

Node zombie processes

zombie process is a process that has completed execution but still has an entry in the process table.



This happens because the parent process has not yet read the child process's exit status. Until the parent process decide the termination of the child process, the child process remains in a "zombie" state.

```
- name: number_of_zombie_processes
  rules:
    - record: number_of_zombie_processes_rule
      expr: node_procs_zombie
      labels:
        node1: number_of_zombie_processe
```

```
- name: number_of_zombie_processes
  rules:
    - alert: number_of_zombie_processes_alert
      expr: number_of_zombie_processes_rule > 0
      for: 5m
      labels:
        node1: number_of_zombie_processe
      annotations:
        summary: "number of zombie processes in {{ $labels.instance }}"
        description: "number of zombie processes is {{ $value }}"
```

```
global:
route:
  receiver: 'slack'
  group_by: ['alertname']
  group_wait: 10s
  group_interval: 15s

receivers:
  - name: 'slack'
    slack_configs:
      - channel: "#devops_team"
        send_resolved: true
        api_url: 'https://hooks.slack.com/services/T086Y[REDACTED]LTHQF/P2ko8X4S46ZiUc8SyJghwrre'
        title: '{{ .CommonAnnotations.summary }}'
        text: '{{ .CommonAnnotations.description }}
```

Node exporter - node1				1 / 1 up 	
Endpoint	Labels	Last scrape		State	
http://192.168.1.100:9100/metrics	instance="192.168.1.100" job="Node exporter - node1"	3.636s ago	44ms	up 	

number_of_zombie_processes

/etc/prometheus/rules.yml

last run 1m 6.647s ago

took 0ms

every 15s

number_of_zombie_processes_rule

1m 6.755s ago

0ms

OK

^

node_procs_zombie

node1="number_of_zombie_processe"

number_of_zombie_processes

/etc/prometheus/alert_rules.yml

last run 16.834s ago

took 0ms

every 15s

number_of_zombie_processes_alert

16.952s ago

0ms

OK

^

number_of_zombie_processes_rule > 0

for: 5m

node1="number_of_zombie_processes"

description

number of zombie processes is {{ \$value }}

summary

number of zombie processes in {{ \$labels.instance }}

number_of_zombie_processes

/etc/prometheus/alert_rules.yml

INACTIVE (1)

number_of_zombie_processes_alert

^

number_of_zombie_processes_rule > 0

for: 5m

node1="number_of_zombie_processes"

description

number of zombie processes is {{ \$value }}

summary

number of zombie processes in {{ \$labels.instance }}

Activate Windows