

Monitorando Node GrayLog através Zabbix

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Introdução

O que é o Graylog?

Graylog é uma ótima ferramenta open-source para gerenciamento de logs, desenvolvida por Lennart Koopman. Buscando facilitar a compreensão de informações dos serviços e com interface web. O Graylog extrai dados importantes dos logs do servidor, que geralmente são enviados usando protocolo Syslog.

Itens Monitorados

- **GrayLog:** Filter execution Time (Filtered, Incoming, Outgoing, Process)
- **GrayLog:** Internal Log Message (Error, Fatal, Trace, Warn)
- **GrayLog:** Journal (Journal Size)
- **GrayLog:** Node Memory(LLD)/(Free Memory, Max Memory, Total Memory, Used Memory)
- **GrayLog:** Node Status (Lifecycle, Processing, Status)
- **GrayLog:** Services

Pré-requisitos

- **Zabbix 3.4** or 3.2
- **GrayLog 2.4**
- **Python 3.4** or python3
- Imports python
 - requests
 - json
 - sys

Procedimentos

1. Baixe o arquivo **monitoring-graylog.py** e copie para a pasta de scripts no seu servidor (onde fica o agente do Zabbix instalado)

```
# wget https://raw.githubusercontent.com/bezarsnba/zabbix-graylog-monitoring/master/monitoring-graylog.py
# cp monitoring-graylog.py /etc/zabbix/scripts/
# chmod +x monitoring-graylog.py
```



2. Altere as variáveis abaixo do arquivo **monitoring-graylog.py**:

```
# vim monitoring-graylog.py
apiUserGray="<Username Graylog>"
apiPassGray="<Password Username>"

## Functions to login in Api Rest ##
def apiGrayLog(valueApi):
    r = requests.get("http://<Ip GrayLog Server>:9000/api/%s' % valueApi,
auth=(apiUserGray,apiPassGray))
    return r.text
```

3. Execute o script passando como parâmetro a função **lldgraylognode**:

```
# python3.4 monitoring-graylog.py lldgraylognode
{
  "data":[
    {
      "#{NODEID}":"b6171e87-b8e6-4c14-9014-b4a50754488b"
    },
    {
      "#{NODEID}":"2c0b3a0d-d8ff-4b20-ba8d-0e8330f0ab2e"
    }
  ]
}
```

4. Verifique onde esta armazenado os arquivos *.conf no agente zabbix:

```
# grep conf /etc/zabbix/zabbix_agentd.conf
Include=/etc/zabbix/zabbix_agentd.conf.d/*.conf
```

5. Copie o arquivo **user_parameter_graylog.conf** para o diretório que foi encontrado passo 4 e altere o caminho do **binário python** :

```
# wget https://raw.githubusercontent.com/bezarsnba/zabbix-graylog-monitoring/master/
user_parameter_graylog.conf

# cp user_parameter_graylog.conf /etc/zabbix/zabbix_agentd.conf.d/

# cat user_parameter_graylog.conf
UserParameter=graylog.node.men[*],/usr/bin/python3.4 /etc/zabbix/scripts/monitoring-graylog.py monnode $1 $2
UserParameter=graylog.cluster.status[*],/usr/bin/python3.4 /etc/zabbix/scripts/monitoring-graylog.py moncluster $1 $2
UserParameter=graylog.inter.log[*],/usr/bin/python3.4 /etc/zabbix/scripts/monitoring-graylog.py monmetric $1 $2
UserParameter=graylog.journal.size[*],/usr/bin/python3.4 /etc/zabbix/scripts/monitoring-graylog.py monmetric $1 $2
UserParameter=graylog.proc.buffer[*],/usr/bin/python3.4 /etc/zabbix/scripts/monitoring-graylog.py monprocessbuffer $1 $2
UserParameter=graylog.discovery.node,/usr/bin/python3.4 /etc/zabbix/scripts/monitoring-graylog.py lldgraylognode
```

6. Reinicie o agente:

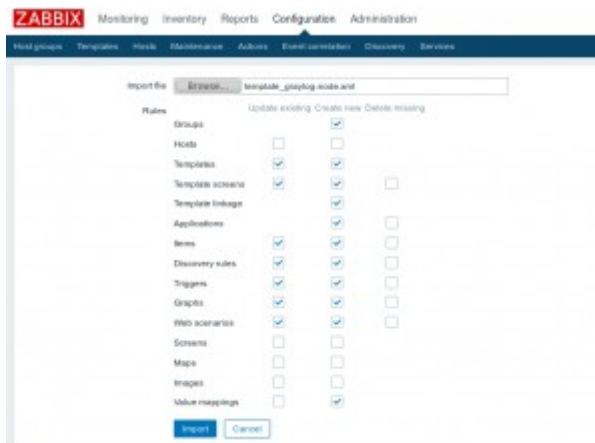
```
# systemctl restart zabbix-agent
```

7. Use o **zabbix_get** para testar alguns itens:

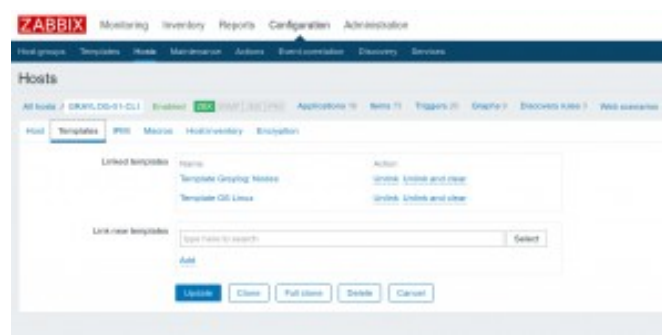
```
# zabbix_get -s < IP Agent Zabbix > -k graylog.discovery.node
{
  "data": [
    {
      "#{NODEID}": "b6171e87-b8e6-4c14-9014-b4a50754488b"
    },
    {
      "#{NODEID}": "2c0b3a0d-d8ff-4b20-ba8d-0e8330f0ab2e"
    }
  ]
}

# zabbix_get -s < IP Agent Zabbix > -k graylog.cluster.status["2c0b3a0d-d8ff-4b20-ba8d-0e8330f0ab2e",lb_status]
alive
```

8. Importe o template **template_graylog-node.xml** para o seu Zabbix.



9. Adicione o Template Graylog Node no host do Graylog:





Fonte: <https://www.graylog.org/post/back-to-basics-monitoring-graylog>

GitHub: <https://github.com/bezarsnba/zabbix-graylog-monitoring>

MarketPlaceGraylog: <https://marketplace.graylog.org/addons/1ad55d59-09a0-4dd4-9da6-2eccbbfbed1e>

Zabbix Shared: <https://share.zabbix.com/cat-app/monitoring-system/graylog-node-monitoring-using-zabbix>