

# Zabbix SMTP trapper

## ... or how Zabbix can read your emails

**Raynald de Lahondes**  
**lahondes@sibio.fr**



AUDIT, INFOGÉRANCE & CONSEIL

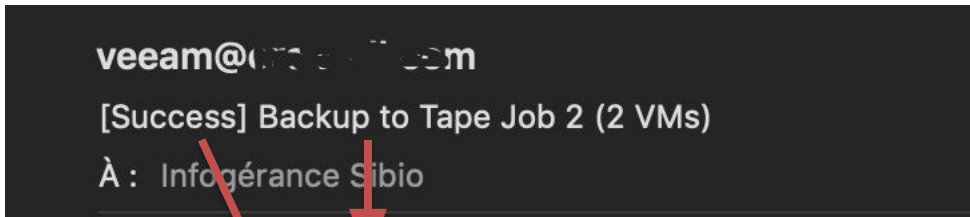
# SMTP Trapper : Why

- Feature request ZBXNEXT-3039
- Solution suggested by : BDiE8VNy on forums (as PoC: Email to Zabbix trapper items) in 2015
- Published 2019 on github: [zbxsmtptrap](#)
- First need in Sibio : Veeam
- Extensions : DMARC

# SMTP Trapper : How

- Very simple : one service script .py, one .ini file
- In .ini file: a [subjects] section with some regexps

```
veeamjob: [A-Z ]*\[(?P<status>.*)\] (?P<veeamjob>.+)\((?P<detail>.*)\)
```



smtp.trap.subject.discovery[veeamjob] -> Backup to Tape Job 2

smtp.trap.subject.match[veeamjob, "Backup to Tape Job2", status] -> Success

smtp.trap.subject.match.body[veeamjob, "Backup to Tape Job2"] -> email body

<https://www.zabbix.com/integrations/veeam> (look for SMTP)

## Why not SNMP or other?

- All backup programs send emails, almost none has complete SNMP
- Other ways to monitor Veeam use powershell which is slow, inefficient and in some rare cases even harmful (\*)
- Plus there are other cases (like DMARC) where information also comes more easily by email

(\*)

<https://forums.veeam.com/veeam-backup-replication-f2/veeam-9-5-update-3-rpc-error-t48016.html>

# What next?

- Enhance Discovery mechanism (prevent loss of metrics in case several emails for a new subject are sent simultaneously)
- Use dependent items for Veeam for more metrics
- Attachments: possibility to send attachments to specific parser
  - Example with DMARC monitoring
- Thanks !
  - Raynald de Lahondes <lahondes@sibio.fr>