

# X-Force Alarm Viewer

To view data from system, user can use X-Force Alarm Viewer application. X-Force Alarm Viewer Application provides window creation functionality for different types/condition of alarms. This Application provides feature in which application will play alarm line on some configured alarms.

## Pre-Requisite

Before starting configuration of X-Alarm Viewer, firstly we need to do major configuration.

- 1) Give Every One Rights to the folder where X-Alarm Viewer application is installed. if user does not give sufficient privilege to the directory then application will exit automatically.
- 2) User have to Keep License file Named "ssmxforce.lic" in the root folder where application is installed. if there is not license file in the root folder or license file is not valid or expired application should exit automatically.
- 3) If any configuration is saved previously then application should load that configuration by default.

## Sound Configuration

User can do new

sound configuration from configuration tab->Select Sound option

In Sound Configuration popup right click on Sound button(from left Panel) and select "Add New Window" option

WAV Enable	Wave FileN...	TTSEnable	TTSSstart	TTSEnd	TTSSample
1	E:\Developer\...	0	0	0	

## Live View

### Window Creation

User can configure multiple windows for different channels and select date time stamp and message pointer with each row. If window should be displayed in alarm web then it has to be activated within application. User can select variation for background color, max rows, etc.

User can create alarm window, which will display only specific type of alarms. For the same user has to configure window with some specific condition.

User can create new window from configuration tab->Select window option

In Window Configuration popup right click on window button(from left Panel) and select "Add New Window" option

The screenshot shows the 'Window Configuration' dialog box with the 'Add New Window' tab selected. The left panel shows 'Windows' with 'Default' and 'Add New Window' buttons. The main area contains fields for 'Window Name', 'Window Title', 'Channel Name', 'Max Rows Show', and 'Background Color'. There are checkboxes for 'Displayed', 'Show Only Non-Configured Alarms', and 'Display in Web'. Below these is a 'Field Option' tab with 'Selects Fields to Display' section containing 'Message Pointer' and 'Date and Timestamp' checkboxes. At the bottom are 'Save', 'Cancel', and 'Close' buttons.

User can do window configuration as per your requirement and click on Save. It will ask you to Restart application, click on Yes.

The screenshot shows the 'Window Configuration' dialog box with the 'Field Option' tab selected. The left panel shows 'Windows' with 'Default' and 'Add New Window' buttons. The main area contains fields for 'Window Name', 'Window Title', 'Channel Name', 'Max Rows Show', and 'Background Color'. There are checkboxes for 'Displayed', 'Show Only Non-Configured Alarms', and 'Display in Web'. Below these is a 'Field Option' tab with 'Selects Fields to Display' section containing 'Message Pointer' and 'Date and Timestamp' checkboxes. At the bottom are 'Save', 'Cancel', and 'Close' buttons.

**Window Name:** Enter window name

**Window Title:** Title for new window

**Background Colour:** Select color for new window

## Display in web

**Filter Parameter:** Insert filter using editor

5 Force alarm view [alarm]

System | Switch To | Configuration | Window | Help

### First Window

30-Dec-2017 23:59:47.200	UNACK_BTN	0610_DCS221.PY400011A.RAD.0	RAD	0	0	0			
30-Dec-2017 23:59:50.200	UNACK_ARM	0610_DCS221.PY400011A.RAD.0	RAD	0	0	0			
30-Dec-2017 23:59:50.200	UNACK_ARM	0610_DCS221.PY400011A.RAD.0	RAD	0	0	0	LOX PROO LOK C/L	0-040000-103-A11 03231C CH2 RAD	
30-Dec-2017 23:59:50.200	UNACK_BTN	0610_DCS216.PIC400017.HDEV	HDEV	27.006	26.999	0	PIC400017	LOW DEVIATION	
30-Dec-2017 23:59:51.200	UNACK_ARM	0610_DCS216.PIC400017.HDEV	HDEV	27.011	27.010	0	PIC400017	HIGH DEVIATION	
30-Dec-2017 23:59:51.200	UNACK_BTN	0610_DCS221.PY400011A.RAD.0	RAD	0	0	0			
30-Dec-2017 23:59:51.200	UNACK_BTN	0610_DCS221.PY400011A.RAD.0	RAD	0	0	0	LOX PROO LOK C/L	0-040000-103-A11 03231C CH2 RAD	
30-Dec-2017 23:59:51.200	UNACK_BTN	0610_DCS216.PIC400018.LDEV	LDEV	2.432 00	2.432 82	0	ORD ARGON PROO ORD ARGON C/L	LOW DEVIATION	
30-Dec-2017 23:59:51.200	UNACK_BTN	0610_DCS216.PIC400017.HDEV	HDEV	27.006	27.010	0	PIC400017	HIGH DEVIATION	
30-Dec-2017 23:59:56.200	UNACK_ARM	0610_DCS221.PY400011A.RAD.0	RAD	0	0	0			
30-Dec-2017 23:59:56.200	UNACK_ARM	0610_DCS221.PY400011A.RAD.0	RAD	0	0	0	LOX PROO LOK C/L	0-040000-103-A11 03231C CH2 RAD	
30-Dec-2017 23:59:56.200	UNACK_ARM	0610_DCS216.PIC400017.HDEV	HDEV	27.011	27.010	0	PIC400017	HIGH DEVIATION	
30-Dec-2017 23:59:57.500	UNACK_ARM	0610_DCS223.PIC400009.LDEV	LDEV	4.487 91	4.490 00	0	IA PROO IA C/L	LOW DEVIATION	
30-Dec-2017 23:59:58.500	UNACK_BTN	0610_DCS221.PY400011A.RAD.0	RAD	0	0	0	LOX PROO LOK C/L	0-040000-103-A11 03231C CH2 RAD	
30-Dec-2017 23:59:58.500	UNACK_BTN	0610_DCS216.PIC400017.HDEV	HDEV	27.006	27.010	0	PIC400017	HIGH DEVIATION	
30-Dec-2017 23:59:58.500	UNACK_BTN	0610_DCS221.PY400011A.RAD.0	RAD	0	0	0			

