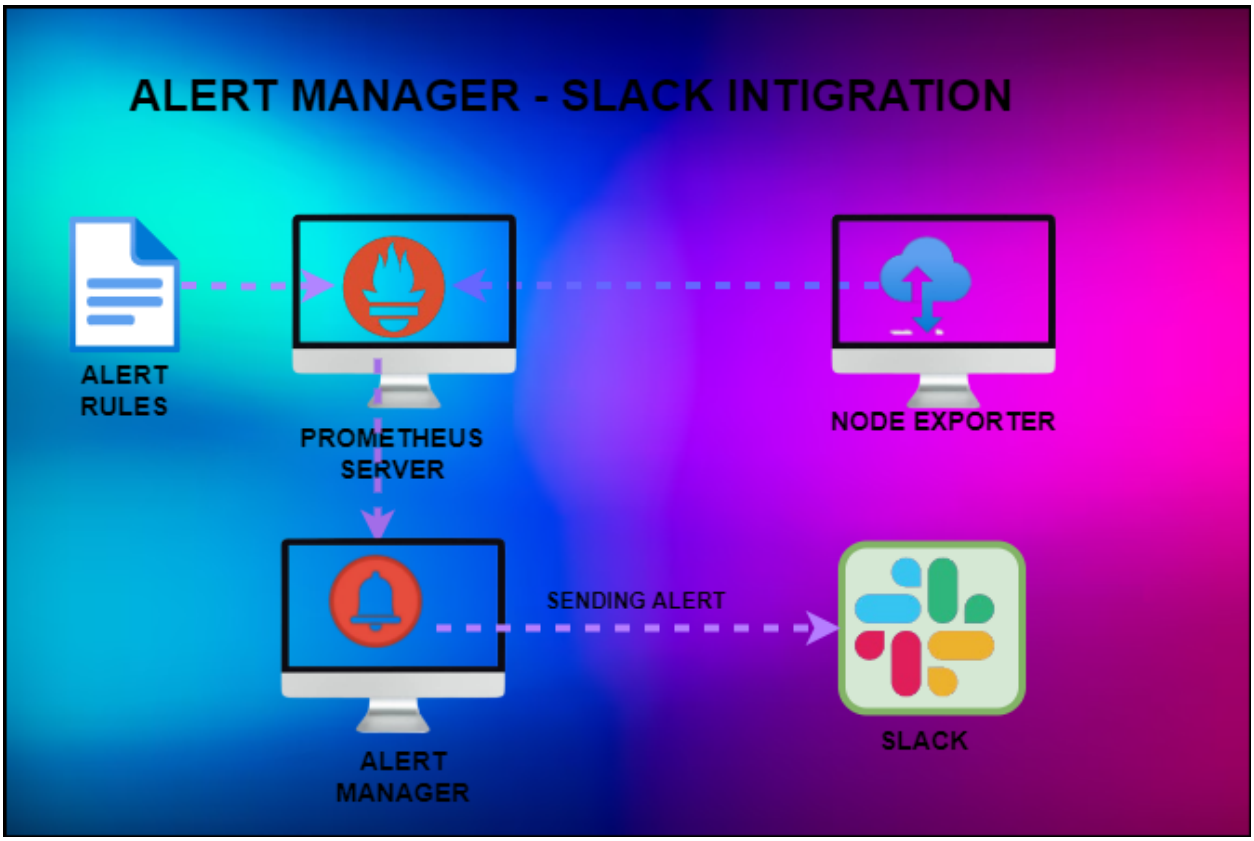
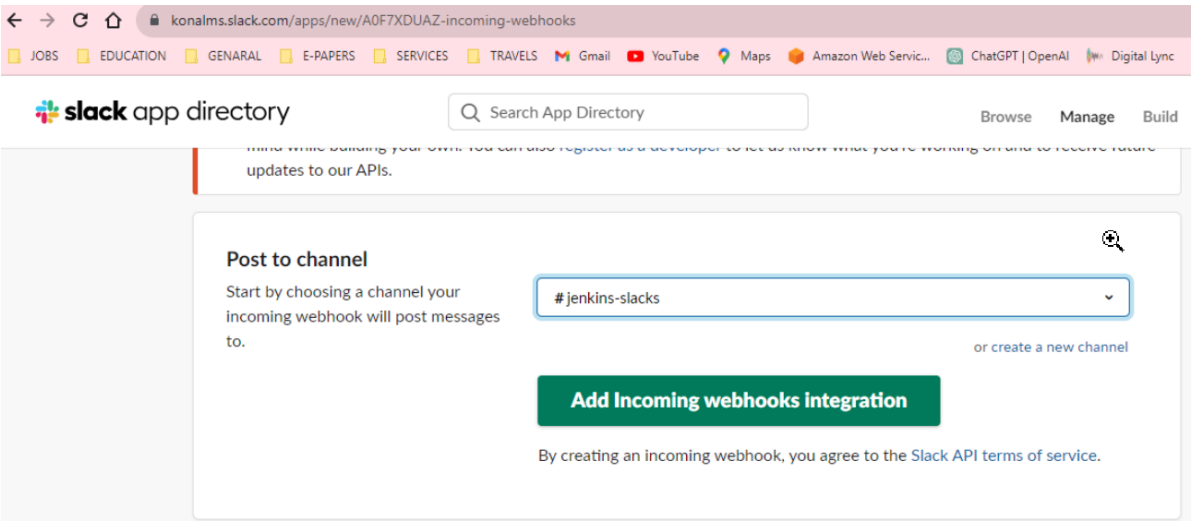
