

Proxmox-NUT Homelab HOWTO — Step 2: Setup email using gmail.smtp.com as relay / Test Email from shell and Proxmox GUI / Test Proxmox startup / shutdown notification

 chribonn.medium.com/proxmox-nut-homelab-howto-step-2-setup-email-using-gmail-smtp-com-f2bae14d64e9

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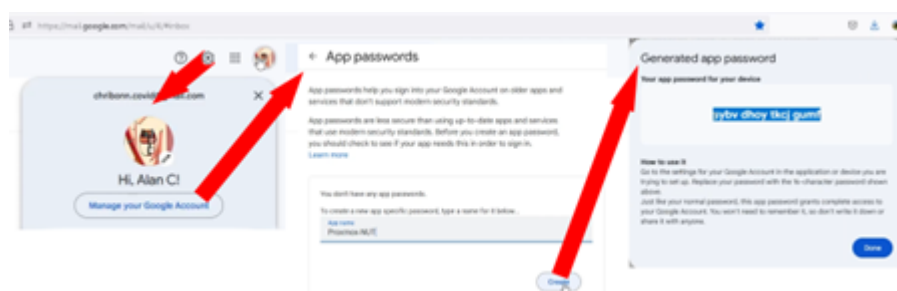


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We will set up Gmail as a relay within Debian (the OS on which Proxmox runs). We will look at the options within Proxmox that allow us to configure email communication on this SMTP. We will also configure Debian so that whenever it starts and stops it alerts us with an email.

Generate a Gmail app password setup



1. Log into Gmail, click on the cog and click on “Manage Google Account”.
2. In the search bar, type “App Passwords”.

3. Enter a name that describes where the password is used. This step is very important because this name is the only way to remember where this app password is being used. If you have many app passwords, you can easily recognise which password is used where. Furthermore, if you decide to disengage an SMTP relay all you have to do is delete the app associated with that service.
4. Copy the generated password into a text editor and remove all spaces.

Setup Gmail as an SMTP relay in Debian

1. Open a terminal from within Proxmox.
2. Check for and install any updates
3. Install additional modules that are required by Gmail.
4. Edit `/etc/postfix/main.cf`, delete or comment out the blank `relayhost=` entry and append the text below to the file. Save it.
5. Edit the file `/etc/postfix/sasl_passwd` and insert the following text (replacing `<your gmail email>` and `<your gmail app password>` with your values.
6. Change the file permissions granting root exclusive read write access.
7. Create a hashed database file from the credentials file.
8. Restart the postfix service and verify that it is active.

```
root@pvel:~# systemctl reload postfix
root@pvel:~# systemctl status postfix
● postfix.service - Postfix Mail Transport Agent
   Loaded: loaded (/lib/systemd/system/postfix.service; enabled; preset: enabled)
   Active: active (exited) since Mon 2024-07-15 12:51:33 CEST; 13min ago
     Docs: man:postfix(1)
   Process: 1157 ExecStart=/bin/true (code=exited, status=0/SUCCESS)
   Process: 3679 ExecReload=/bin/true (code=exited, status=0/SUCCESS)
   Main PID: 1157 (code=exited, status=0/SUCCESS)
      CPU: 727us

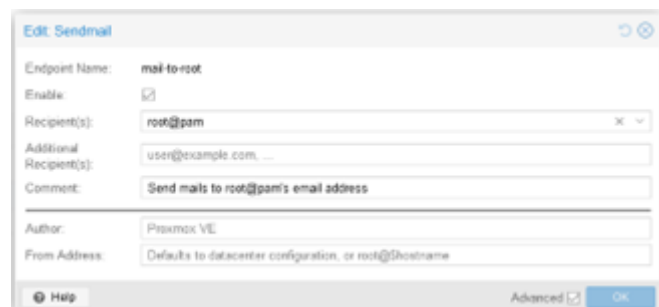
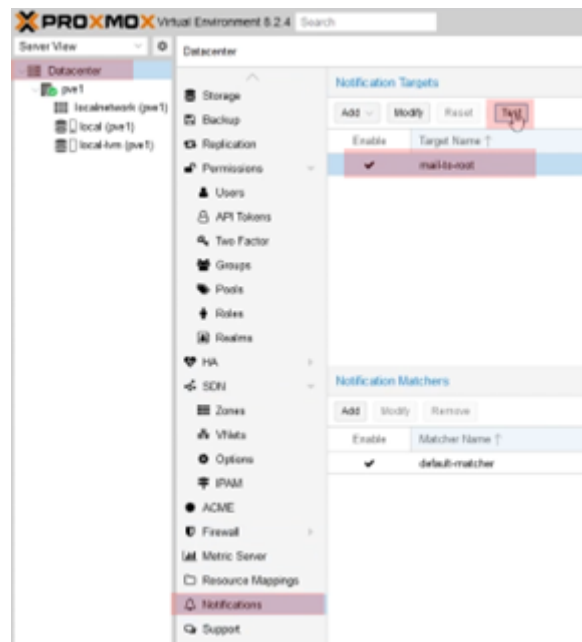
Jul 15 12:51:33 pvel systemd[1]: Starting postfix.service - Postfix Mail Transport Agent...
Jul 15 12:51:33 pvel systemd[1]: Finished postfix.service - Postfix Mail Transport Agent.
Jul 15 13:04:39 pvel systemd[1]: Reloading postfix.service - Postfix Mail Transport Agent...
Jul 15 13:04:39 pvel systemd[1]: Reloaded postfix.service - Postfix Mail Transport Agent.
root@pvel:~#
```

