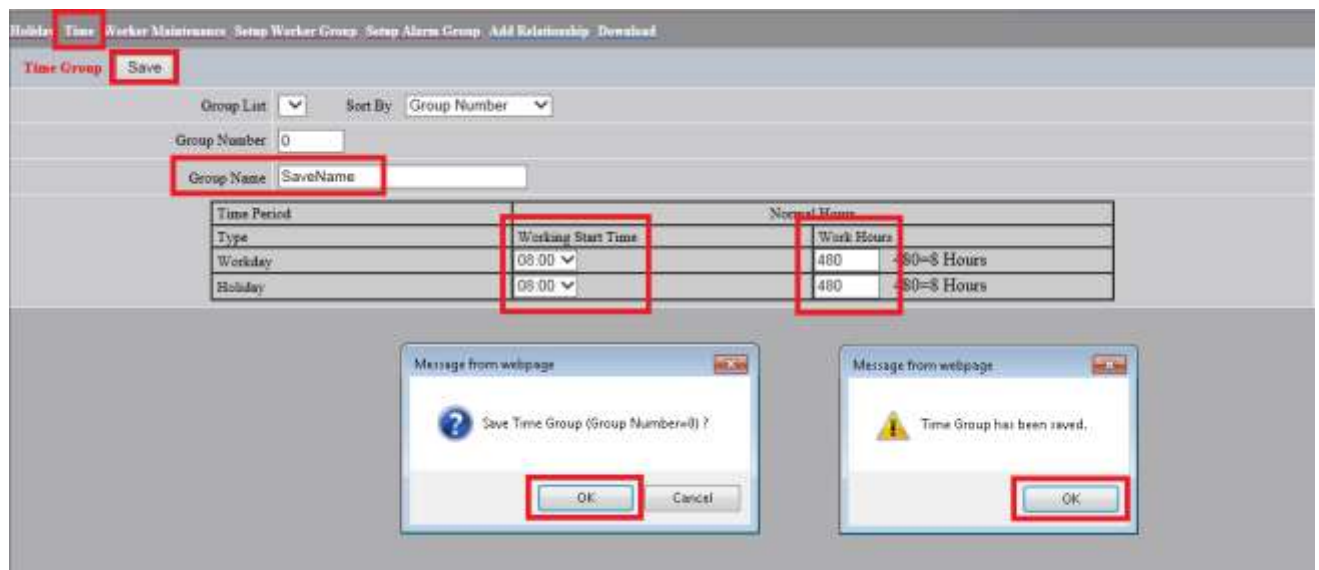


Figure 10: Alarm Management System – Time setting

3. Select "Worker Maintenance" and "Add Worker".

Fill "Number", "Name" and "generate token" what is create in the Line Notify then submit it.

Holder: Time **Worker Maintenance** Setup Worker Group Setup Alarm Group Add Relationship Download

Node: test + node

Alarm Group No	Description	Update	Delete
1		Update	Delete
2		Update	Delete
9999		Update	Delete

Back **Add Worker**

Node: test + node

Number	Name	Update	Delete
1	1	Update	Delete

Worker List

Add Worker [Cancel] Submit

Number: Number

Name: name

Phone Number

Email

Priority: 1

App Notification: ☐ Yes ☒ No Admin/Project User: admin

Line: ☒ Yes ☐ No Token

WeChat: ☐ Yes ☒ No

Company ID

Application ID

Application Secret

User ID

IFTTT: ☐ Yes ☒ No

Figure 11: Alarm Management System – Worker Maintenance setting

4. Select “Setup Worker Group” and “Add Worker Group”.

Fill “Group Name”, select “Holiday Group” & “Time Group” and use “Worker List” to fill “worker X” then submit it.

Holder: Time Worker Maintenance **Setup Worker Group** Setup Alarm Group Add Relationship Download

Node: test + node

Alarm Group No	Description	Update	Delete
1		Update	Delete
2		Update	Delete
3		Update	Delete
9999		Update	Delete

Back **Add Worker Group**

Node: test + node

Group No	Group Name	Update	Delete
1	g1	Update	Delete
2	GroupName	Update	Delete

Create Worker Group [Cancel] [Submit]

Group No: 2

Group Name: GroupName

Holiday Group: 00 - name

Time Group: 0000 - SaveName

Worker List: Worker List

Worker 1: 1

Worker 2:

Worker 3:

Worker 4:

Worker 5:

Worker 6:

Worker 7:

Worker 8:

Worker 9:

Worker 10:

Worker 11:

Worker 12:

Worker 13:

Worker 14:

Worker 15:

Worker 16:

Worker 17:

Worker 18:

Worker 19:

Worker 20:

Worker 21:

Worker 22:

Figure 12: Alarm Management System – Setup Worker Group setting

5. Select "Setup Alarm Group" and use "Tag List" to fill "Tag Name X" then submit it.

Node : test - node

Alarm Group No	Description	Update	Delete
1		Update	Delete
2		Update	Delete
3		Update	Delete
9999		Update	Delete

Create Alarm Group [Cancel] [Submit]

Group Number: 3

Description:

Tag Name 1: ConDis-01

Tag Name 2:

Tag Name 3:

Tag Name 4:

Tag Name 5:

Tag Name 6:

Tag List: Tag List

Figure 13: Alarm Management System – Setup Alarm Group setting

6. Select "Add Relationship" and "Add Relationship".

Choose "Alarm Group" and "Worker Group" then submit it.

