

Node CPU usage

```
- name: node_cpu_usage
  rules:
    - record: node_cpu_usage_rule
      expr: 100 - (avg by(instance) (rate(node_cpu_seconds_total{mode="idle"}[1m])) * 100)
      labels:
        node1: cp
```

```
- name: node_cpu_usage
  rules:
    - alert: node_cpu_usage_alert
      expr: node_cpu_usage_rule > 20
      #for: 1m
      annotations:
        summary: "cpu usage in {{ $labels.instance }}"
        description: "cpu usage 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/T[REDACTED]DLTHQF/P2ko8X4S46ZiUc8SyJghwrre'
```

Node exporter - node1 (1/1 up) [show less](#)

Endpoint	State	Labels	Last Scrape	Scrape Duration	Error
http://192.168.1.9100/metrics	UP	instance="192.168.1.9100" job="Node exporter - node1"	101.000ms ago	23.783ms	

node_cpu_usage			1.203s ago	1.006ms
Rule	State	Error	Last Evaluation	Evaluation Time
alert: node_cpu_usage_alert expr: node_cpu_usage_rule > 20 annotations: description: cpu usage is {{ \$value }} summary: cpu usage in {{ \$labels.instance }}	OK		1.204s ago	0.983ms

node_cpu_usage			1.300s ago	0.625ms
Rule	State	Error	Last Evaluation	Evaluation Time
record: node_cpu_usage_rule expr: 100 - (avg by(instance) (rate(node_cpu_seconds_total{mode="idle"}[1m])) * 100) labels: node1: cpu	OK		1.300s ago	0.602ms

```
adham@node1:~$ stress --vm 2 --vm-bytes 2G --timeout 50
stress: info: [14832] dispatching hogs: 0 cpu, 0 io, 2 vm, 0 hdd
stress: info: [14832] successful run completed in 51s
adham@node1:~$
```

Inactive (0) Pending (0) Firing (2)

Filter by name or labels

Show annotations

/etc/prometheus/alert_rules.yml > node_cpu_usage firing (1)

▼ node_cpu_usage_alert (1 active)

name: node_cpu_usage_alert
expr: node_cpu_usage_rule > 20
annotations:
description: cpu usage is {{ \$value }}
summary: cpu usage in {{ \$labels.instance }}

Labels	State	Active Since	Value
alertname=node_cpu_usage_alert instance=192.168.1.100 node1=cpu	FIRING	2025-01-01T19:46:07.297590169Z	50.43755000000003

FC Fake company

Get 50% Off Slack Pro
6 days left on this offer

Home

More

Threads

Huddles

Channels

all-fake-company

devops_team

fake

social

Add channels

Direct messages

slack test you

Invite people

Apps

Demo App

devops_team

Messages Add canvas

[RESOLVED] node_cpu_usage_alert (192.168.1.100:9100 cpu) Today

Demo App APP 8:37 PM

[FIRING:1] node_cpu_usage_alert (192.168.1.100:9100 cpu)

[RESOLVED] node_cpu_usage_alert (192.168.1.100:9100 cpu)

[FIRING:1] node_cpu_usage_alert (192.168.1.100:9100 cpu)

[FIRING:1] node_usage_memory_alert (192.168.1.100:9100 Node exporter - node1 node1)

[RESOLVED] node_cpu_usage_alert (192.168.1.100:9100 cpu)

[FIRING:1] node_cpu_usage_alert (192.168.1.100:9100 cpu)

[RESOLVED] node_usage_memory_alert (192.168.1.100:9100 Node exporter - node1 node1)

[FIRING:1] node_usage_memory_alert (192.168.1.100:9100 Node exporter - node1 node1)

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