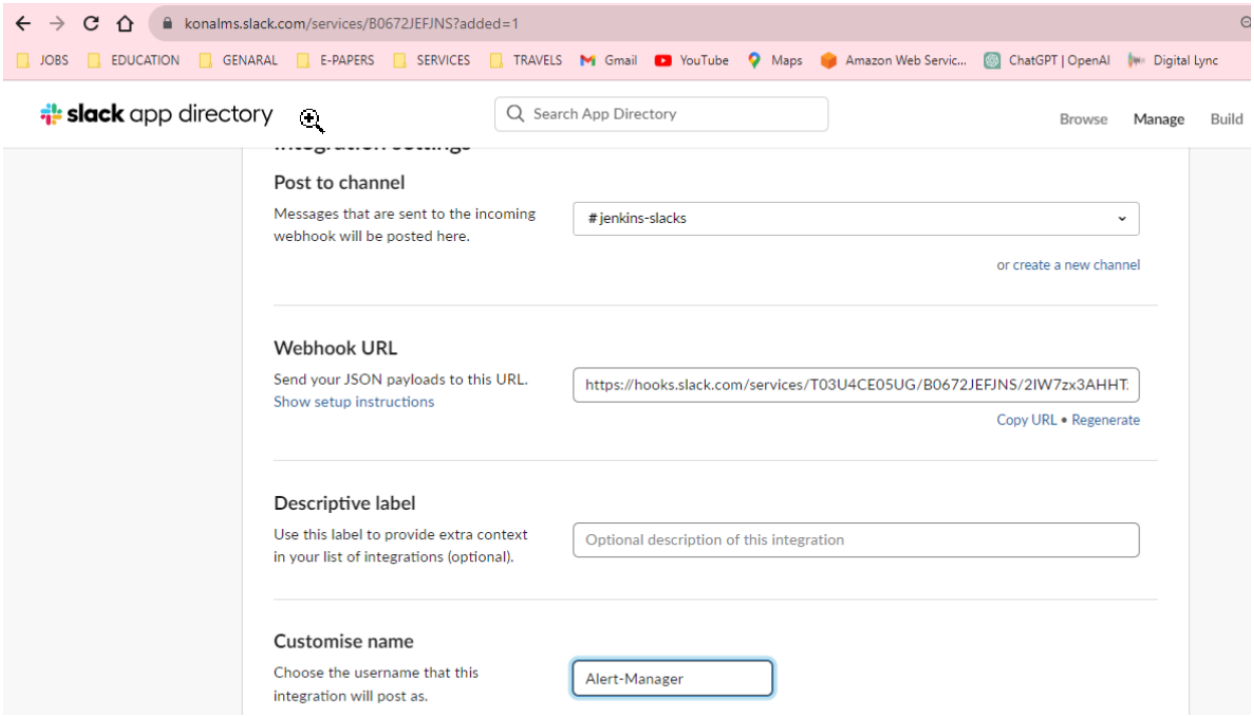
User Stories 8 : Integrate with Slack - Alert Manager



