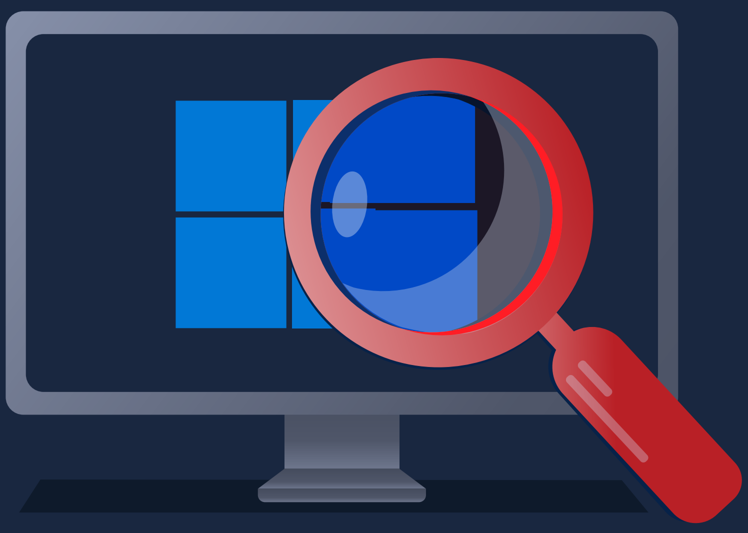
Sigma
Rules & Conversion

SIGMA SYNTAX



title: #Title of your rule

id: #Universally Unique Identifier (UUID) Generate one from https://www.uuidgenerator.net

status: #stage of your rule testing

description: #Details about the detection intensions of the rule.

author: #Who wrote the rule.

date: #When was the rule written.

modified: #When was it updated

logsource:

→**category:** #Classification of the log data for detection

→**product:** #Source of the log data

detection:

→**selection:**

→→**FieldName1:** #Search identifiers for the detection

→→**FieldName2:**

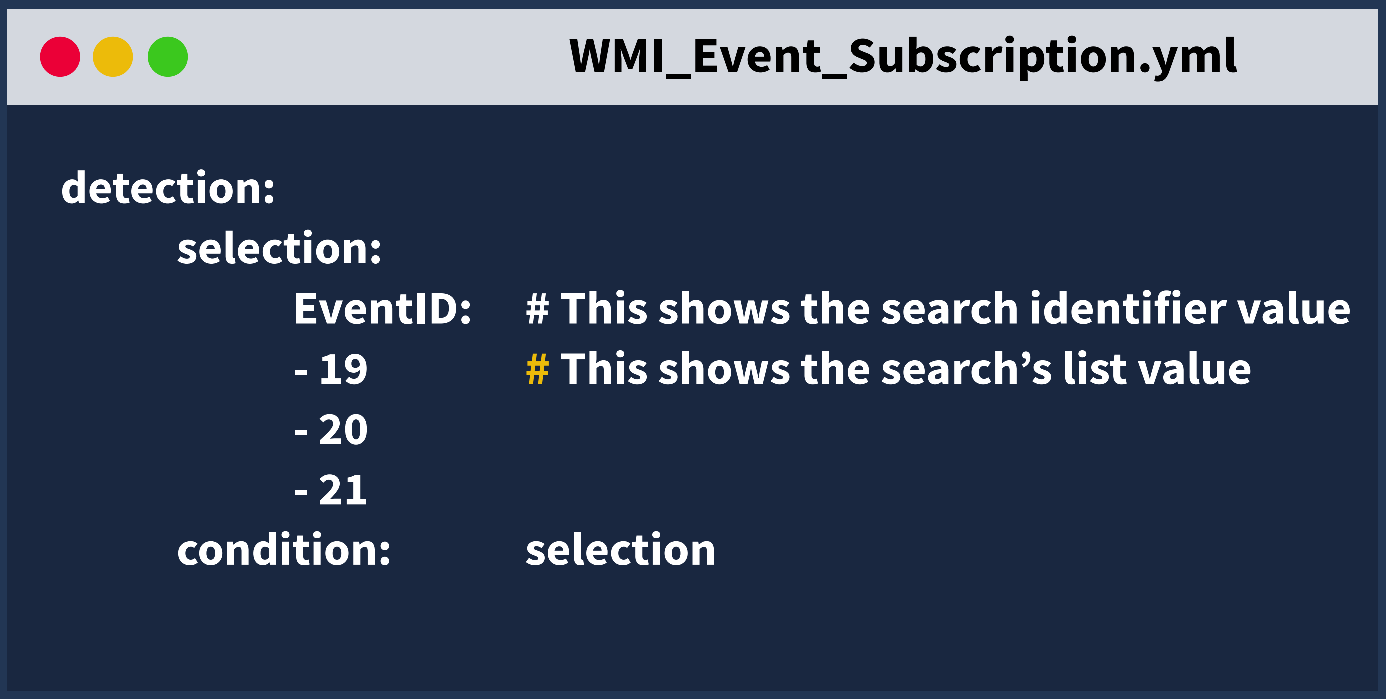
→**condition:** #Action to be taken.

