



链滴

prometheus 服务部署

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来源网站: [链滴](#)

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- 主服务 prometheus挂载了 配置文件prometheus.yml (详细介绍在prometheus配置文件)、告规则目录 ./rules、监控服务地址目录 ./targets
- 搭配告警服务 alertmanager挂载了 配置文件alertmanager.yml (详细介绍在Alertmanager)
- 配合告警服务进行钉钉告警 dingtalk挂载了 配置文件ding.yml (详细介绍在钉钉告警)、自定义警模板 template.tpl
- 服务监控中转 pushgateway
- prometheus远程存储服务器influxdb, 用于数据持久化

docker-compose文件

```
version: '3.6'
services:
  prometheus:
    image: prom/prometheus
    container_name: prometheus
    environment:
      TZ: 'Asia/Shanghai'
    restart: always
    volumes:
      - /etc/localtime:/etc/localtime
      - ./prometheus.yml:/etc/prometheus/prometheus.yml
      - ./rules/alert.rules:/prometheus/alert.rules
      - ./rules/containerAlert.rules:/prometheus/containerAlert.rules
      - ./rules/jvm.rules:/prometheus/jvm.rules
      - ./targets/convergence_targets.json:/prometheus/convergence_targets.json
      - ./targets/ac_targets.json:/prometheus/ac_targets.json
      - ./targets/other_targets.json:/prometheus/other_targets.json
      - ./targets/ex_targets.json:/prometheus/ex_targets.json
      - ./targets/ng_grouptask_targets.json:/prometheus/ng_grouptask_targets.json
```

ports:
- 19090:9090

alertmanager:
image: prom/alertmanager:latest
container_name: alertmanager
environment:
 TZ : 'Asia/Shanghai'
volumes:
- /etc/localtime:/etc/localtime
- ./alertmanager.yml:/etc/alertmanager/alertmanager.yml
restart: always
ports:
- 19093:9093

prometheusdingtalk:
image: timonwong/prometheus-webhook-dingtalk
container_name: dingtalk
environment:
 TZ : 'Asia/Shanghai'
restart: always
volumes:
- /etc/localtime:/etc/localtime
- ./ding.yml:/etc/prometheus-webhook-dingtalk/config.yml
- ./template.tmpl:/etc/prometheus-webhook-dingtalk/templates/default.tmpl
ports:
- 18060:8060

prometheusgateway:
image: prom/pushgateway
container_name: pg
environment:
 TZ : 'Asia/Shanghai'
volumes:
- /etc/localtime:/etc/localtime
restart: always
ports:
- 9091:9091

influxdb:
image: influxdb:1.8
container_name: influxdb
ports:
- 18086:8086
restart: always
volumes:
- /prometheus/influxdb/conf:/etc/influxdb
- /data/influxdb/data:/var/lib/influxdb/data
- /data/influxdb/meta:/var/lib/influxdb/meta
- /data/influxdb/wal:/var/lib/influxdb/wale
environment:
- TZ=Asia/Shanghai

启动命令

```
docker-compose up -d
```

查看容器状态

```
docker ps -a
```

配置文件参考

prometheus.yml

```
# 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

# Load rules once and periodically evaluate them according to the global 'evaluation_interval'.
rule_files:
  - /prometheus/alert.rules
  - /prometheus/containerAlert.rules
  - /prometheus/jvm.rules
# 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 c
nfig.
  - job_name: 'pushgateway'
    static_configs:
      - targets: ['pg:9091']
        labels:
          instance: pushgateway
  - job_name: 'convergency_sd'
    scrape_interval: 3s
    metrics_path: '/actuator/prometheus'
    file_sd_configs:
      - refresh_interval: 1m
        files: ['/prometheus/convergence_targets.json']
  - job_name: 'ac_sd'
    file_sd_configs:
      - refresh_interval: 1m
        files: ['/prometheus/ac_targets.json']
  - job_name: 'other_sd'
    file_sd_configs:
      - files: ['/prometheus/other_targets.json']
```

```
- job_name: 'ex_sd'
  file_sd_configs:
    - files: ['/prometheus/ex_targets.json']
remote_write:
- url: "http://influxdb:8086/api/v1/prom/write?db=prometheus&u=admin&p=admin"
remote_read:
- url: "http://influxdb:8086/api/v1/prom/read?db=prometheus&u=admin&p=admin"
```

