

# Dùng Consul làm Service Discovery:

Vào đường dẫn chứa file consul.exe gõ lệnh cmd rồi gõ: consul.exe agent –dev để start service Consul trên port 8500

# Dùng Prometheus để monitor các service up/down, trước tiên mở file prometheus.yml để cập nhật cấu hình như sau.

# my global config

global:

scrape\_interval: 15s # Set the scrape interval to every 15 seconds. Default is every 1 minute.

evaluation\_interval: 15s # Evaluate rules every 15 seconds. The default is every 1 minute.

# scrape\_timeout is set to the global default (10s).

# Alertmanager configuration

alerting:

alertmanagers:

- static\_configs:

- targets:

#- alertmanager:9093

- localhost:9093

# Load rules once and periodically evaluate them according to the global 'evaluation\_interval'.

rule\_files:

- "first\_rules.yml"

# - "second\_rules.yml"

# A scrape configuration containing exactly one endpoint to scrape:

# Here it's Prometheus itself.

scrape\_configs:

# The job name is added as a label `job=<job\_name>` to any timeseries scraped from this config.

- job\_name: 'prometheus'

# metrics\_path defaults to '/metrics'

# scheme defaults to 'http'.

static\_configs:

- targets: ['localhost:9090']

# chau.doan settings to services discovery

- job\_name: 'grafana'

static\_configs:

- targets: ['localhost:3000']

- job\_name: 'consul'

consul\_sd\_configs:

- server: '127.0.0.1:8500'

relabel\_configs:

- source\_labels: [\_\_meta\_consul\_tags]

regex: .\*

action: keep

- source\_labels: [\_\_meta\_consul\_service]

target\_label: job

Sau đó start file prometheus.exe, prometheus chạy trên port 9090

# Dùng Alert manager để alert đến các hệ thống khác như email,slack.

Mở file alertmanager.yml để cập nhật cấu hình gửi email:

global:

resolve\_timeout: 5m

route:

group\_by: ['alertname']

#group\_wait: 10s

#group\_interval: 10s

#repeat\_interval: 1h

receiver: 'email-me'

receivers:

- name: 'email-me'

email\_configs:

- to: 'chaudt@saigonnewport.com.vn'

from: 'doan.to.chau@gmail.com'

smarthost: 'smtp.gmail.com:587'

auth\_username: 'doan.to.chau@gmail.com'

auth\_identity: 'doan.to.chau@gmail.com'

auth\_password: 'MatKhau123'

inhibit\_rules:

- source\_match:

severity: 'critical'

target\_match:

severity: 'warning'

equal: ['alertname', 'dev', 'instance']

Sau đó start file alertmanager.exe, alertmanager chạy trên port 9093

# Dùng Grafana để monitor resource hệ thống, start grafana bằng file grafana-server.exe, grafana chạy trên port 3000