fields: #List of associated fields that are important for the detection

falsepositives: #Any possible false positives that could trigger the rule.

level: medium #Severity level of the detection rule.

Detection Expression



WMI_Event_Subscription.yml

```
detection:
    selection:
        EventID:    # This shows the search identifier value
        - 19        # This shows the search's list value
        - 20
        - 21
    condition:      selection
```

General Detection Expression Principles

Adapted from: *https://github.com/SigmaHQ/sigma/wiki/Specification*

- YAML rules apply
- All values are case-insensitive strings with wildcards: '*' and '?'
- Wildcards can be escaped with \,e.g.*. If a wildcard after a backslash should be searched, the backslash has to be escaped: \\*
- Empty value: ' '
- Null value is defined with 'null'

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Condition Expression

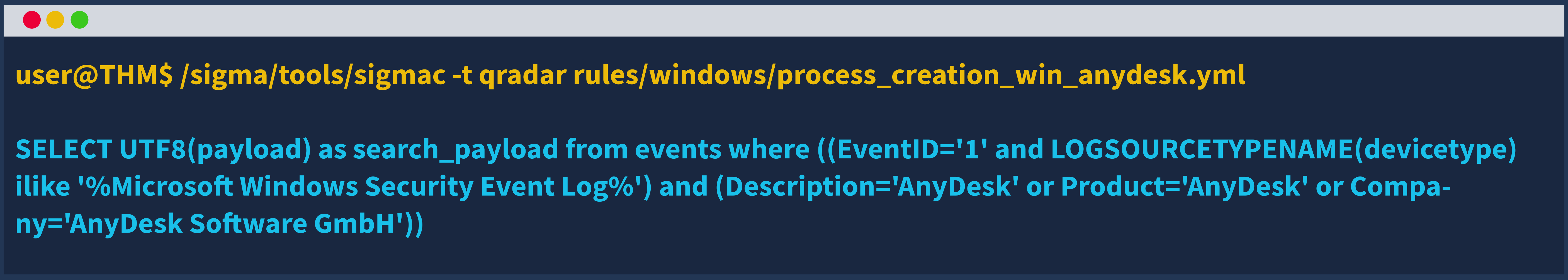
Operator	Example
Logical and/or	Selection1 or selection2
1/all of search-identifier	1 of selection
1/all of them	All of them
1/all of search-id-pattern	All of filter_*
Negation with 'not'	Selection and not filter
Order of operation '()'	1 of selection andnot (filter1 or filter2)

Search Identifiers

Data Type	Example	Operator
Lists	EventID: - 4605 - 8201	OR
Maps	Filter: EventID: 3325 EventID: 4523	AND