### Default Window

17-Mar-2018 23:59:57.400	UNACK_ARM	0600_SCR103.PIC100017.HDEV	HDEV	126.60	126.60	0			3
18-Mar-2018 07:53:57.800	UNACK_ARM	0600_SCR106.PIC100007.RAD.0	RAD	0	0	0			3
18-Mar-2018 14:12:06.000	UNACK_ARM	0600_SCR103.PIC100017.LDEV	LDEV	0	0	0		124.69	3
18-Mar-2018 14:12:06.300	UNACK_ARM	0600_SCR103.PIC100017.RAD.0	RAD	0	0	0		0	3
18-Mar-2018 14:12:06.300	UNACK_ARM	0600_SCR106.PIC100007.SOABR	SOABR	10.00	10.00	0		10.00	3
18-Mar-2018 19:56:59.900	UNACK_ARM	0610_SCR106.PIC100009.HIABR	HIABR	9.00	9.00	0		9.00	3
18-Mar-2018 19:56:59.900	UNACK_ARM	0610_SCR106.PIC100013.HIABR	HIABR	9.00	9.00	0		9.00	3
18-Mar-2018 23:23:56.600	UNACK_ARM	0600_SCR106.PIC100003U.SOABR	SOABR	10.00	10.00	0		10.00	3
19-Mar-2018 05:47:15.000	UNACK_ARM	0600_SCR103.PIC100006.SOABR	SOABR	42.00	42.00	0		42.00	3
19-Mar-2018 09:54:48.900	UNACK_ARM	0600_SCR107.PIC100009.RAD.0	RAD	0	0	0		0	3
19-Mar-2018 11:58:43.200	UNACK_ARM	0610_SCR105.PIC100704.RAD.0	RAD	0	0	0		0	3
19-Mar-2018 17:33:28.300	UNACK_ARM	0600_SCR106.PIC100011.RAD.0	RAD	0	0	0		0	3
19-Mar-2018 17:41:41.500	UNACK_ARM	0600_SCR103.PIC100006.RAD.0	RAD	0	0	0		0	3
19-Mar-2018 17:41:27.500	UNACK_ARM	0600_SCR103.PIC100006.SOABR	SOABR	-87.14	-87.14	0		-7.79	3
19-Mar-2018 20:43:41.500	UNACK_ARM	0600_SCR103.PIC100009.HIABR	HIABR	0	0	0		0	3

192.168.12.24 | 5\_Force | Application started successfully

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It will open DB Configuration Window and open alarm client application



From this zoom window, you can analyze the data more effortlessly. Zoom window provides below facility to analyze alarms / events:

1. Search
2. Export
  - a. Text
  - b. HTML
  - c. RTF
  - d. Excel
3. Mail
4. Print
5. Time Difference

## Search

By selecting Search option from zoom window, you will get below screen:

**First Window**

Note: Type in the Search Parameter and click on Search Button.

☐ Enable Date / Time Range    04-Jun-2018 10:06:00    To    05-Jun-2018 10:06:00

None    Equal to       Add

Operator	Equal	Condition
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☐ Search From Window    Search    Cancel

Here you define search criteria as per requirement. Also you can specify multiple search criteria by selecting AND, OR and NONE from the dropdown. For the specific time interval data, you can check the **Enable Date/Time Range** checkbox and can give time interval. Add search criteria and click on Search button as below:

**Note:** Type in the Search Parameter and click on Search Button.

☐ Enable Date / Time Range    04-Jun-2018 10:06:00    To    05-Jun-2018 10:06:00

Operator	Equal	Condition
None		UNACK_ALM

☐ Search From Window    **Search**    Cancel

You will get filtered data by clicking on Search button as below:

Time	Alarm Name	Device ID	State	Description
30-Dec-2017 23:59:59.500	UNACK_ALM	G360_ECARCNT.PDALL000191A.STATE.0	STATE	0 0 3 TR-01 COMB AIR PDI TO RF ANNULS LOW LO
30-Dec-2017 23:59:59.500	UNACK_ALM	G360_ECARCNT.PDALL000191A.STATE.0	STATE	0 0 2 TR-01 COMB AIR TO RF ANNULS 2003 LOW L
30-Dec-2017 23:59:59.100	UNACK_ALM	G355_DCS205.P1146701B_OV.STATE.0	STATE	0 0 1 VENT GAS FRM FEED TNU TO C001A/B DEVIATIO

