



# Configuration of email alerts



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# Configuration of email alerts

We are working on the translation of the Pandora FMS documentation. Sorry for any inconvenience.

## Quick email configuration guide for alerts in Pandora FMS

### Email configuration with Gmail account

In order for the Pandora server to be able to send alerts via Gmail account email, we need to have Pandora and Postfix configured as follows:

#### Pandora Settings

To correctly configure email with a Gmail account in the Pandora server configuration file (/etc/pandora/pandora\_server.conf) all the fields must be commented out except the mta\_address that we will configure with localhost or the ip of the server where the postfix server is installed.

If we have Postfix installed on the same server as Pandora, the configuration in pandora\_server.conf would be this:

```
mta_address localhost
#mta_port 25
#mta_user myuser@mydomain.com
#mta_pass mypassword
#mta_auth LOGIN
#mta_from Pandora FMS <pandora@mydomain.com>
```

Below is a small summary of the configuration of an alert in the Pandora console.

#### Action Settings

To configure the mail recipient we use the Mail to XXX action to add a mail recipient to which all alert emails will be sent.

ALERTS » CONFIGURE ALERT ACTION ?

|                     |  |   |
|---------------------|--|---|
| Name                | <input type="text" value="Mail to Admin"/>   |   |
| Group               | <input type="text" value="All"/>   |   |
|                     | <input type="text" value="eMail"/>   | Create Command <span>+</span>   |
| Command             | <p>This alert send an email using internal Server SMTP capabilities (defined in each server, using:<br/>         _field1_ as destination email address, and<br/>         _field2_ as subject for message.<br/>         _field3_ as text of message.<br/>         _field4_ as content type (plain/text or html/text).</p> |   |
| Threshold           | <input type="text" value="0 seconds"/>   |   |
|                     | Triggering   | Recovery  |
| Command preview     | <input type="text" value="Internal type"/>   | <input type="text" value="Internal type"/>  |
| Destination address | <input type="text" value="example1@example.com,example2@example.com,example3@"/>   |   |
| Field 1             |  |   |
| Subject             | <input type="text" value="[PANDORA] Alert from agent _agent_ on module _module_"/>   |   |
| Field 2             |  |   |
|                     | Basic <span>i</span> <input checked="" type="radio"/> Advanced <input type="radio"/>   | Basic <input checked="" type="radio"/> Advanced <input type="radio"/>   |
| Text                | <input type="text" value="&lt;style type='text/css'&gt;"/><br>/* Take care of image borders and formatting */<br><br>img {<br>max-width: 600px;"/>   | <input type="text" value="&lt;style type='text/css'&gt;&lt;!--"/><br>/* Take care of image borders and formatting */<br><br>img {<br>max-width: 600px;"/> |
| Field 3             |  |   |
| Content Type        | Text/plain <span>i</span> <input type="radio"/> Text/html <input checked="" type="radio"/>   | Text/plain <span>i</span> <input type="radio"/> Text/html <input checked="" type="radio"/>  |
| Field 4             |  |   |

Update

**Alert Settings**

In this case, a new alert with the module that can be seen in the screenshot has been generated in the *module > Alerts* configuration.

216.58.208.0 - Alert ?

Alert control filter

Module: Host Alive Latest value: 1.00 Template: Critical condition Create Template

Actions: Mail to Admin Create Action Threshold: 0 seconds ?

Add alert

Once the alert is triggered, we can see how it will reach the email chosen in the action:

[PANDORA] Alert from agent 2003 on module Host Alive • Pandora FMS • 13

De Pandora FMS <pandora@mydomain.com>

Asunto [PANDORA] Alert from agent 2003 on module Host Alive

Para mi

Hello, this is an automated email coming from Pandora FMS

This alert has been fired because a CRITICAL condition in one of your monitored items:

Agent : 2003  
 Module: Host Alive  
 Module description: Check if host is alive using ICMP ping check.  
 Timestamp 2013-05-10 12:52:13  
 Current value: 0.00

Thanks for your time.

Best regards  
 Pandora FMS

## Postfix installation

The following packages must be installed on the Pandora server for the correct functioning of the postfix server together with a GMAIL account.

```
yum install postfix mailx cyrus-sasl-plain cyrus-sasl cyrus-sasl-lib cyrus-sasl-md5 cyrus-sasl-scam cyrus-sasl-gssapi
```

## Postfix Configuration

Assuming that you already have Postfix installed on your server and that everything works fine

except sending mail via gmail, you'll need to follow these steps:

1- Check that the "less secure pass" option is enabled in the Gmail account. To do this, you can enable it in this link. (<https://myaccount.google.com/lesssecureapps>)

2- Edit the file `/etc/postfix/main.cf` and add the following lines at the end of the file:

```
myhostname = <hostname> #Add server hostname here
relayhost = [smtp.gmail.com]:587
smtp_sasl_auth_enable = yes
smtp_sasl_password_maps = hash:/etc/postfix/sasl_passwd
smtp_tls_policy_maps = hash:/etc/postfix/tls_policy
smtp_sasl_security_options = noanonymous
smtp_use_tls = yes
smtp_tls_CAfile = /etc/pki/tls/cert.pem
smtp_tls_security_level = encrypt
```

3- Create the file `/etc/postfix/sasl_passwd` with your gmail address and password.

```
nano /etc/postfix/sasl_passwd
```

Add the following line to the file with your gmail address and password:

```
[smtp.gmail.com]:587 ACCOUNT@gmail.com:PASSWORD
```

Protect it properly:

```
chmod 600 /etc/postfix/sasl_passwd
chown root:root/etc/postfix/sasl_passwd
```

4- Create the file `/etc/postfix/tls_policy` with the following information:

```
nano /etc/postfix/tls_policy
```

```
[smtp.gmail.com]:587 encrypt
```

Protect it properly:

```
chmod 600 /etc/postfix/tls_policy
chown root:root/etc/postfix/tls_policy
```

5- Transform `/etc/postfix/sasl_passwd` and `/etc/postfix/tls_policy` to a hash type indexed file using the command:

```
postmap /etc/postfix/sasl_passwd && postmap /etc/postfix/tls_policy
```

Which will create the file `/etc/postfix/sasl_passwd.db` and `/etc/postfix/tls_policy.db`

6- Finally, restart postfix to apply the changes, like this:

```
/etc/init.d/postfix restart
```

7- You can check the operation by opening two consoles. In one, the following command will be executed to monitor the behavior of the mail:

```
tail -f /var/log/maillog
```

And in the other an email will be sent:

```
echo "Test mail" | email test@gmail.com
```

If the previous steps were successful, the other console should see something like this:

```
Dec 18 18:33:40 OKComputer postfix/pickup[10945]: 75D4A243BD: uid=0 from=  
Dec 18 18:33:40 OKComputer postfix/cleanup[10951]: 75D4A243BD: message-id=  
Dec 18 18:33:40 OKComputer postfix/qmgr[10946]: 75D4A243BD: from=, size=403,  
nrcpt=1 (queue active)  
Dec 18 18:33:44 OKComputer postfix/smtp[10953]: 75D4A243BD: to=test@gmail.com,  
relay=smtp.gmail.com[74.125.93.109]:587, delay=3.7, delays=0.15/0.14/ 1.8/1.6,  
dsn=2.0.0, status=sent (250 2.0.0 OK 1324249500 eb5sm36008464qab.10)  
Dec 18 18:33:44 OKComputer postfix/qmgr[10946]: 75D4A243BD: removed
```

If the result is the above, Pandora will point to the Postfix server to send the emails and they will be sent without problems.

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