Zabbix SMTP trapper

... or how Zabbix can read your emails

Raynald de Lahondes
lahondes@sibio.fr
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 (*)

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>