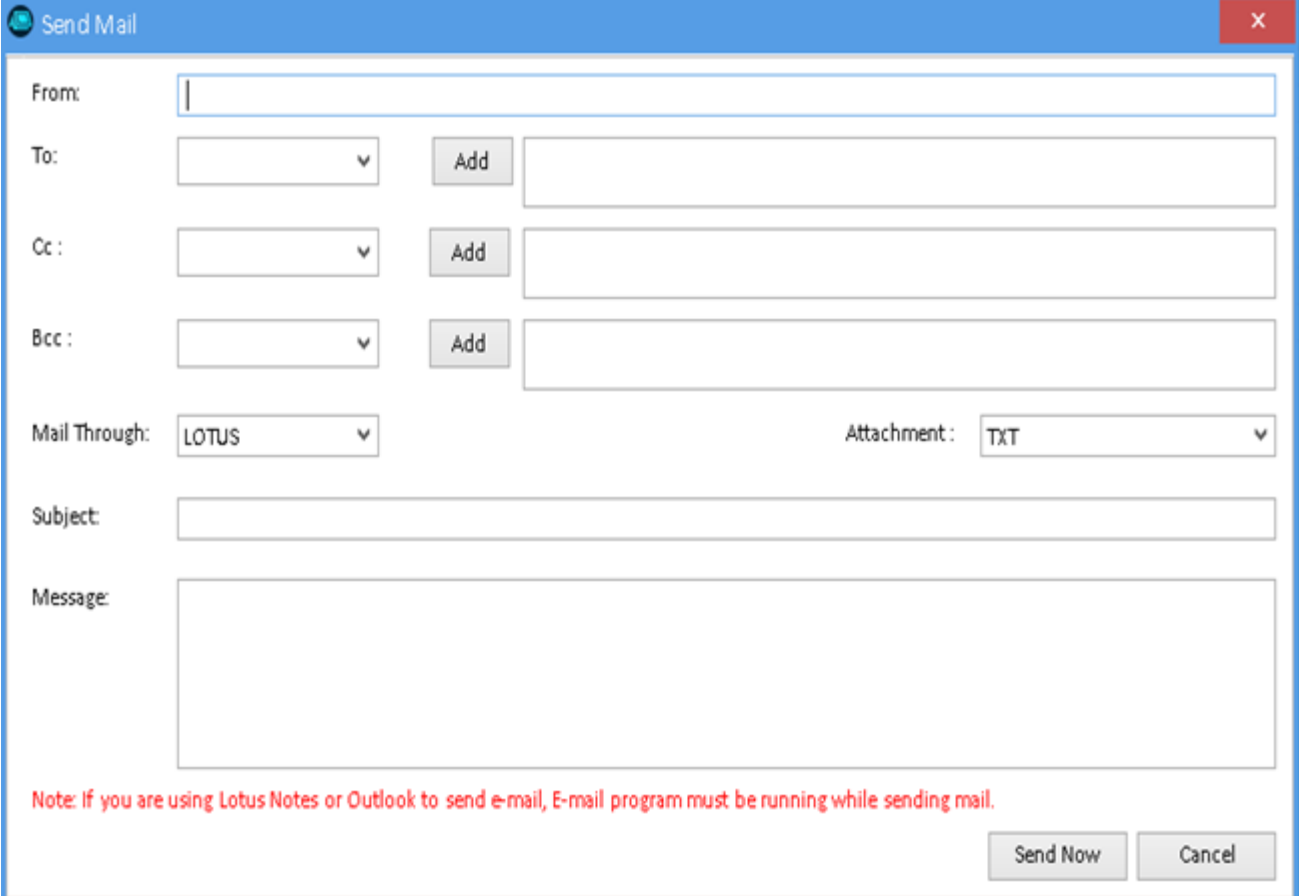
Channel:ALL    Update Mode

## Export

In zoom window, you have facility to export data to Text, HTML, RTF and Excel.

## Mail

You can mail alarms by Mail functionality. Do the proper configuration that whom to send report and select which type of report you want to send like TXT, DOC, HTML and XLS.