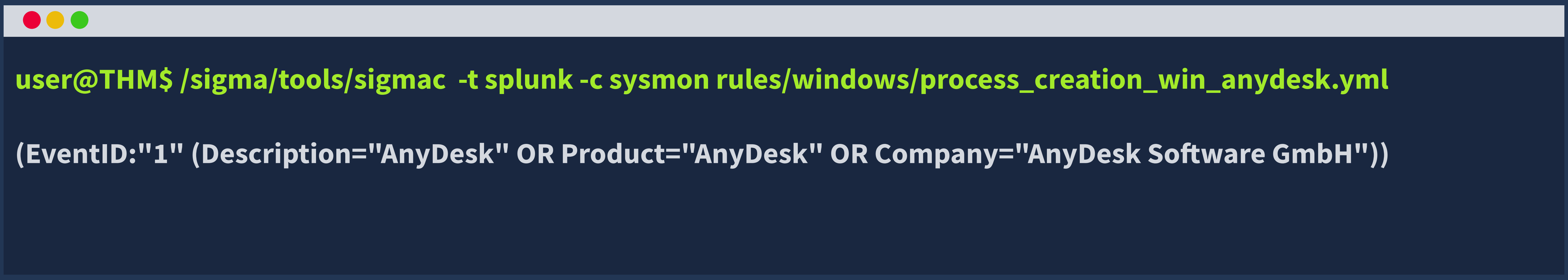
Value Modifier	What it Does Example	Example
contains	adds a * to the beginning & end of the field value	'CommandLine | contains'
all	Changes the default list behavior from "or" to "and"	CommandLine | contains | all
startswith	Adds a * to the end of the field value	Image | startswith
endswith	Adds a * to the beginning of the field value	Parentimage | endswith
re	Allows the use of Regex	Hostname | re: '^[A-Za-z0-9]{16}$'

Sigma Rule Conversion



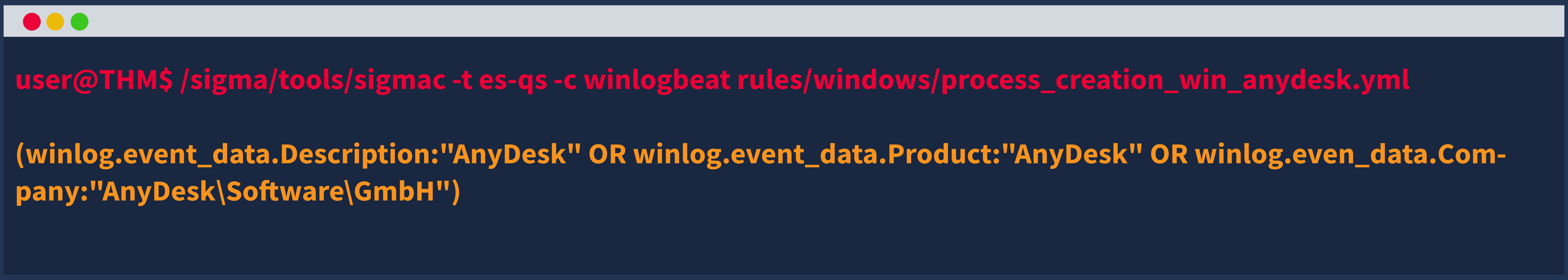
```
user@THM$ /sigma/tools/sigmac -t qradar rules/windows/process_creation_win_anydesk.yml

SELECT UTF8(payload) as search_payload from events where ((EventID='1' and LOGSOURCETYPENAME(devicetype)
ilike '%Microsoft Windows Security Event Log%') and (Description='AnyDesk' or Product='AnyDesk' or Company='AnyDesk Software GmbH'))
```



```
user@THM$ /sigma/tools/sigmac  -t splunk -c sysmon rules/windows/process_creation_win_anydesk.yml

(EventID:"1" (Description="AnyDesk" OR Product="AnyDesk" OR Company="AnyDesk Software GmbH"))
```



```
user@THM$ /sigma/tools/sigmac -t es-qs -c winlogbeat rules/windows/process_creation_win_anydesk.yml

(winlog.event_data.Description:"AnyDesk" OR winlog.event_data.Product:"AnyDesk" OR winlog.even_data.Company:"AnyDesk\Software\GmbH")
```

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