HDFS Folder monitoring alert rule updation

Checkout the script

Clone the git repository : https://bitbucket.org/argoid_ai/argoid-infra-configs.git

checkout the dev branch

Go to **hdfs_rules_generate_script** directory

Update the config file:

Provide the hdfs paths and folder updation timeout in the config file as shown bellow.

Ex:

hdfspaths.csv

```
/data/azadea/prod/ingestion/entities/product/version=1,6
/data/azadea/prod/snapshots/product/version=1/historical,6
/data/azadea/prod/batch_recommendations/trending_products/version=1,24
/data/azadea/prod/batch_recommendations/ymal
/lightfm_filtered_by_max_occurance/version=1,24
/data/azadea/prod/journal/events/events_stream/version=2,24
```

Rule template file example

```
  - alert: $env WARNING No HDFS writes under following azadea
$hdfs_path HDFS  directory from past $hours hours
  expr:  rate(node_hdfs_directory_size_bytes{directory="$hdfs_path"}
[${hours}h]) * 1000 <= 10
  for: 10m
  labels:
    severity: "warning"
  annotations:
    summary: "Grafana URL http://10.0.0.15:3000/d/WzzNsVAGjk/hdfs-
folder-monitoring?panelId=19&fullscreen&orgId=1"

- alert: $env WARNING No HDFS writes under following azadea $hdfs_path
HDFS  directory from past $critical_hours hours
  expr:  rate(node_hdfs_directory_size_bytes{directory="$hdfs_path"}
[${critical_hours}h]) * 1000 <= 10
  for: 10m
  labels:
    severity: "critical"
  annotations:
    summary: "Grafana URL http://10.0.0.15:3000/d/WzzNsVAGjk/hdfs-
folder-monitoring?panelId=19&fullscreen&orgId=1"
```

Edit the file if required.

Execute rule generation script

```
python3  generate_prom_rules_file.py -i <configfile> -o
<rules_output_file> -e <enveronment> -t <rule_templet_file>
```

Ex:

python3 generate_prom_rules_file.py -i hdfspaths.csv -o az_rules.yml -e PROD -t rules_template.txt

Update the rules in prometheus

clone the git repository bitbucket.org/argoid_ai/argoid-infra-alerts.git

checkout the 'dev' branch

copy the generated rules file to /saas-prod1-monitoring/prometheus/rules in the above repository

commit and push the changes.

Run the Jenkins job to deploy the changes

To apply these rules run the following Jenkins job

https://1.infra.argoid.com:8443/view/Argoid-SaaS-Prod1/job/saas-prod-alert-rules-deployment/