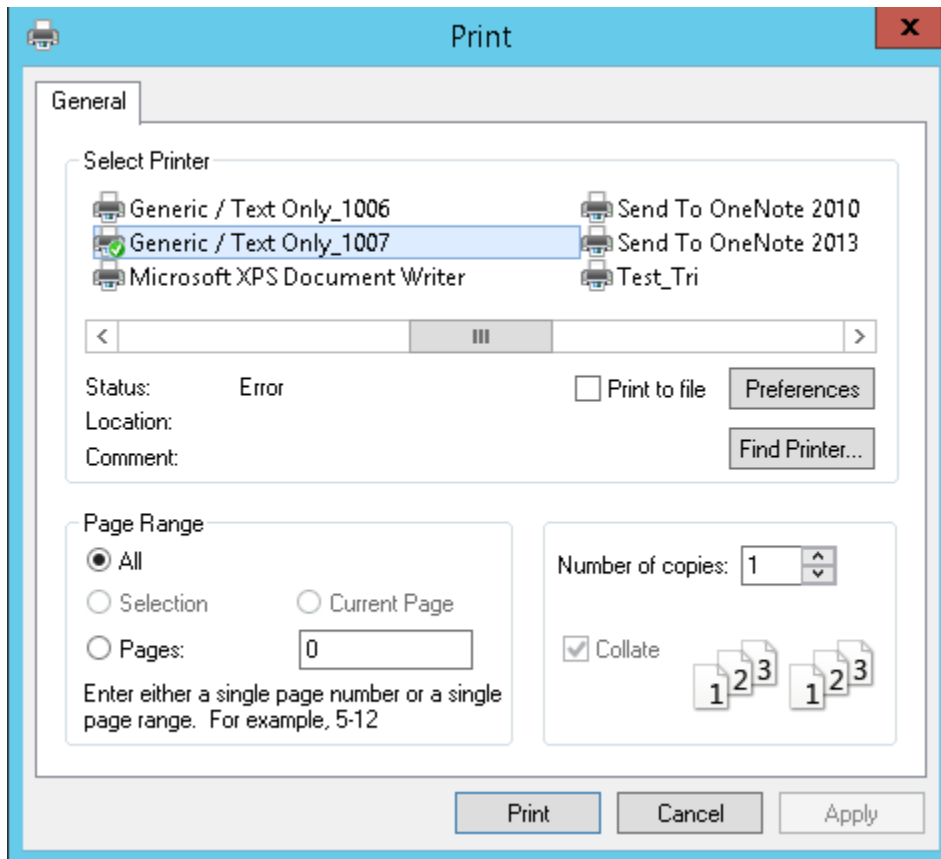


The image shows a 'Send Mail' dialog box with a blue title bar and a red close button. The dialog contains the following fields and controls:

- From:** A text input field.
- To:** A dropdown menu, an 'Add' button, and a text input field.
- Cc:** A dropdown menu, an 'Add' button, and a text input field.
- Bcc:** A dropdown menu, an 'Add' button, and a text input field.
- Mail Through:** A dropdown menu with 'LOTUS' selected.
- Attachment:** A dropdown menu with 'TXT' selected.
- Subject:** A text input field.
- Message:** A large text area for the email body.
- Note:** A red text message at the bottom: 'Note: If you are using Lotus Notes or Outlook to send e-mail, E-mail program must be running while sending mail.'
- Buttons:** 'Send Now' and 'Cancel' buttons at the bottom right.

## Print

You can print the alarms on the printer by doing printer configuration.



## Examine Mode / Update Mode

- Examine mode: Data will not be updated in Zoom window so user can do the detailed analysis of the data.
- Update mode: data will be continually update in zoom window.
- At time zoom window can be in either Examine mode or update mode.

## Time Difference

With this option we can find out time difference between two alarms.

- Select any row of alarm by right clicking on it and clicking Select First Row.

First Window											
Search	Text	HTML	RTF	Excel	Mail	Print	Examine Mode	Time Difference	Exit		
DCS_PIB101_CH3	32306352	30-Dec-2017 23:59:59.500	UNACK RTN	G610 DCS221.FA00011.BAD.0	BAD	0	0	3	LOX PROD LOX O/L	II-GAS600-103-M11 0323	
DCS_PIB101_CH3	32306351	30-Dec-2017 23:59:59.500	UNACK RTN	G610 DCS216.FIC400017.HIDEV	HIDEV	27.005	27.010	3	FIC400017	HIGH DEVIATION	
DCS_PIB101_CH3	32306350	30-Dec-2017 23:59:59.500	Select First Row	221.FA00011A.BAD.0	BAD	0	0	3			
DCS_PIB101_CH3	32306349	30-Dec-2017 23:59:57.500	Cancel Selection	221.FIC400009.LODEV	LODEV	4,487.91	4,480.00	3	IA PROD IA O/L	LOW DEVIATION	
DCS_PIB101_CH3	32306348	30-Dec-2017 23:59:56.300		221.FA00011A.BAD.0	BAD	0	0	3			
DCS_PIB101_CH3	32306347	30-Dec-2017 23:59:56.200	UNACK RTN	G610 DCS221.FA00011.BAD.0	BAD	0	0	3	LOX PROD LOX O/L	II-GAS600-103-M11 0323	

Select another row of alarm by right clicking on it and clicking Select Last Row.



**First Window**

Search | Text | HTML | RTF | Excel | Mail | Print | Examine Mode | Time Difference | Exit

DCS_PIB101_CH3	32386352	30-Dec-2017 23:59:53.500	UNACK_RTN	G610_DCS221.FY400011A.BAD.0	BAD	0	0	3	LOX PROD LOX OVL	JJ-GAG600-1
DCS_PIB101_CH3	32386351	30-Dec-2017 23:59:53.500	UNACK_RTN	G610_DCS216.FIC400017.HIDEV	HIDEV	27.005	27.010	3	FIC400017	HIGH DEVIAT
DCS_PIB101_CH3	32386350	30-Dec-2017 23:59:53.500	UNACK_RTN	G610_DCS221.FY400011A.BAD.0	BAD	0	0	3		
DCS_PIB101_CH3	32386349	30-Dec-2017 23:59:57.500	UNACK_ALM	G610_DCS233.FIC400009.LODEV	LODEV	4.487.91	4.490.00	3	IA PROD IA OVL	LOW DE
DCS_PIB101_CH3	32386348	30-Dec-2017 23:59:56.200	UNACK_ALM	G610_DCS221.FY400011A.BAD.0	BAD	0	0	3		
DCS_PIB101_CH3	32386347	30-Dec-2017 23:59:56.200	UNACK_ALM	G610_DCS221.FY400011A.BAD.0	BAD	0	0	3	LOX PROD LOX OVL	JJ-GAG600-1
DCS_PIB101_CH3	32386346	30-Dec-2017 23:59:56.200	UNACK_ALM	G610_DCS216.FIC400017.HIDEV	HIDEV	27.015	27.010	3	FIC400017	HIGH DEVIAT
DCS_PIB101_CH3	32386345	30-Dec-2017 23:59:53.500	UNACK_RTN	G610_DCS216.FIC400017.HIDEV	HIDEV	27.005	27.010	3	FIC400017	HIGH DEVIAT
DCS_PIB101_CH3	32386344	30-Dec-2017 23:59:53.500	UNACK_RTN	G610_DCS221.FY400011A.BAD.0	BAD	0	0	3		
DCS_PIB101_CH3	32386343	30-Dec-2017 23:59:53.500	UNACK_RTN	G610_DCS221.FY400011A.BAD.0	BAD	0	0	3	LOX PROD LOX OVL	JJ-GAG600-1

Select Last Row  
Cancel Selection

Click on Time Difference button.