9. Verify that the solution is working (replace `<recipient_email_addr>` with your value by sending an email from your Debian terminal and confirming that the `<recipient_email_addr>` gets it.

Testing from within Proxmox

1. Click on and from the menu select
2. Click on and click the
3. Verify that an email has been generated.

You can customise the email author and from address that appears in the sent email. To do this go to Notifications, click on **mail-to-root** and click the **Modify** button. Check the **Advanced** checkbox and fill in the **Author** and **From Address** fields.



Generating an email when Proxmox (Debian) Starts and Shuts

(Reboot = Shutdown followed by Startup)

1. Create a script that will send the startup and shutdown emails. Let's call this script . The action will be passed as a parameter (\$1). You may add additional environment variables to suit your needs.
2. Make it executable and readable only by root.
3. Create a service that will be executed when the OS starts and stops. The service will invoke the script created about with the appropriate parameter. The service is called */etc/systemd/system/bootmail.service*.
4. Install the service and verify that it is active.

```

root@pvel:~# nano /usr/bin/bootmail.sh
root@pvel:~# chmod +700 /usr/bin/bootmail.sh
root@pvel:~# ls -l /usr/bin/bootmail.sh
-rwxr--r-- 1 root root 124 Jul 15 13:27 /usr/bin/bootmail.sh
root@pvel:~# nano /etc/systemd/system/bootmail.service
root@pvel:~# systemctl daemon-reload
root@pvel:~# systemctl enable bootmail.service
Created symlink /etc/systemd/system/multi-user.target.wants/bootmail.service → /etc/systemd/sy
root@pvel:~# systemctl status bootmail.service
● bootmail.service - Run Scripts at Start and Stop
   Loaded: loaded (/etc/systemd/system/bootmail.service; enabled; preset: enabled)
   Active: active (exited) since Mon 2024-07-15 13:21:17 CEST; 8min ago
     Main PID: 661 (code=exited, status=0/SUCCESS)
        CPU: 11ms

Jul 15 13:21:17 pvel systemd[1]: Starting bootmail.service - Run Scripts at Start and Stop...
Jul 15 13:21:17 pvel systemd[1]: Finished bootmail.service - Run Scripts at Start and Stop.
root@pvel:~# █

```

5. Reboot Proxmox and verify that the emails have been generated.

Video

Links

Setting up Email Notifications in Proxmox Using Gmail

<https://www.naturalborncoder.com/linux/2023/05/19/setting-up-email-notifications-in-proxmox-using-gmail/>

Send me an email on computer shutdown

<https://askubuntu.com/questions/851946/send-me-an-email-on-computer-shutdown>

Gmail

<https://www.google.com>

Run Jobs or Scripts Using Crontab on Boot

<https://www.linode.com/docs/guides/run-jobs-or-scripts-using-crontab-on-boot/>