Webhook integration in slack:

- **Webhook:** Incoming-webhook
  - Select channel
  - Add webhook integration
  - Copy webhook url
  -





Config alertmanager to get slack notification:

- Login to alertmanager server
- Edit alertmanager.yml
- Configure receiver details to get slack notification

- cd /usr/local/bin/alertmanager
- vi alertmanager.yml

```
global:
  resolve_timeout: 1m

route:
  group_by: ['alertname']
  group_wait: 10s
  group_interval: 10s
  repeat_interval: 1m
  receiver: 'slack-notifications'
receivers:
- name: 'slack-notifications'
  slack_configs:
  - api_url: "put your slack webhook api here"
        channel: '#slack channel name here'
    send_resolved: true

    icon_url: https://avatars3.githubusercontent.com/u/3380462
    title: |-
      [{{ .Status | toUpper }}{{ if eq .Status "firing" }}:{{ .A
      {{- if gt (len .CommonLabels) (len .GroupLabels) -}}
        {{" "}}(
        {{- with .CommonLabels.Remove .GroupLabels.Names }}
          {{- range $index, $label := .SortedPairs -}}
            {{ if $index }}, {{ end }}
            {{- $label.Name }}="{{ $label.Value -}}"
          {{- end }}
        {{- end -}}
        )
      {{- end }}
    text: >-
      {{ with index .Alerts 0 -}}
        :chart_with_upwards_trend: *<{{ .GeneratorURL }}|Graph>*
```

```
        {{- if .Annotations.runbook }}   :notebook: *<{{ .Annota
      {{ end }}

      *Alert details*:

      {{ range .Alerts -}}
        *Alert:* {{ .Annotations.title }}{{ if .Labels.severity
      *Description:* {{ .Annotations.description }}
      *Details:*
        {{ range .Labels.SortedPairs }} • *{{ .Name }}:* `{{ .Va
        {{ end }}
      {{ end }}

inhibit_rules:
  - source_match:
      severity: 'critical'
    target_match:
      severity: 'warning'
    equal: ['alertname', 'dev', 'instance']
```