**Time Difference Details**

Time Difference Details :

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First Line Details :

30-Dec-2017 23:59:53 ::30-Dec-2017 23:59:53.200 UNACK\_RTN G610\_DCS221.FY400011A.BAD.0

Second Line Details :

30-Dec-2017 23:59:59 ::30-Dec-2017 23:59:59.500 UNACK\_RTN G610\_DCS216.FIC400017.HIDEV

Time Difference : 6 Seconds

## Non Configured Alarm

Non-Configured Alarms feature is used to analyze non – configured alarms. You can see it from System menu.

System -> Non Configured Alarms

User can get the data based on date range selection.

**Non Configured Alarms**

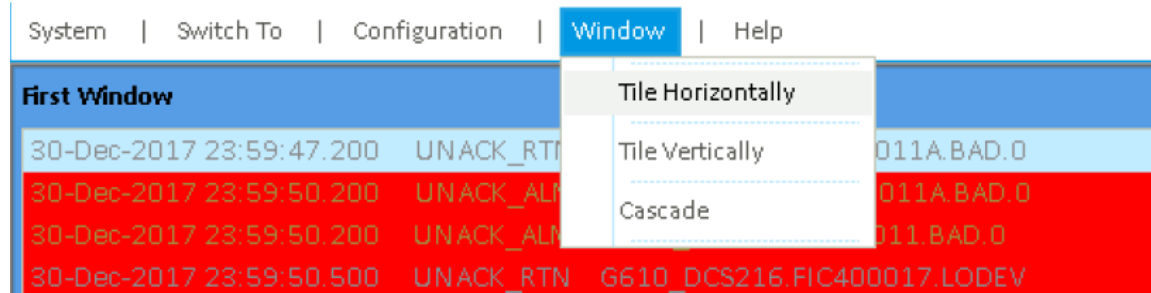
Start Date : 30-Dec-2017 00:00:00 End Date : 31-Dec-2017 00:00:00 Load

ChId	RecvTime							
7	30-12-2017 00:14:23	30-Dec-2017 00:11:09.053	\$InactivityWarning	SYST	OFF	ON	999	Arche
7	30-12-2017 00:14:23	30-Dec-2017 00:11:10.087	\$InactivityWarning	SYST	ON	OFF	999	Arche
7	30-12-2017 00:16:39	30-Dec-2017 00:13:27.187	\$InactivityWarning	SYST	OFF	ON	999	Arche
7	30-12-2017 00:16:39	30-Dec-2017 00:13:28.157	\$InactivityWarning	SYST	ON	OFF	999	Arche
7	30-12-2017 00:30:26	30-Dec-2017 00:27:13.770	\$InactivityWarning	SYST	OFF	ON	999	Arche
7	30-12-2017 00:30:26	30-Dec-2017 00:27:14.597	\$InactivityWarning	SYST	ON	OFF	999	Arche
7	30-12-2017 00:30:33	30-Dec-2017 00:27:18.177	\$InactivityWarning	SYST	OFF	ON	999	Arche
7	30-12-2017 00:30:33	30-Dec-2017 00:27:19.503	\$InactivityWarning	SYST	ON	OFF	999	Arche
7	30-12-2017 00:30:48	30-Dec-2017 00:27:32.520	\$InactivityWarning	SYST	OFF	ON	999	Arche
7	30-12-2017 00:30:48	30-Dec-2017 00:27:33.547	\$InactivityWarning	SYST	ON	OFF	999	Arche
7	30-12-2017 00:30:48	30-Dec-2017 00:27:36.570	\$InactivityWarning	SYST	OFF	ON	999	Arche
7	30-12-2017 00:30:48	30-Dec-2017 00:27:38.513	\$InactivityWarning	SYST	ON	OFF	999	Arche
7	30-12-2017 01:12:32	30-Dec-2017 01:09:17.993	\$InactivityWarning	SYST	OFF	ON	999	Arche
7	30-12-2017 01:12:32	30-Dec-2017 01:09:18.607	\$InactivityWarning	SYST	ON	OFF	999	Arche
7	30-12-2017 01:13:39	30-Dec-2017 01:10:28.623	\$InactivityWarning	SYST	OFF	ON	999	Arche
7	30-12-2017 01:13:39	30-Dec-2017 01:10:29.577	\$InactivityWarning	SYST	ON	OFF	999	Arche
7	30-12-2017 01:13:39	30-Dec-2017 01:10:30.583	\$InactivityWarning	SYST	OFF	ON	999	Arche
7	30-12-2017 01:13:47	30-Dec-2017 01:10:32.587	\$InactivityWarning	SYST	ON	OFF	999	Arche
7	30-12-2017 01:13:47	30-Dec-2017 01:10:35.567	\$InactivityWarning	SYST	OFF	ON	999	Arche
7	30-12-2017 01:13:47	30-Dec-2017 01:10:36.573	\$InactivityWarning	SYST	ON	OFF	999	Arche