The screenshot shows the 'Add Relationship' tab in the Alarm Management System. At the top, there are navigation links: 'Home', 'Time', 'Worker Maintenance', 'Setup Worker Group', 'Setup Alarm Group', 'Add Relationship', and 'Download'. Below this, there's a 'Node' dropdown set to 'test' and a 'mode' dropdown set to 'mode'. A table lists Alarm Groups with columns: 'Alarm Group No', 'Description', 'Update', and 'Delete'. The table contains four rows with IDs 1, 2, 3, and 9999. Below the table, there's a 'Back' button and an 'Add Relationship' button. The 'Add Relationship' form has two dropdown menus: 'Alarm Group' (set to '03') and 'Worker Group' (set to '0002 - GroupName'). There are 'Cancel' and 'Submit' buttons at the bottom of the form.

Figure 14: Alarm Management System – Add Relationship setting

- ◆ **WebAccess/SCADA node Setting (Open the features about alarm to mobile phone by project.)**
“Alarm To Mobile Phone By Project” has to activate.

The screenshot shows the 'Advantech WebAccess Project Manager' interface. On the left, there's a 'Project/Node' tree with a 'Device Driver' list including A101, ABMLOX, ABPLC1, ABPLC2P, ABPLC3, ABPLC4, AcoEAM1, ADAM2K, ADAM4K, ADAM550, ADAM5K, ADAM5KAC, ADAM5KE, ADAM6K, ADAM80, AdvData1, AdvData2, AdvData3, AdvData4, AdvData5, AdvData6, AdvData7, AdvData8, AdvData9, AdvData10, AdvData11, AdvData12, AdvData13, AdvData14, AdvData15, AdvData16, AdvData17, AdvData18, AdvData19, AdvData20, AdvData21, AdvData22, AdvData23, AdvData24, AdvData25, AdvData26, AdvData27, AdvData28, AdvData29, AdvData30, AdvData31, AdvData32, AdvData33, AdvData34, AdvData35, AdvData36, AdvData37, AdvData38, AdvData39, AdvData40, AdvData41, AdvData42, AdvData43, AdvData44, AdvData45, AdvData46, AdvData47, AdvData48, AdvData49, AdvData50, AdvData51, AdvData52, AdvData53, AdvData54, AdvData55, AdvData56, AdvData57, AdvData58, AdvData59, AdvData60, AdvData61, AdvData62, AdvData63, AdvData64, AdvData65, AdvData66, AdvData67, AdvData68, AdvData69, AdvData70, AdvData71, AdvData72, AdvData73, AdvData74, AdvData75, AdvData76, AdvData77, AdvData78, AdvData79, AdvData80, AdvData81, AdvData82, AdvData83, AdvData84, AdvData85, AdvData86, AdvData87, AdvData88, AdvData89, AdvData90, AdvData91, AdvData92, AdvData93, AdvData94, AdvData95, AdvData96, AdvData97, AdvData98, AdvData99, AdvData100. The main area shows various settings for the selected project. The 'Alarm To Mobile Phone By Project' setting is highlighted with a red box, showing a dropdown menu with 'Yes' and 'No' options. Other settings include 'Alarm Email Co', 'Reply Alarm Email To Ack', 'Global Script Via Email', 'Global Script Security Code', 'Re-type Global Script Security Code', 'Incoming Email (POP3) Server', 'Email Port', 'Use SSL/TLS', 'Email Account Name', 'Email Password', 'Re-type Email Password', 'Check Email Every', 'Alarm Voice', 'Alarm Log', 'Minimal Alarm Log Priority', 'Action Log', 'Send Alarm To Mobile Phone', 'Data Log To ODBC', 'Use RTDB For Data Log', 'Disable All Second Data Log', and 'Data Log Folder'.

Figure 15: Alarm To Mobile Phone By Project

If needed functions what are “SMS When Return To Normal” and “SMS When Ack Alarm” then activate it.