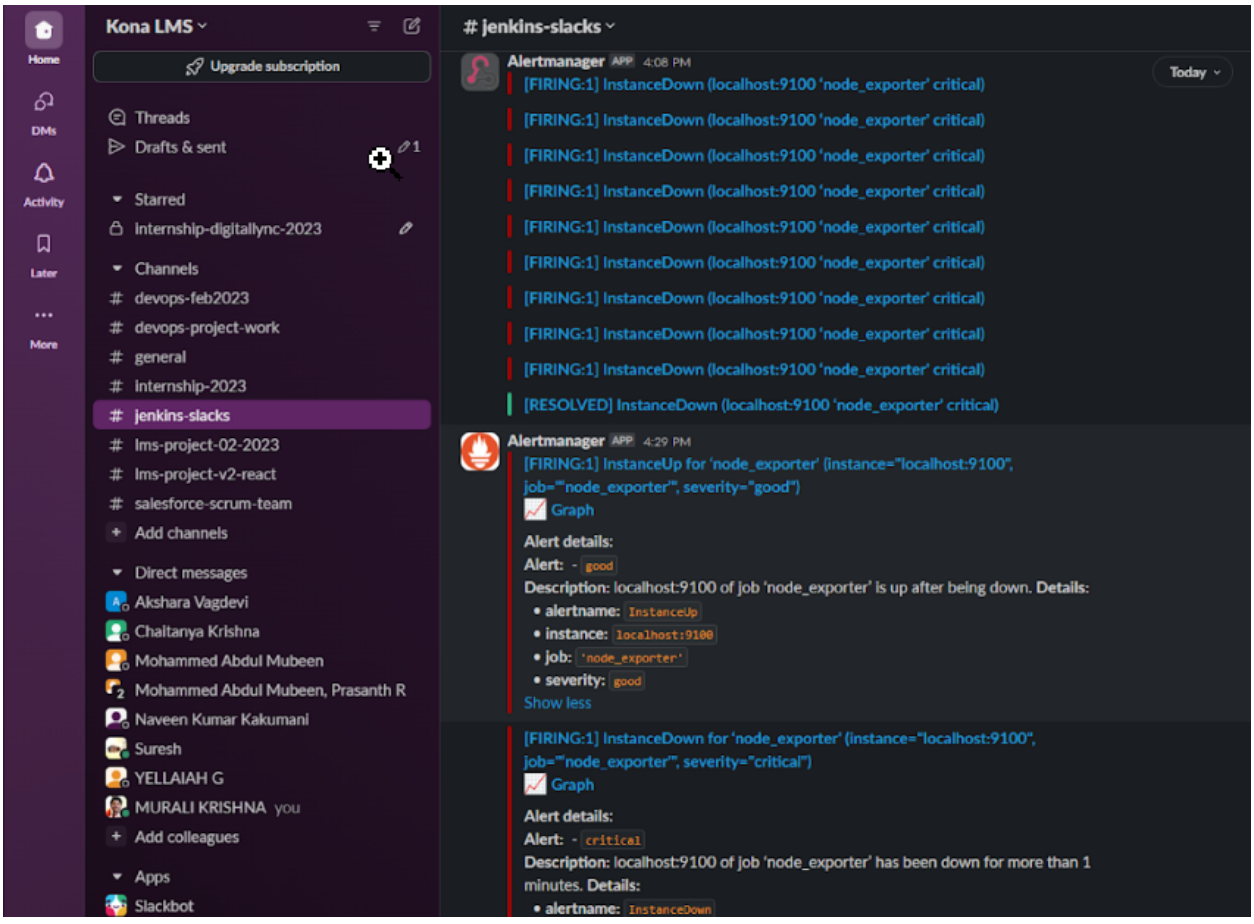
sudo systemctl daemon-reload

sudo service alertmanager restart

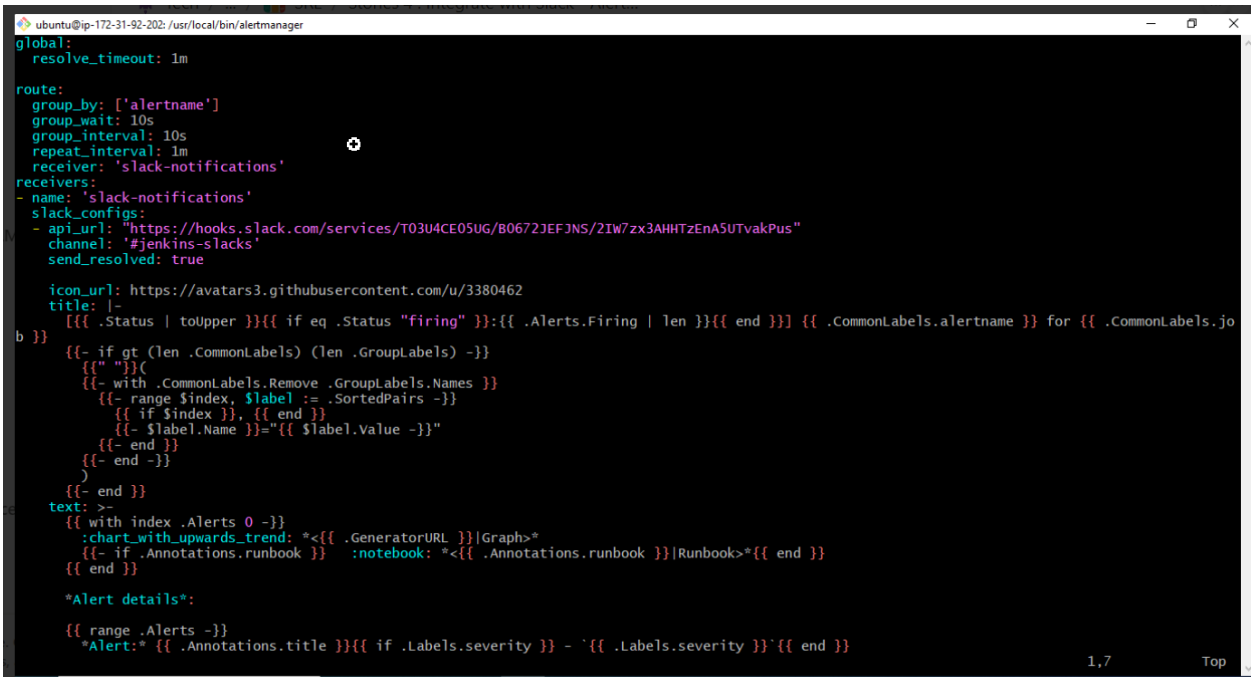
sudo service alertmanager status

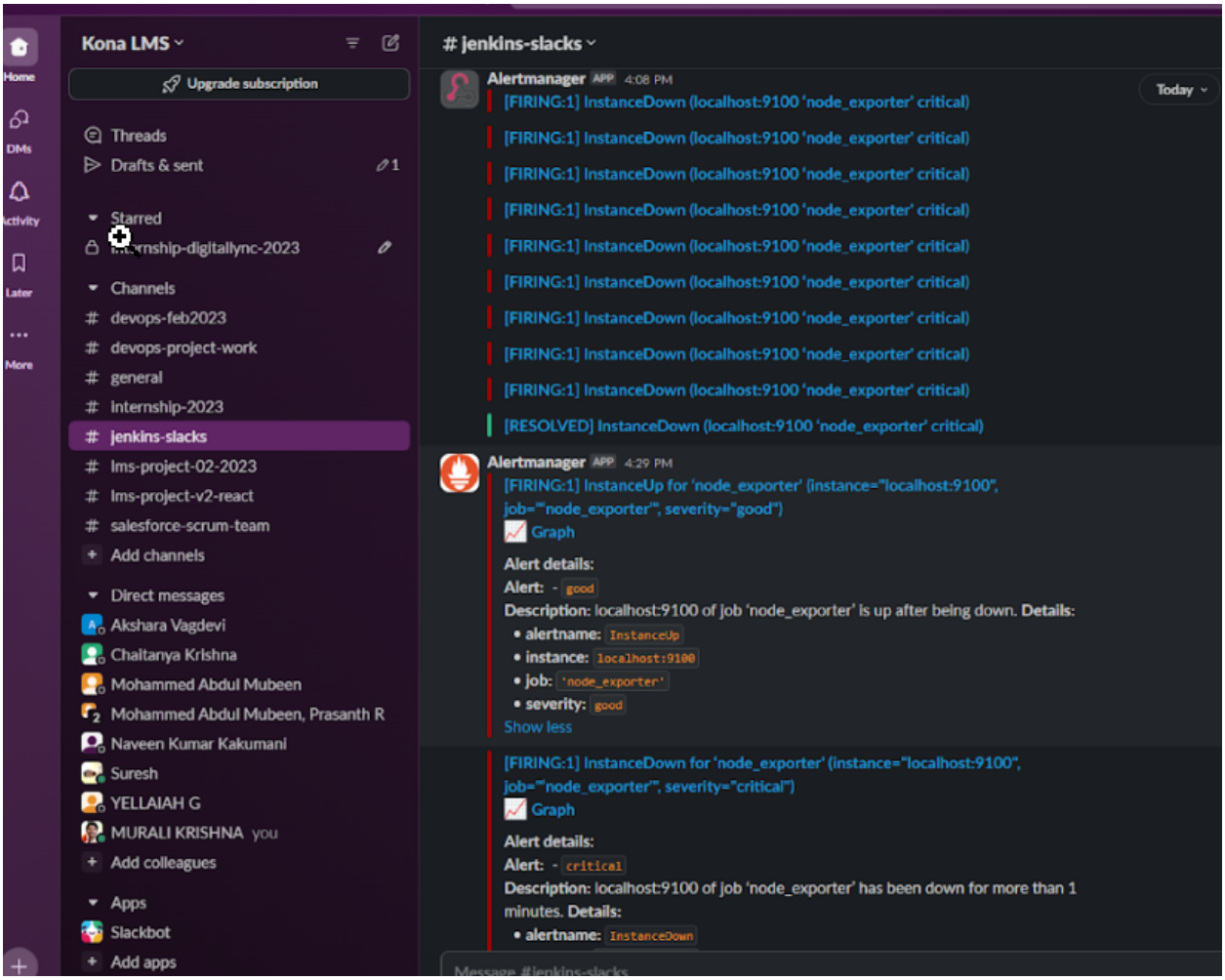
NOTE: GREEN coloured code for getting normal notification

```
ubuntu@ip-172-31-92-202: /usr/local/bin/alertmanager
global:
  resolve_timeout: 1m

route:
  group_by: ['alertname']
  group_wait: 10s
  group_interval: 10s
  repeat_interval: 1m
  receiver: 'slack-notifications'
receivers:
- name: 'slack-notifications'
  slack_configs:
  - api_url: "https://hooks.slack.com/services/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"
    channel: '#jenkins-slacks'
    send_resolved: true

inhibit_rules:
  - source_match:
      severity: 'critical'
    target_match:
      severity: 'warning'
    equal: ['alertname', 'dev', 'instance']
~
```