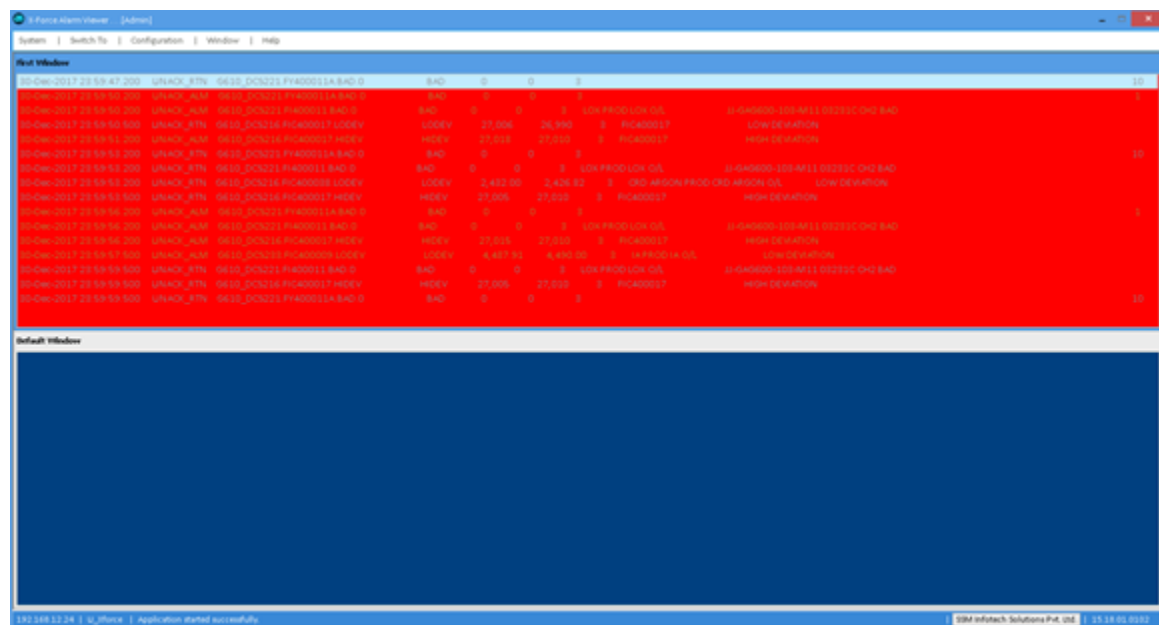
## Window

## 1. Tile Horizontal

To tile configured windows horizontally click on this.

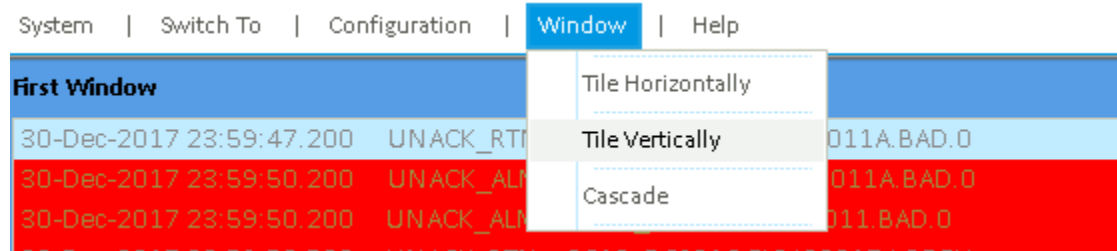


By clicking on Tile Horizontally, you will get below screen as of normal view

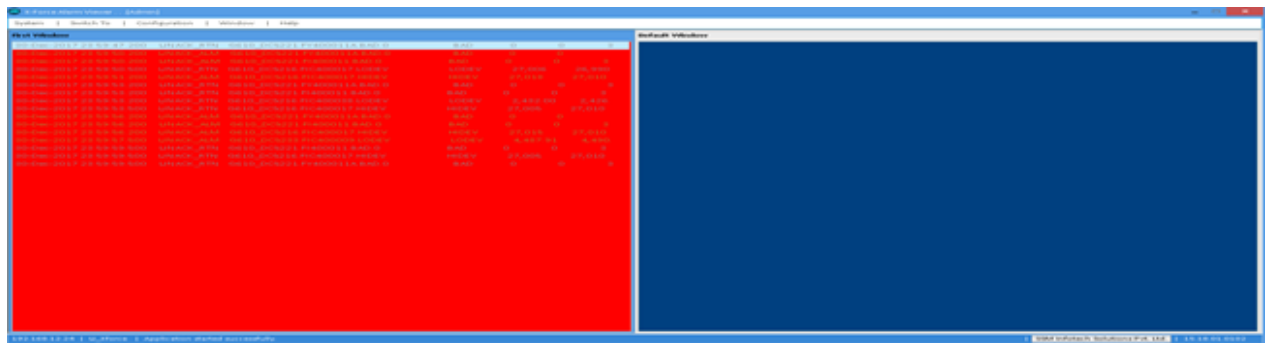


## 2.Tile Vertically

To tile configured windows vertically click on this.

