



SECTOR^{NORD} AG
OPEN SOURCE BASED ENTERPRISE SOLUTIONS

ITSM SUMMIT 2023

SV4 DEEP DIVE

NEUE MÖGLICHKEITEN NUTZEN

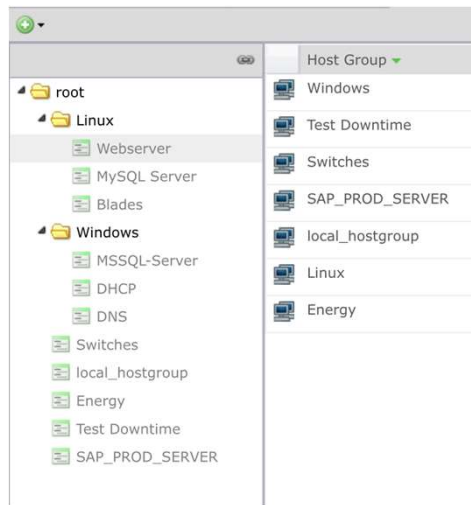
FILTER

EIN ERSATZ FÜR GRUPPEN

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SNAG-VIEW 3

Host-/
Servicegruppen

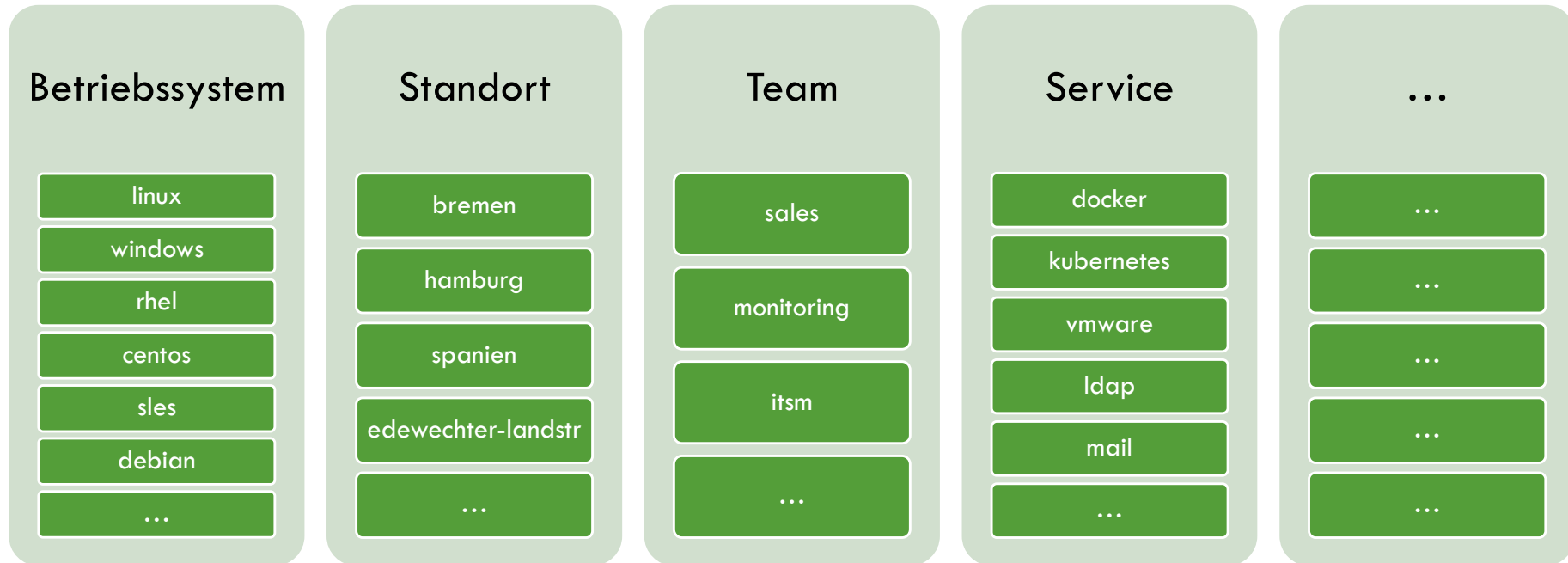


SNAG-VIEW 4



TAGS

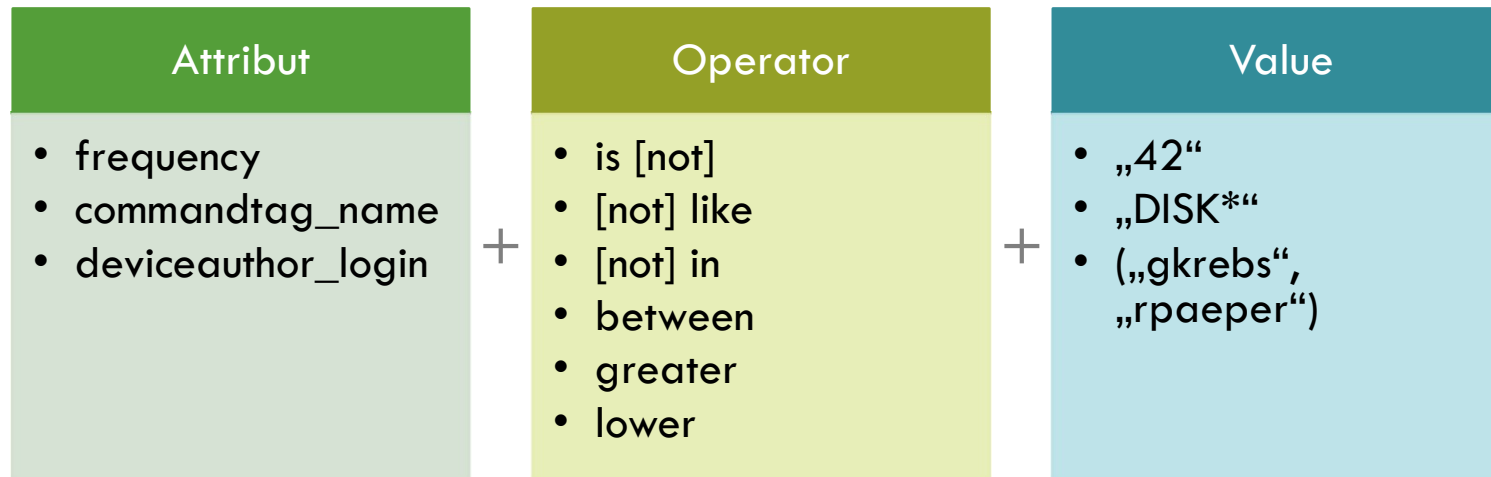
= gruppierende Metadaten



FILTER

- Filterung auf (fast) jedes Attribut eines Objekts
- Beliebig verschachtelbar
- `device_name` is „SNAG-View“
- `tag_name` is "linux" and `tag_name` is "smtp" or ((`devicetag_name` is "mail" or `devicetag_name` is "service") and `device_address` like "155.14.*")

AUFBAU



frequency is „42“
commandtag_name like „DISK*“
deviceauthor_name not in („gkrebs“, „rpaeper“)

FILTER-ATTRIBUTE

- Direkte Attribute

- `name` `description` `frequency`

- Indirekte Attribute

- `device_name` `author_login` `tag_name`

- Dritte Ebene

- `devicetag_name` `commandauthor_surname`

VERKETTUNG

- UND
 - tag_name is „mail“ and device_address like „234.123.18.*“
- ODER
 - devicetag_name is „linux“ or command_name is „DISK“

VERSCHACHTELUNG

- device_name like „prod.*“ and (devicetag_name is „rhel“ or devicetag_name is „windows“)
- tag_name is "linux" and tag_name is "smtp" or ((devicetag_name is "mail" or devicetag_name is "service") and device_address like "155.14.*")

FRONTEND

Filter: Sensor

Device	Address	Capacity	Device ID
sd-bus:sdm0:sdm0:sdm0:sdm0	127.0.1.1	127.0.1.1	sdm0:sdm0:sdm0:sdm0
sd-bus:sdm0:sdm0:sdm0:sdm0	127.0.1.1	127.0.1.1	sdm0:sdm0:sdm0:sdm0
sd-bus:sdm0:sdm0:sdm0:sdm0	127.0.1.1	127.0.1.1	sdm0:sdm0:sdm0:sdm0

- device_active
- device_address
- device_description
- device_external
- device_id
- device_name

