I need a script on server ZWEIBTPSWVD003 to go through a list of urls and see if they are accessible or not. Use curl as we might need to pass headers.

The user has sudoers access.Use the below path for creating script and logs.

 [sm\_grafana\_lx\_d001@ZWEIBTPSWVD003 monitoring]$ pwd

/home/sm\_grafana\_lx\_d001/monitoring

**URL Monitor Script:**

#!/bin/bash

# Function to get HTTP status code description

get\_status\_description() {

case $1 in

100) echo "Continue";;

101) echo "Switching Protocols";;

200) echo "OK";;

201) echo "Created";;

202) echo "Accepted";;

300) echo "Multiple Choices";;

301) echo "Moved Permanently";;

302) echo "Found";;

400) echo "Bad Request";;

401) echo "Unauthorized";;

403) echo "Forbidden";;

404) echo "Not Found";;

500) echo "Internal Server Error";;

501) echo "Not Implemented";;

502) echo "Bad Gateway";;

\*) echo "Unknown";;

esac

}

#File containing list of URLs

URL\_FILE="$1"

# Get current timestamp

timestamp=$(date +"%Y-%m-%d %H:%M:%S")

# Loop through each URL in the file

while IFS= read -r url; do

# Use curl to make a HEAD request and check the response

if response=$(curl --write-out "%{http\_code}" --output /dev/null --silent --head --fail "$url"); then

echo "$timestamp - $url is accessible (Status Code: $response - $(get\_status\_description $response))"

else

echo "$timestamp - $url is not accessible (Status Code: $response - $(get\_status\_description $response))"

fi

done < "$URL\_FILE" > /tmp/test/urlstatus.log

**Log path:**

/tmp/test/urlstatus.log

**Cron:**

**Grafana-agent File:**

**Alert-Queries:**

1.count(rate({filename="/tmp/test/urlstatus.log"} |= `Status Code: 404 ` [1m]))

2.count(rate({filename="/tmp/test/urlstatus.log"} |= `Status Code: 403 ` [10m]))

3.count(rate({filename="/tmp/test/urlstatus.log"} |= `Status Code: 403` [10m])) + count(rate({filename="/tmp/test/urlstatus.log"} |= `Status Code: 404` [10m]))

sum by(status\_code)(count\_over\_time({filename="/tmp/test/urlstatus.log"}  | pattern `<date> <time> <s\_ip> <app\_url> <app\_accessible> <status\_code\_label> <status\_code> <cs\_username> <desc> <cs\_User\_Agent> <Agent> <x>` | status\_code != 200 [10m]))

Non 200 non 300:

sum by(status\_code)(

  count\_over\_time({filename="/tmp/test/urlstatus.log"} | pattern `<date> <time> <s\_ip> <app\_url> <app\_accessible> <status\_code\_label> <status\_code> <cs\_username> <desc> <cs\_User\_Agent> <Agent> <x>` | status\_code != 200 and status\_code != 301 and status\_code != 302 [10m])

)

sum by(app\_url,status\_code)(

  count\_over\_time({filename="/tmp/test/urlstatus.log"} | pattern `<date> <time> <s\_ip> <app\_url> <app\_accessible> <status\_code\_label> <status\_code> <cs\_username> <desc> <cs\_User\_Agent> <Agent> <x>` | status\_code != 200 and status\_code != 301 and status\_code != 302 and status\_code != 000 [10m])

)

All Codes:

sum by(app\_url, status\_code)(count\_over\_time({filename="/tmp/test/urlstatus.log"}  | pattern `<date> <time> <s\_ip> <app\_url> <app\_accessible> <status\_code\_label> <status\_code> <cs\_username> <desc> <cs\_User\_Agent> <Agent> <x>` | status\_code != 200 [$\_\_auto]))