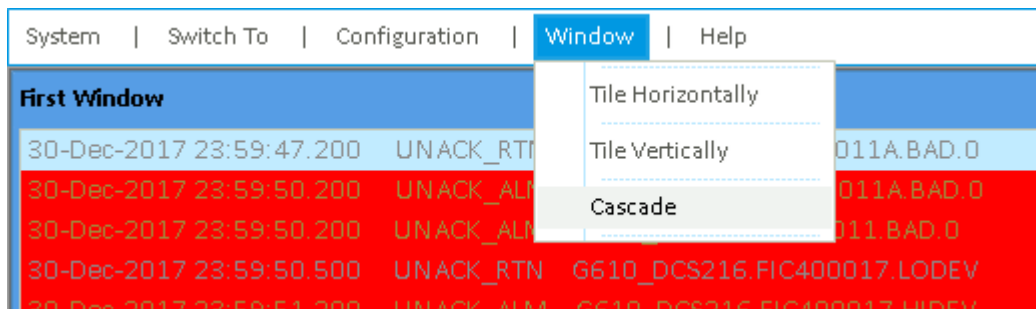


By clicking on Tile Vertically, you get below screen

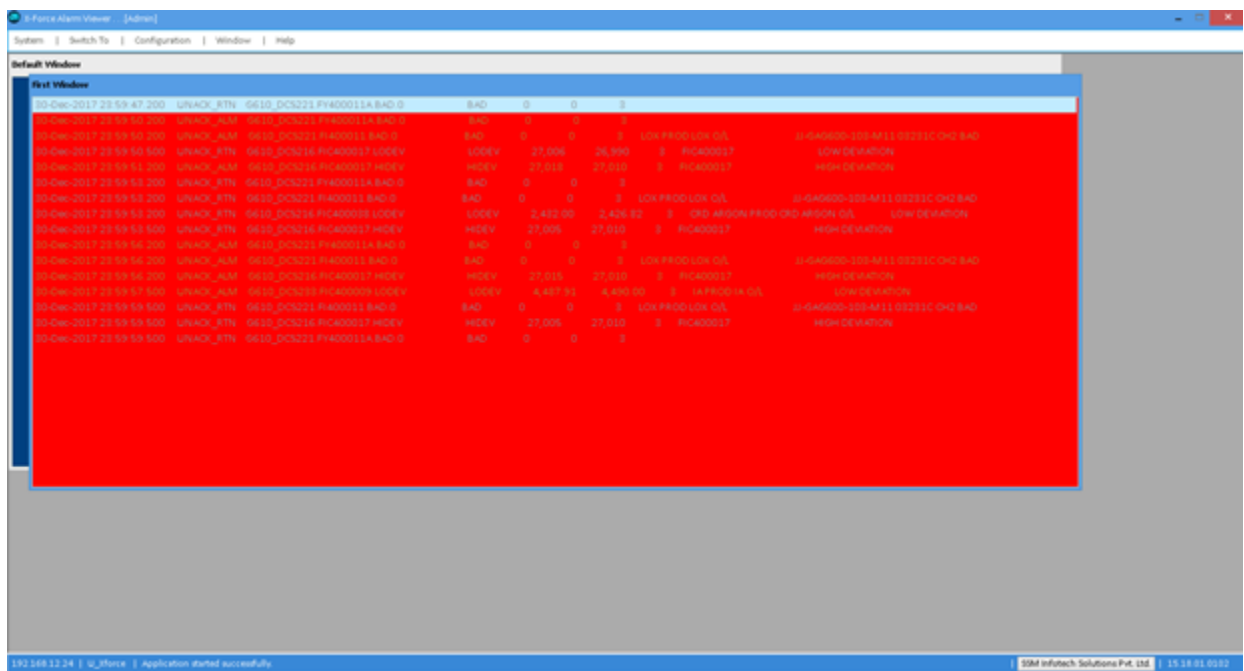


### 3.Cascade

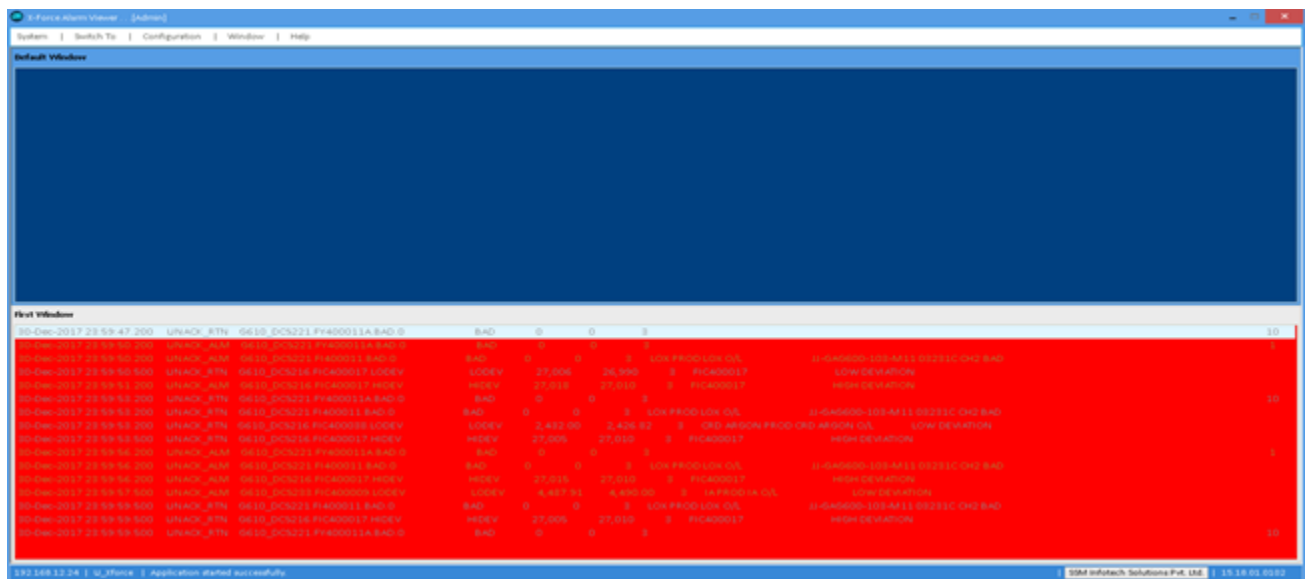
To cascade all the window, click on this.