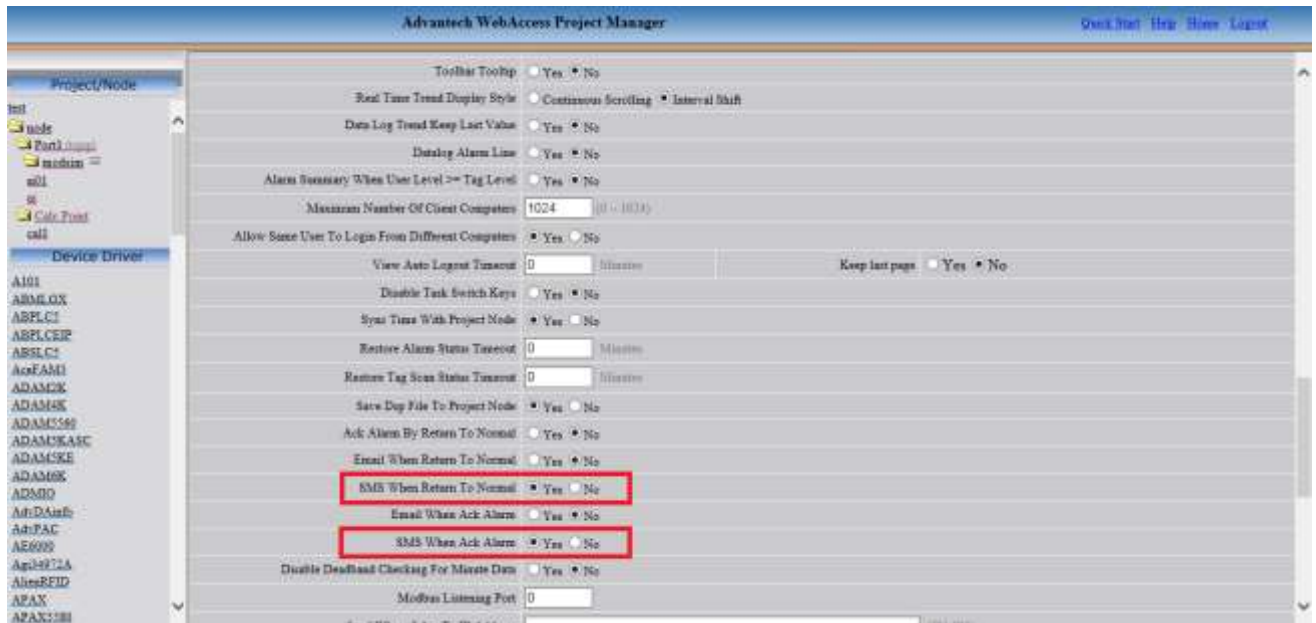


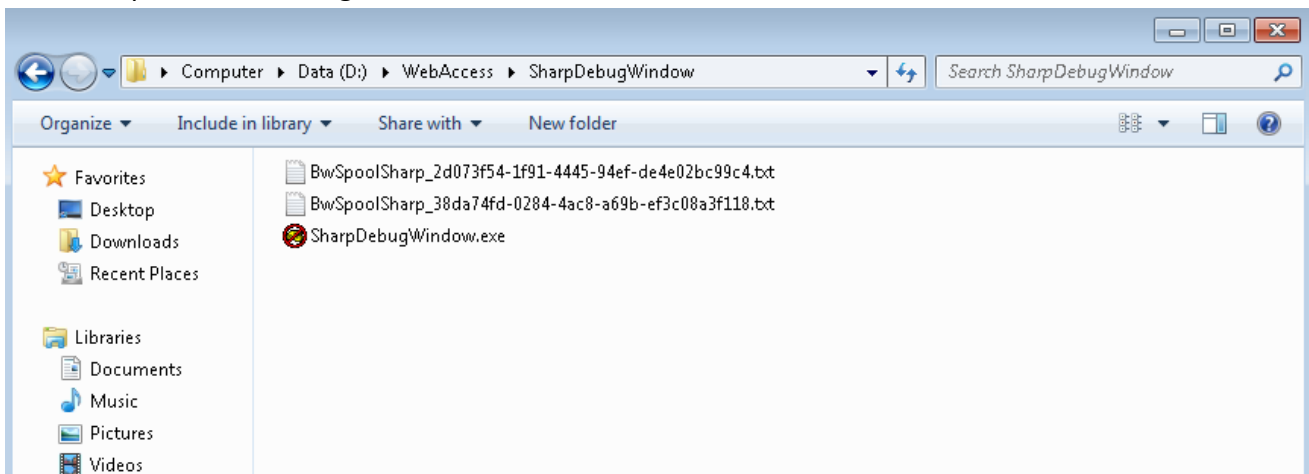
Figure 16: Setting tag alarm

Finally, please download the project and SCADA node then restart the WebAccess kernel. And you can get the alarm message from the line notify.

✂ **Important note:** If you want to send alarm message to line group, you should “**add the Line Notify to this line group**”

3. Debug tool using

If you can't get the line notify, please use the debug tool “**SharpDebugwindow.exe**” to print the log. The log file name will be like “**BwSpoolSharp_2d073f54-1f91-4445-94ef-de4e02bc99c4.txt**”, also it is on the same place with debug tool.



✂ **Download “SharpDebugwindow.exe” :**

http://downloadt.advantech.com/download/downloads.aspx?File_Id=1-1Q77EFF

■ **Reference:**