

ZoneMinder Filter setup with SMS Server Tools on SME Server 7.2

Following this howto should hopefully have ZoneMinder send an email to admin and sendsms to your mobile number when frames filter is in alarm state.

How does it work? The user sendsms created with smeserver-usersendsms-0.1-1.noarch.rpm has procmail rules to pipe the email to email2sms, which reconfigures the email for SMS Tools to process. (On a good day ☺)

1. Set your email values. Click on 'Options'

ZoneMinder Console - Running - v1.22.3 Load: 0.74 / Disk: 2%

1 Monitor Configured for low bandwidth Options

Id	Name	Function	Source	Events	Hour	Day	Week	Month	Archive	Zones	Order	Mark
1.	kitchen	Modect	/dev/video0 (0)	56	4	56	56	56	0	1	▲▼	☐

Buttons: Refresh, Add New Monitor, Filters, Deletes

2. Click 'Email' tab.
3. All check boxes are 'true' value.
4. Enter email address for 'ZM_EMAIL_ADDRESS' admin@zm_box_domain_name
5. Enter email address for 'ZM_MESSAGE_ADDRESS' sendsms@zm_box_domain_name
6. Enter your SMS mobile number in 'ZM_MESSAGE_SUBJECT' field. 491721234567
7. Don't be tempted to change any other values. ZM is fussy with values in this panel, especially with 'ZM_EMAIL_HOST', ZM_FROM_EMAIL and 'BODY' fields.
8. And click 'Save'. You will be prompted to restart ZM, click 'ok' and ignore the restart prompt. We restart at the end.

System Config Paths Web Images Debug Network **Email** FTP X10 High B/W Medium B/W Low B/W Phone B/W

Name	Description	Value
ZM_OPT_EMAIL	Should ZoneMinder email you details of events that match corresponding filters (?)	<input checked="" type="checkbox"/>
ZM_EMAIL_ADDRESS	The email address to send matching event details to (?)	admin@yoursite
ZM_EMAIL_SUBJECT	The subject of the email used to send matching event details (?)	ZoneMinder: Alarm - %MN%-% Hello, An alarm has been detected on your installation of the ZoneMinder. The details are as follows :-
ZM_OPT_MESSAGE	Should ZoneMinder message you with details of events that match corresponding filters (?)	<input checked="" type="checkbox"/>
ZM_MESSAGE_ADDRESS	The email address to send matching event details to (?)	sendsms@yoursite
ZM_MESSAGE_SUBJECT	The subject of the message used to send matching event details (?)	491721234567 ZM alarm detected. Monitor %MN%, Event Id %EI%, Length %EL%, URL %EPS%
ZM_MESSAGE_BODY	The body of the message used to send matching event details (?)	
ZM_NEW_MAIL_MODULES	Whether to use a newer perl method to send emails (?)	<input checked="" type="checkbox"/>
ZM_EMAIL_HOST	The host address of your SMTP mail server (?)	localhost
ZM_FROM_EMAIL	The email address you wish your event notifications to originate from (?)	zm@localhost
ZM_URL	The URL of your ZoneMinder installation (?)	http://yoursite/zm

Buttons: Save, Cancel

9. Set up a basic filter. Click on 'Filters'

ZoneMinder Console - Running - v1.22.3 Load: 0.41 / Disk: 2%

1 Monitor Configured for low bandwidth Options

Id	Name	Function	Source	Events	Hour	Day	Week	Month	Archive	Zones	Order	Mark
1.	kitchen	Modect	/dev/video0 (0)	56	4	56	56	56	0	1	▲▼	☐

Buttons: Refresh, Add New Monitor, Filters, Deletes

10. Click on 'Show Filter Window'

56 Events - 1 - 2 3 > View All Close

Refresh Show Filter Window Show Timeline

Id	Name	Monitor	Cause	Time	Duration	Frames	Alarm Frames	Total Score	Avg. Score	Max. Score	<input type="checkbox"/>
1	Event-1	kitchen	Signal	09/29 15:06:55	0.00	11	1	100	100	100	<input type="checkbox"/>
2	Event-2	kitchen	Motion	09/29 15:11:08	4.28	75	54	500	9	17	<input type="checkbox"/>
3	Event-3	kitchen	Signal	09/29 15:13:58	0.00	11	1	100	100	100	<input type="checkbox"/>
4	Event-4	kitchen	Motion	09/29 15:16:27	5.03	84	64	579	9	17	<input type="checkbox"/>
5	Event-5	kitchen	Motion	09/29 15:29:07	6.00	82	59	897	15	28	<input type="checkbox"/>

- 11. Select 'Frames' for filter, use 'greater than or equal to' and '1' for options.
- 12. 'Email details' and 'Message details' box are 'true' value.
- 13. Click 'Save'

Use Filter: Choose Filter Save Close

Frames greater than or equal to 1 +

Sort by Date/Time Asc Limit to first results only;

Archive all matches:

Create video for all matches:

Email details of all matches:

Message details of all matches:

Execute command on all matches:

Delete all matches:

Submit Execute Reset

- 14. Enter filter name. Lets name it... 'frames'
- 15. 'Run filter in background' box is 'true' value
- 16. Click 'Save'

Save as: PurgeWhenFull or enter new name: frames

Run filter in background:

Save Cancel

17. Click 'Running'

ZoneMinder Console Running v1.22.3 Load: 0.41 / Disk: 2%

1 Monitor Configured for low bandwidth Options

Id	Name	Function	Source	Events	Hour	Day	Week	Month	Archive	Zones	Order	Mark
1.	kitchen	Modect	/dev/video0 (0)	56	4	56	56	56	0	1	▲▼	<input type="checkbox"/>
<input type="button" value="Refresh"/> <input type="button" value="Add New Monitor"/> <input type="button" value="Filters"/>				56	4	56	56	56	0	1	<input type="button" value="Delete"/>	

18. Select 'Restart' and click 'Apply' to restart ZoneMinder

ZoneMinder - Run State

Restart

New State:

Apply Save Delete Cancel

- 19. That's it...cross fingers. Trip the cameras - wait for the email and SMS <2 mins.
- 20. Negotiate a better deal with your SMS provider ☺