

Alertmanager

- Alertmanager
 - prometheus Alert Rule 설정에 따른 알람 3rd-party Alert 연계 시스템(slack, hipchat, webhook 등)으로 Route 수행
- ICP Alertmanager Config
 - Configuration Block
 - global: global 설정으로 다른 config 설정의 default 값으로 적용

```
global:
  # ResolveTimeout is the time after which an alert is
  # declared resolved
  # if it has not been updated.
  [ resolve_timeout: <duration> | default = 5m ]

  # The default SMTP From header field.
  [ smtp_from: <tmpl_string> ]
  # The default SMTP smarthost used for sending emails.
  [ smtp_smarthost: <string> ]
  # SMTP authentication information.
  [ smtp_auth_username: <string> ]
  [ smtp_auth_password: <secret> ]
  [ smtp_auth_secret: <secret> ]
  [ smtp_auth_identity: <string> ]
  # The default SMTP TLS requirement.
  [ smtp_require_tls: <bool> | default = true ]

  # The API URL to use for Slack notifications.
  [ slack_api_url: <string> ]
  [ victorops_api_key: <string> ]
  [ victorops_api_url: <string> | default =
"https://alert.victorops.com/integrations/generic/20131114/
alert/" ]
  [ pagerduty_url: <string> | default =
"https://events.pagerduty.com/v2/enqueue" ]
  [ opsgenie_api_url: <string> | default =
"https://api.opsgenie.com/" ]
  [ hipchat_url: <string> | default =
"https://api.hipchat.com/" ]
  [ hipchat_auth_token: <secret> ]
```

- templates: notification template 설정

```
# The directory from which notification templates are read.
templates:
- '/etc/alertmanager/template/*.tmpl'

# alerts template examples
alerts.tmpl: |-
    {{ define "__slack_title" }}
    {{ range .Alerts }}[{{ .Labels.severity }}] {{
.Labels.alertname }}{{ end }}
    {{ end }}

    {{ define "__slack_text" }}
    {{range .Alerts}}{{.Annotations.DESRIPTION}}{{ end }}
    {{ end }}

    {{ define "slack.default.title" }}{{ template
"__slack_title" . }}{{ end }}
    {{ define "slack.default.text" }}{{ template
"__slack_text" . }}{{ end }}
```

- route : match 기준에 따른 receiver 대상으로 alert routing 설정

```

route:      # The root node of the routing tree.
  group_by:  # grouping(labelname) similar alerts together
into a single notification
    - alertname
    - instance
    - severity
  group_wait: 30s # How long to initially wait to send a
notification for a group of alerts
  group_interval: 5m # Sending interval of already been sent
notifications
  repeat_interval: 2h # Alert interval of already been sent
successfully for an alert
  receiver: ops-team # A default receiver

routes:      # The child route trees
# All alerts with service=mysql or service=cassandra
# are dispatched to the database pager.
- receiver: 'database-pager'
  group_wait: 10s
  match_re:
    service: mysql|cassandra
  # All alerts with the team=frontend label match this
sub-route.
  # They are grouped by product and environment rather than
cluster
  # and alertname.
- receiver: 'frontend-pager'
  group_by: [product, environment]
  match:
    team: frontend

```

- receivers : 알람 수신 그룹의 receiver 설정

```

receivers:
  - name: 'ops-team-mail'
    email_configs:
      - to: 'SK-CPS@sk.com'

  - name: ops-team
    slack_configs:
      - api_url:
https://hooks.slack.com/services/T7KBA71EG/B97HLPNCZ/F0YipX
P2JbZ1XUHolAsQIQB2
        send_resolved: true

```

- inhibit_rules:

- ICP Alertmanager ConfigMap
 - monitoring-prometheus-alertmanager.yaml

```

apiVersion: v1
data:
  alertmanager.yml: |-
    global:
    templates:
      - /etc/config/*.tmpl
    receivers:
      - name: ops-team
        slack_configs:
          - api_url:
https://hooks.slack.com/services/T7KBA7lEG/B97HLPMCZ/F0YipXP2JbZ
1XUHolasQIQB2
            send_resolved: true
      - name: test-team
        slack_configs:
          - api_url:
https://hooks.slack.com/services/T7KBA7lEG/B97HLPMCZ/F0YipXP2JbZ
1XUHolasQIQB3
            send_resolved: true
    route:
      group_wait: 30s
      group_interval: 5m
      repeat_interval: 2h
      group_by:
        - alertname
        - instance
        - severity
      receiver: ops-team
  alerts.tmpl: |-
    {{ define "__slack_title" }}
    {{ range .Alerts }}[{{ .Labels.severity }}] {{
.Labels.alertname }}{{ end }}
    {{ end }}

    {{ define "__slack_text" }}
    {{range .Alerts}}{{.Annotations.DESCRPTION}}{{ end }}
    {{ end }}

    {{ define "slack.default.title" }}{{ template "__slack_title"
. }}{{ end }}
    {{ define "slack.default.text" }}{{ template "__slack_text" .
}}{{ end }}
kind: ConfigMap
metadata:
  annotations:
    kubect1.kubernetes.io/last-applied-configuration: |

```

```
{"apiVersion":"v1","data":{"alertmanager.yml":"global:\nreceiver  
s:\n  - name: default-receiver\nroute:\n  group_wait: 10s\n  group_interval: 5m\n  receiver: default-receiver\nrepeat_interval:  
3h"},"kind":"ConfigMap","metadata":{"annotations":{},"labels":{"  
app":"monitoring-prometheus","component":"alertmanager"},"name":  
"monitoring-prometheus-alertmanager","namespace":"kube-system"}}  
  creationTimestamp: null  
  labels:  
    app: monitoring-prometheus  
    component: alertmanager  
    name: monitoring-prometheus-alertmanager-test  
  selfLink:  
/api/v1/namespaces/kube-system/configmaps/monitoring-prometheus-
```

alertmanager



kube-config-seo01-zcp-dev.yml



ca-seo01-zcp-dev.pem

data:

ca.crt:

```
LS0tLS1CRUdJTiBDRVJUSUZJQ0FURSB0tLS0tCk1JSUZSVENDQXkyZ0F3SUJBZ0lKQUl3WUtpM3
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```

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