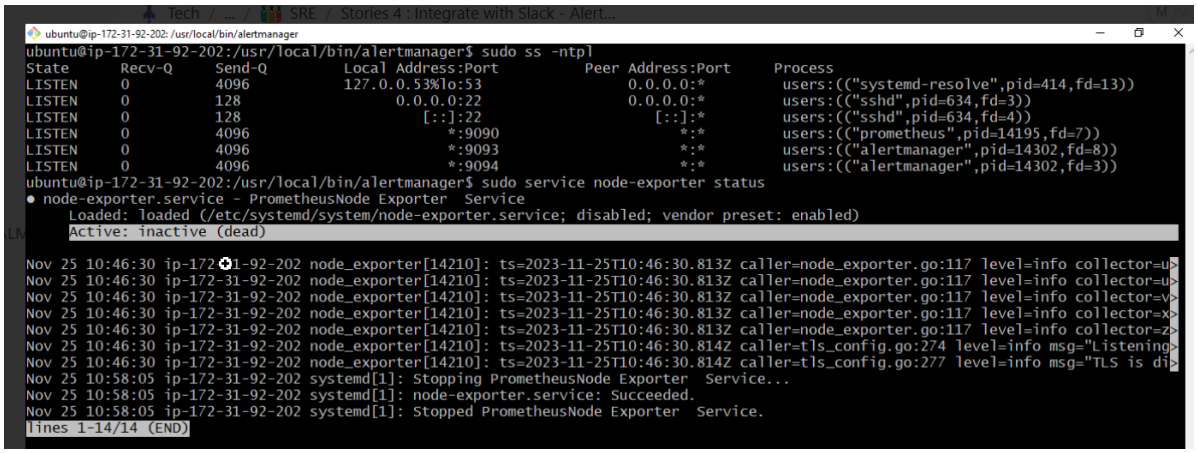
NOTE: BLUE + GREEN coloured code to get detailed notification


ubuntu@ip-172-31-92-202: /usr/local/bin/alertmanager
global:
resolve_timeout: 1m
route:
group_by: ['alertname']
group_wait: 10s
group_interval: 10s
repeat_interval: 1m
receiver: 'slack-notifications'
receivers:
- name: 'slack-notifications'
slack_configs:
- api_url: "https://hooks.slack.com/services/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"
channel: '#jenkins-slacks'
send_resolved: true
icon_url: https://avatars3.githubusercontent.com/u/3380462
title: |-
[{{ .Status | toUpper }}{{ if eq .Status "firing" }}:{{ .Alerts.Firing | len }}{{ end }}] {{ .CommonLabels.alertname }} for {{ .CommonLabels.job }}
{{- if gt (len .CommonLabels) (len .GroupLabels) -}}
{{" "}}(
{{- with .CommonLabels.Remove .GroupLabels.Names }}
{{- range $index, $label := .SortedPairs -}}
{{ if $index }}, {{ end }}
{{- $label.Name }}="{{ $label.Value -}}"
{{- end }}
{{- end -}}
)
{{- end }}
text: >-
{{ with index .Alerts 0 -}}
:chart_with_upwards_trend: *<{{ .GeneratorURL }}|Graph>*
{{- if .Annotations.runbook }} :notebook: *<{{ .Annotations.runbook }}|Runbook>*{{ end }}
{{ end }}
Alert details:
{{ range .Alerts -}}
Alert: {{ .Annotations.title }}{{ if .Labels.severity }} - `{{ .Labels.severity }}`{{ end }}
1,7 Top

