

## How to Configure Email Notifications

<https://campus.barracuda.com/doc/44434147/>

The Barracuda NextGen Firewall X-Series can alert the administrator of important system events by sending notification emails. You can configure a notification email policy for each event, and to limit the number of emails for frequently occurring events, you can define up to three thresholds. Thus, the administrator will receive an email only when the number of events exceeds the threshold set in the timespan. The following events can trigger email notifications:

### Security Events

- **ATD Cloud Status** – State of the connection between the firewall and the Barracuda ATP cloud.
- **ATD malicious activity detected** – A malicious file has been detected by Advanced Threat Protection (ATP).
- **User added to quarantine** – A user has been added to the ATP/ATD quarantine.
- **Duplicate IP Detected** – An IP address living on the system has additionally been detected in the network.
- **IPS Drop Alert** – Traffic matching an IPS Event with the Action set to **Drop** and the Log set to **Alert**.
- **IPS Drop Warning** – Traffic matching an IPS Event with the Action set to **Drop** and the Log set to **Warning**.
- **IPS Drop Notice** – Traffic matching an IPS Event with the Action set to **Drop** and the Log set to **Notice**.
- **IPS Log Alert** – Traffic matching an IPS Event with the Action set to **Log** and the Log set to **Alert**.
- **IPS Log Warning** – Traffic matching an IPS Event with the Action set to **Log** and the Log set to **Warning**.
- **IPS Log Notice** – Traffic matching an IPS Event with the Action set to **Log** and the Log set to **Notice**.

### Operational Events

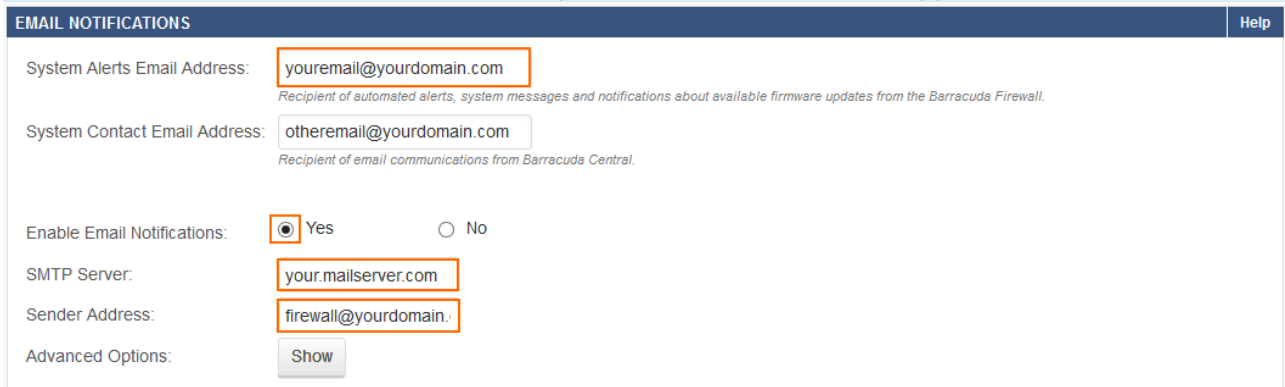
- **Critical Disk Space** – More than 90% of available disk space is in use on at least one partition.  
This event is always triggered during firmware updates. Do not set the Notification policy to **Immediate**.
- **Critical System Load** – System load is extremely high. The X-Series Firewall will reboot if this condition persists.
- **Route Changed, uplink not available** – An uplink has become unreachable due to changes in the routing configuration.
- **HA Partner Unreachable** – The other HA unit in the HA cluster is no longer reachable.
- **HA Failover to this System** – This X-Series Firewall has taken over as the active HA partner.
- **HA Failover to Partner** – The other X-Series Firewall in the HA cluster has taken over as the active HA partner.
- **License expired or invalid** – The system license has expired or is running on invalid hardware.

- **System Reboot** – The X-Series Firewall has rebooted.
- **System Shutdown** – The X-Series Firewall has been shut down.

## Step 1. Enable Email Notifications

1. Go to the **BASIC > Administration** page.
2. In the **Email Notifications** section, enter the **System Alerts Email Address**.
3. Set **Enable Email Notifications** to **Yes**.
4. Enter the **SMTP Server**. E.g., mailserver.yourdomain.com

Enter an SMTP server that does not require authentication or encryption.



5. Enter the **Sender Address**. Emails sent by the X-Series Firewall use this email in the FROM section.
6. Click **Save**.

## Step 2. Configure Thresholds and Event Notifications

1. Stay on the **BASIC > Administration** page.
2. In the **Email Notifications** section, click **Show** next to the **Advanced Options**. The **Email Notification Advanced** pop-over opens.

Advanced Options:

Show

3. For each **Threshold**:
  - Enter how many events must occur.
  - Select the timespan from the dropdown.

## Email Notification Advanced ?

Threshold 1: Send email only if  events occur in  0-999. 0: Send immediately. Default: 1 every 5 minutes.

Threshold 2: Send email only if  events occur in  0-999. 0: Send immediately. Default: 1 every 5 minutes.

Threshold 3: Send email only if  events occur in  0-999. 0: Send immediately. Default: 1 every 5 minutes.

4. Select the **Notification** for each **Security** and **Operational Event**: When the number of events in the time-span defined for the first threshold has been reached and email notification is sent.
- **None** – No notification emails are sent for this event.
  - **Immediate** – An email notification is immediately sent for every event.
  - **Threshold 1** – When the number of events in the timespan defined for the first threshold has been reached and an email notification is sent.
  - **Threshold 2** – When the number of events in the timespan defined for the second threshold has been reached and an email notification is sent.
  - **Threshold 3** – When the number of events in the timespan defined for the third threshold has been reached and an email notification is sent.

Security Events	Event	Notification
	Duplicate IP Detected	<input type="text" value="None"/>
	IPS Drop Alert	<input type="text" value="Immediate"/>
	IPS Drop Warning	<input type="text" value="Threshold 1"/>
	IPS Drop Notice	<input type="text" value="Threshold 2"/>
	IPS Log Alert	<input type="text" value="Threshold 3"/>
	IPS Log Warning	<input type="text" value="None"/>
	IPS Log Notice	<input type="text" value="None"/>
Operational Events	Event	Notification
	Critical Disk Space	<input type="text" value="None"/>
	Critical System Load	<input type="text" value="None"/>
	HA Partner Unreachable	<input type="text" value="None"/>
	HA Failover to this System	<input type="text" value="None"/>
	HA Failover to Partner	<input type="text" value="None"/>
	License expired or invalid	<input type="text" value="None"/>
	System Reboot	<input type="text" value="None"/>
	System Shutdown	<input type="text" value="None"/>

5. Click **Save**.



## Figures

1. notification01.png
2. notification02.png
3. notification03.png
4. notification04.png

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