

PROXMOX

CONFIGURANDO NOTIFICAÇÃO DE BACKUP POR E-MAIL

DATA: 16/12/2019

Neste documento será demonstrado como configurar as notificações por e-mail referente a execução dos backups do sistema de virtualização Proxmox. A instalação padrão do Proxmox já contem o serviço de envio de e-mails Postfix, sendo assim deve ser instalado alguns complementos conforme abaixo através da linha de comando.

```
apt-get install libsasl2-modules mailutils
```

Você deve configurar a conta responsável pelo envio dos e-mails.

*OBS: Estou usando o editor nano mas você pode usar o vim ou qualquer outro de sua preferência.

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

```
--
```

```
smtp.dominio.com.br:587 email@dominio.com.br:senhadoemail
```

Criando hash do arquivo sasl_passwd

```
postmap /etc/postfix/sasl_passwd
```

Protegendo o arquivo de senhas

```
chown root:root /etc/postfix/sasl_passwd*
```

```
chmod 0600 /etc/postfix/sasl_passwd*
```

Configurando o Postfix para fazer a transmissão das notificações.

```
cp -pv /etc/postfix/main.cf /etc/postfix/main.cf.backup
```

```
rm -f /etc/postfix/main.cf
```

```
nano /etc/postfix/main.cf
```

```
--
```

```
relayhost = smtp.dominio.com.br:587
```

```
smtp_sasl_auth_enable = yes
```

```
smtp_sasl_password_maps = hash:/etc/postfix/sasl_passwd
```

```
smtp_use_tls = no
```

```
smtp_tls_CAfile = /etc/ssl/certs/ca-certificates.crt
```

```
inet_protocols = ipv4
```

```
smtp_sasl_mechanism_filter = login
```

```
smtp_sasl_security_options = noanonymous
```

Reiniciando o serviço do Postfix

```
systemctl restart postfix
```

Testando o funcionamento do postfix recém configurado.

```
echo "Texto do Email! OK!!" | mail -s "Proxmox - Notificação" -a "From: email@dominio.com.br" email@dominio.com.br
```

Caso esteja tudo configurado corretamente você deve receber a mensagem na sua caixa de mensagens.

	Subject	Correspondents	Date
★	🌟 Proxmox - Notificação	➡️ douglas@menger.eti.br	🕒 2:07 PM
★	Proxmox - Notificação	➡️ douglas@menger.eti.br	🕒 2:06 PM
★	This is a Subject	➡️ douglas@menger.eti.br	🕒 2:04 PM

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Configurando na interface web do Proxmox o endereço e-mail que deve enviar as notificações.

The screenshot shows the Proxmox web interface. On the left, the 'Server View' sidebar has 'Datacenter' expanded, with 'proxmox' selected (indicated by a red arrow labeled 1). In the center, the 'Options' menu item is selected (indicated by a red arrow labeled 2). On the right, the 'Edit' button is highlighted (indicated by a red arrow labeled 4). The 'Email from address' field is set to 'email@dominio.com.br' (indicated by a red arrow labeled 3).

Field	Value
Keyboard Layout	Portuguese (Brazil) (pt-br)
HTTP proxy	none
Console Viewer	HTML5 (noVNC)
Email from address	email@dominio.com.br
MAC address prefix	none

Testando a notificação executando um backup manual.

The screenshot shows the Proxmox web interface with 'Virtual Machine 112 (pfsense-2.4.4-p3) on node 'proxmox'' selected. The 'Backup' menu item is selected in the left sidebar (indicated by a red arrow labeled 2). The 'Backup now' button is highlighted (indicated by a red arrow labeled 3). A 'Backup VM 112' dialog box is open, showing the following configuration: Storage: HD500GB, Mode: Stop, Compression: LZO (fast), and Send email to: douglas@menger.eti.br (indicated by a red arrow labeled 4). The 'Backup' button in the dialog is highlighted (indicated by a red arrow labeled 5).