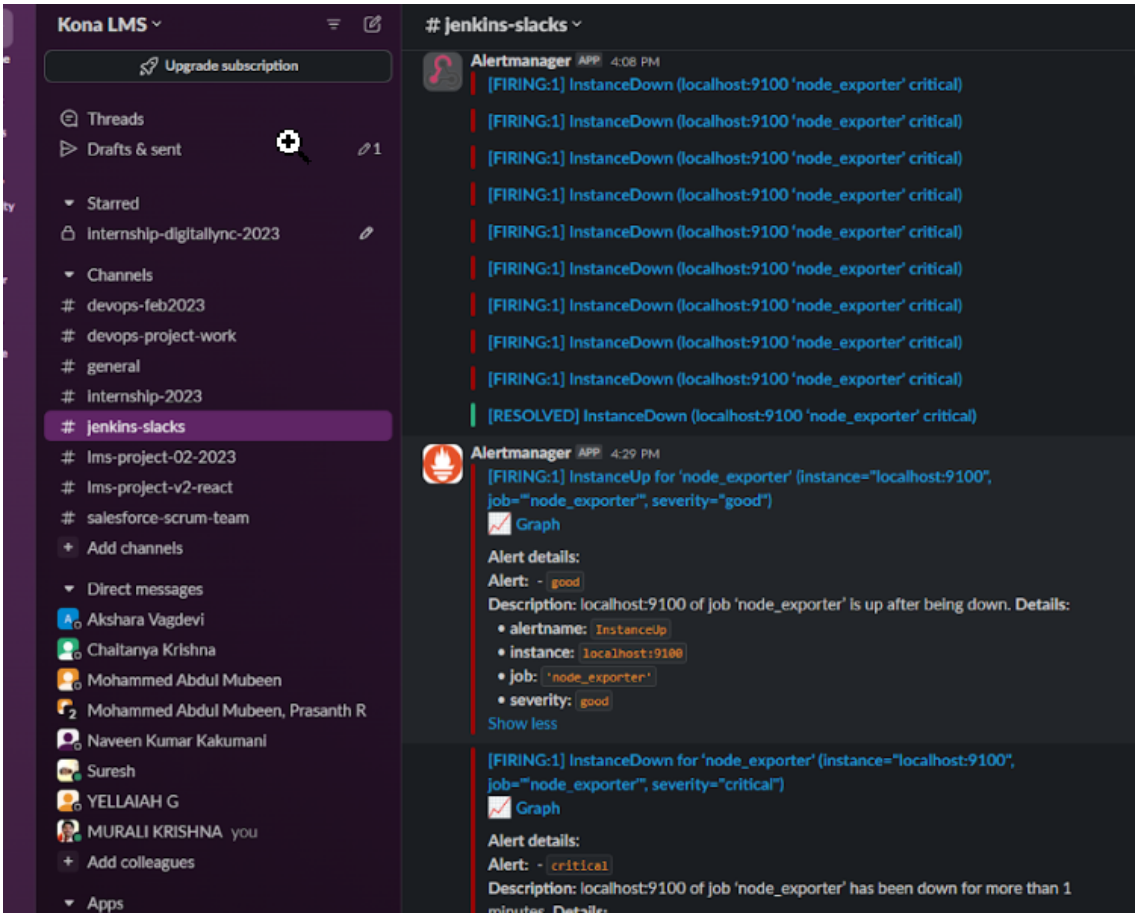

Kona LMS
Upgrade subscription
Threads
Drafts & sent
Starred
Channels
devops-feb2023
devops-project-work
general
Internship-2023
jenkins-slacks
lms-project-02-2023
lms-project-v2-react
salesforce-scrum-team
Add channels
Direct messages
Akshara Vagdevi
Chaitanya Krishna
Mohammed Abdul Mubeen
Mohammed Abdul Mubeen, Prasanth R
Naveen Kumar Kakumani
Suresh
YELLAIAH G
MURALI KRISHNA you
Add colleagues
Apps
Slackbot
Add apps
jenkins-slacks
Today
Alertmanager APP 4:08 PM
[FIRING:1] InstanceDown (localhost:9100 'node_exporter' critical)
[RESOLVED] InstanceDown (localhost:9100 'node_exporter' critical)
Alertmanager APP 4:29 PM
[FIRING:1] InstanceUp for 'node_exporter' (instance="localhost:9100", job="'node_exporter'", severity="good")
Graph
Alert details:
Alert: - good
Description: localhost:9100 of job 'node_exporter' is up after being down. Details:
alertname: InstanceUp
instance: localhost:9100
job: 'node_exporter'
severity: good
Show less
[FIRING:1] InstanceDown for 'node_exporter' (instance="localhost:9100", job="'node_exporter'", severity="critical")
Graph
Alert details:
Alert: - critical
Description: localhost:9100 of job 'node_exporter' has been down for more than 1 minutes. Details:
alertname: InstanceDown