alertmanager.yml

```
global:
  resolve_timeout: 5m
route:
  receiver: webhook
  group_wait: 10s
  group_interval: 10s
  repeat_interval: 5m
  routes:
    - receiver: webhook
      match_re:
        level: P0
    - receiver: webhookJvm
      repeat_interval: 20m
      match:
        checkType: jvm
    - receiver: webhookJvmNum
      repeat_interval: 20m
      match:
        checkType: jvmNum
    - receiver: webhook
      repeat_interval: 20m
      match_re:
        level: P3
    - receiver: webhook
      repeat_interval: 20m
      match_re:
        level: P2
    - receiver: webhook
      match_re:
        level: P1
receivers:
- name: webhook
  webhook_configs:
    - url: http://dingtalk:8060/dingtalk/webhook2/send
      send_resolved: true
- name: webhookTest
  webhook_configs:
    - url: http://dingtalk:8060/dingtalk/webhook3/send
      send_resolved: false
- name: webhookJvm
  webhook_configs:
    - url: http://dingtalk:8060/dingtalk/webhook5/send
      send_resolved: false
- name: webhookJvmNum
```

```
webhook_configs:
- url: http://dingtalk:8060/dingtalk/webhook6/send
  send_resolved: false
inhibit_rules:
- source_match:    ## 源报警规则
  severity: 'critical'
  target_match:    ## 抑制的报警规则
  severity: 'warning'
  equal: ['checkType']  ## 需要都有相同的标签及值，否则抑制不起作用
```

ding.yml

```
## Request timeout
# timeout: 5s
```

```
## Customizable templates path
templates:
- /etc/prometheus-webhook-dingtalk/templates/default.tmpl
```

```
## You can also override default template using `default_message`
## The following example to use the 'legacy' template from v0.3.0
# default_message:
# title: '{{ template "legacy.title" . }}'
# text: '{{ template "legacy.content" . }}'
```

```
## Targets, previously was known as "profiles"
targets:
```

```
  webhook2:
    # 芬香服务器告警群
    url: https://oapi.dingtalk.com/robot/send?access_token=61e9af8466b046fc5b3bffdd5bbe2e1c3f456d5df8d8396629a5664979422c7
    message:
      title: '{{ template "legacy.title" . }}'
      text: '{{ template "legacy.content" . }}'
  webhook4:
    url: https://oapi.dingtalk.com/robot/send?access_token=2c4c5d8d7c1dfc87236cfddb4919d6d9c4c5f0054959debef1cf980a41844db
    message:
      # Use legacy template
      title: '{{ template "legacy.title" . }}'
      text: '{{ template "legacy.content" . }}'
  webhook5:
    # Jvm模板
    url: https://oapi.dingtalk.com/robot/send?access_token=61e9af8466b046fc5b3bffdd5bbe2e1c3f456d5df8d8396629a5664979422c7
    message:
      title: '{{ template "jvm.title" . }}'
      text: '{{ template "jvm.content" . }}'
  webhook6:
    # Jvm模板换算单位
    url: https://oapi.dingtalk.com/robot/send?access_token=61e9af8466b046fc5b3bffdd5bbe2e1c3f456d5df8d8396629a5664979422c7
    message:
      title: '{{ template "jvmNum.title" . }}'
```

```
    text: '{{ template "jvmNum.content" . }}'  
webhook_legacy:  
  url: https://oapi.dingtalk.com/robot/send?access_token=xxxxxxxxxxxx  
  # Customize template content  
  message:  
    # Use legacy template  
    title: '{{ template "legacy.title" . }}'  
    text: '{{ template "legacy.content" . }}'
```

influx

```
[meta]  
dir = "/var/lib/influxdb/meta"  
  
[data]  
dir = "/var/lib/influxdb/data"  
engine = "tsm1"  
wal-dir = "/var/lib/influxdb/wal"
```