Confirmação do backup bem sucedido

The screenshot shows the 'Task viewer: VM/CT 112 - Backup' page. The 'Output' tab is selected. The status is 'TASK OK'. The output text is as follows:

```
INFO: status: 100% (17179669164/17179669164); spar
INFO: transferred 17179 MB in 32 seconds (536 MB/s)
INFO: stopping kvm after backup task
INFO: archive file size: 1.45GB
INFO: Finished Backup of VM 112 (00:00:37)
INFO: Backup finished at 2019-12-17 14:18:09
INFO: Backup job finished successfully
TASK OK
```

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E-mail de notificação recebido informando sobre a execução do backup,

From vxdump backup tool <monitoramento@douglasmenger.eti.br> ☆
 Subject **vxdump backup status (proxmox) : backup successful**
 To Me★

VMID	NAME	STATUS	TIME	SIZE	FILENAME
112	pfsense-2.4.4-p3	OK	00:00:37	1.45GB	/mnt/HD500GB/dump/vxdump-qemu-112-2019_12_17-14_17_32.vma.lzo
TOTAL			00:00:37	1.45GB	

Detailed backup logs:


```

vxdump 112 --mode stop --mailto douglas@menger.eti.br --node proxmox --compress lzo --storage HD500GB --remove 0

112: 2019-12-17 14:17:32 INFO: Starting Backup of VM 112 (qemu)
112: 2019-12-17 14:17:32 INFO: status = stopped
112: 2019-12-17 14:17:33 INFO: update VM 112: -lock backup
112: 2019-12-17 14:17:33 INFO: backup mode: stop
112: 2019-12-17 14:17:33 INFO: ionice priority: 7
112: 2019-12-17 14:17:33 INFO: VM Name: pfsense-2.4.4-p3
112: 2019-12-17 14:17:33 INFO: include disk 'scsi0' 'local:112/vm-112-disk-0.qcow2' 16G
112: 2019-12-17 14:17:33 INFO: snapshots found (not included into backup)
112: 2019-12-17 14:17:33 INFO: creating archive '/mnt/HD500GB/dump/vxdump-qemu-112-2019_12_17-14_17_32.vma.lzo'
112: 2019-12-17 14:17:33 INFO: starting kvm to execute backup task
112: 2019-12-17 14:17:35 INFO: started backup task 'd72cddb3-77a5-41aa-bd93-4ab0c7846a34'
112: 2019-12-17 14:17:38 INFO: status: 7% (1313341440/17179869184), sparse 5% (907001856), duration 3, read/write 437/135 MB/s
112: 2019-12-17 14:17:41 INFO: status: 12% (2090663936/17179869184), sparse 6% (1197170688), duration 6, read/write 259/162 MB/s
112: 2019-12-17 14:17:44 INFO: status: 18% (3116695552/17179869184), sparse 10% (1815220224), duration 9, read/write 342/135 MB/s
112: 2019-12-17 14:17:47 INFO: status: 23% (4055826432/17179869184), sparse 13% (2333319168), duration 12, read/write 313/140 MB/s
112: 2019-12-17 14:17:50 INFO: status: 32% (5581766656/17179869184), sparse 20% (3499859968), duration 15, read/write 508/119 MB/s
112: 2019-12-17 14:17:53 INFO: status: 47% (8084127744/17179869184), sparse 34% (5869989888), duration 18, read/write 834/44 MB/s
112: 2019-12-17 14:17:56 INFO: status: 58% (10072948736/17179869184), sparse 44% (7679811584), duration 21, read/write 662/59 MB/s
112: 2019-12-17 14:17:59 INFO: status: 73% (12567379968/17179869184), sparse 58% (10093584384), duration 24, read/write 831/26 MB/s
112: 2019-12-17 14:18:02 INFO: status: 88% (15158804480/17179869184), sparse 73% (12661227520), duration 27, read/write 863/7 MB/s
112: 2019-12-17 14:18:05 INFO: status: 94% (16212164608/17179869184), sparse 77% (13318230016), duration 30, read/write 351/132 MB/s
112: 2019-12-17 14:18:07 INFO: status: 100% (17179869184/17179869184), sparse 83% (14285930496), duration 32, read/write 483/0 MB/s
112: 2019-12-17 14:18:07 INFO: transferred 17179 MB in 32 seconds (536 MB/s)
112: 2019-12-17 14:18:07 INFO: stopping kvm after backup task
112: 2019-12-17 14:18:08 INFO: archive file size: 1.45GB
112: 2019-12-17 14:18:09 INFO: Finished Backup of VM 112 (00:00:37)
      
```