Real time Testing with node-exporter service to get slack notification

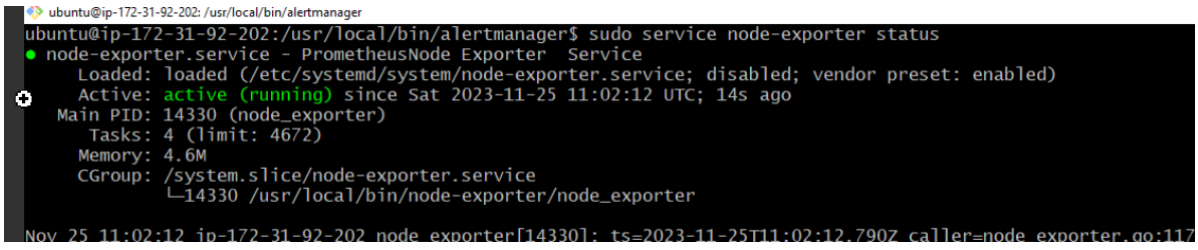
- Down node-exporter server
- Goto your node-exporter server
  - sudo service node-exporter stop
  - sudo service node-exporter status
  -

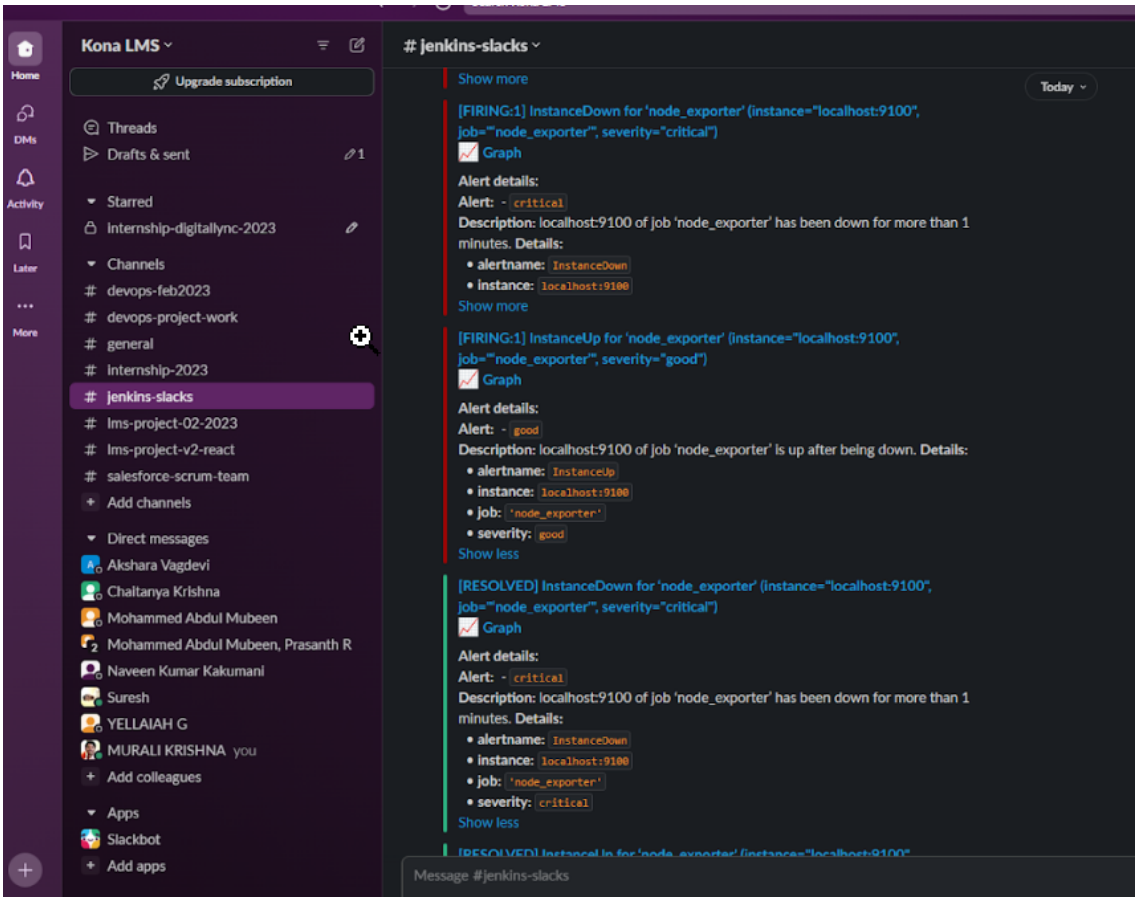


- Goto goto your slack
  - Check your configured channel
    - You will see alert: node-exporter down
    -



- Goto your node-exporter server
  - sudo service node-exporter start
  - sudo service node-exporter status
  -



- Goto goto your slack
  - Check your configured channel
    - You will see alert: node-exporter up

- Issue RESOLVED