Filter: Sensor

API

GET `{{server}}/rest/v1/sensor?logic=command_name like "*DISK*" or tag_name in ("linux","windows")`

Params Authorization Headers (10) **Body** Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL **JSON**

```
1 {}
2 ..... "sort": {
3 .....   "field": "device_name",
4 .....   "order": "ASC"
5 ..... },
6 ..... "detailed": false,
7 ..... "limit": 10
8 }
```

GET `{{server}}/rest/v1/sensor`

Params Authorization Headers (10) **Body** Pre-request Script

none form-data x-www-form-urlencoded raw bir

```
1 {
2 ..... "logic": {
3 .....   "type": "or",
4 .....   "conditions": [
5 .....     {
6 .....       "attribute": "command_name",
7 .....       "operator": "like",
8 .....       "value": "*DISK*"
9 .....     },
10 .....    {
11 .....      "attribute": "tag_name",
12 .....      "operator": "in",
13 .....      "value": ["linux", "windows"]
14 .....    }
15 .....   ],
16 .....   "blocks": []
17 ..... },
18 }
```

EIN WEG ZUM ZIEL

- Information immer nur über einen Weg
- Grundsatz-Regel: Abfrage über den Objekt-Typ, den ich zurück haben will
 - Alle User eines Approvals = User-Endpunkt
 - approval_name is „team-sales“
 - Alle Devices eines Sectors = Device-Endpunkt
 - sector_name is „local“
 - Alle Sensoren eines Tags = Sensor-Endpunkt
 - tag_name in („linux“)

GRUPPEN-STATUS = FILTER-STATUS

- POST /rest/v1/filter/state
- Aktuell nur im diagrams-Modul genutzt

AUSBLICK: AUTOMATION

- Regel-System-Erweiterung: Aktionen auf Basis von Objekt-Events (create, update, delete)
 - Vererbungs-Ersatz
 - Z.B. Wenn Device den Tag „linux“ bekommt werden die Sensoren „DISK“, „CPU-LOAD“ und „MEMORY“ zum Device hinzugefügt



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ZEIT FÜR FRAGEN

VIELEN DANK FÜR DIE AUFMERKSAMKEIT