By clicking on Cascade, you get below screen



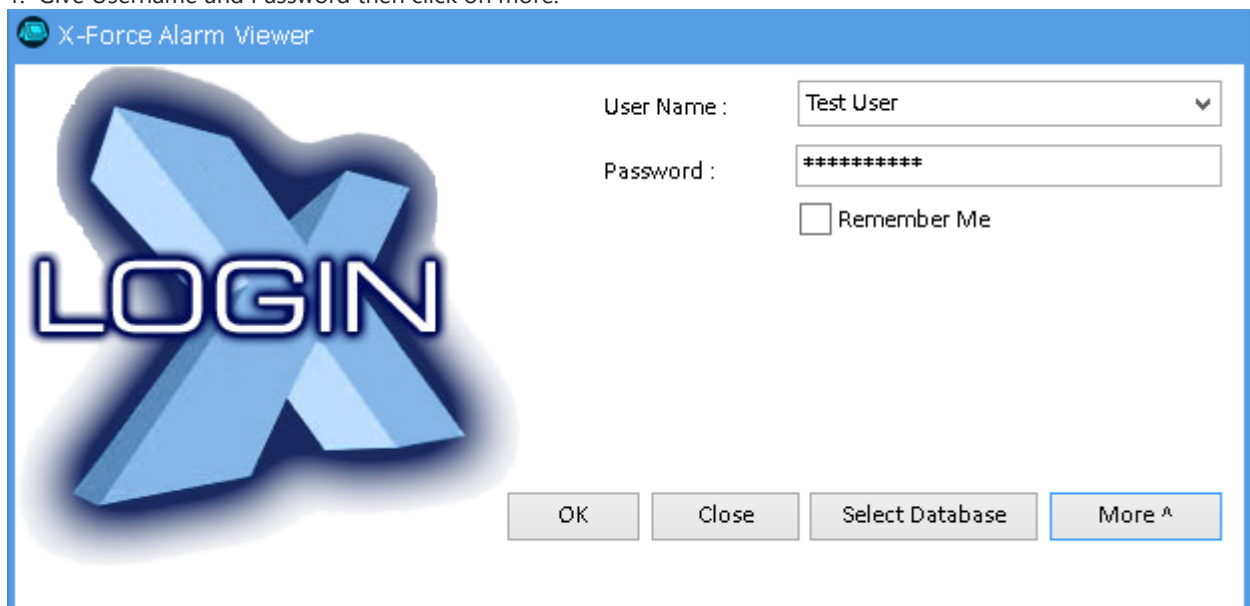
For a particular window to be shown first, click on that window then click on Tile



## User Profile Configuration

You can create profile and can create window from that profile. Follow below steps to create profile.

1. Give Username and Password then click on more.



- 1.

By clicking on More, you will get below screen.



Select Profile that you want to use. You can also create new profile. For that Give name of profile and click on plus (+) sign. By adding new profile, it will add in Profile dropdown. Select profile from Profile dropdown and click on OK.

Only admin can create Profile.

OPR User cannot create any profile or any window, OPR user only view window they cannot configure window.

## Splash Screen

User can find this application in AlarmSuite folder. By running this application user will see a splash screen with progress bar :

**Splash Screen:** A splash screen is a graphical control element consisting of a window containing image, a logo, and the current version of the software.

Splash screen typically used for notify the user that the program is in the process of loading. They provide feedback that a process is underway. Occasionally, progress bar within the splash screen indicates the loading progress. A splash screen disappears when the application's main windows appears.

Splash screen progress bar percentage wise list of application processes are as below:

10% - It is not having any process right now, in future if any feature are added then it will be used for that.

20% - It will check that application having valid license or not, if application not having valid license then application will close with "License file does not exist. Please contact SSM InfoTech Solutions Pvt. Ltd. to get the valid license." Message.

30% -It will if its a demo mode or not

40% - It will create one XML file with name xmlConnectivityFile.xml for database connectivity information. If user has stores this information previously than it will not ask again for connection properties.

50% - It will check application's version. If version is not correct than it will display a dialouge box for wrong version configuration and after click on ok applicdation will exit.

60% - It checks the priority of server application.

90% - It will check If Last Login date is null than it should set currentdate. Lastlogindate must be smaller than current date otherwise it will display error message "License Validity of this application has expired. Kindly contact SSM Infotech for License Renewal." and application will exit

30%,70%,80% - It is not having any process right now, in future if any feature are added then it will be used for that.

Application will start.