Getting Issue History

Getting Issue History based on specific timeframe

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Getting Issue History of specific timeframe

This small tool was made to get the number of RESOLVED, RESOLVED_EXTERNAL and EJECTED automation issues and their histories in a specific timeframe.

e.g. you want to know how many issues got ejected in the week from August 17th to August 24th and what exactly happened to them

Make sure you have the JSON-tool jq installed. It is part of the epel-release repo. **'yum install jq'**

Providing information in config-file

After extracting GetIssueHistory.tgz to /root on the ConnectIT or GraphIT node you need to provide some data in the config-file to make DB access available.

```
#details to get a valid token
CLIENT_KEY="Ql                        ?Kqka"
CLIENT_SECRET="Gxz                        WMa"

#IPs to get token and database access
WSO2_IP=ec2-                    .amazonaws.com
DB_IP=ec2-                      .amazonaws.com

#where to store the output
filepath="/root/IssueHistory"

#timestamps of start and end (e.g. monday 0:00 - sunday 23:59)
start_time=1502668801000
end_time=1503273599000
```

You can get your client_key and client_secret from a WSO2 service provider which is allowed to have access to GraphDB (e.g. ConnectIT). You can find it in WSO2:

Service Providers -> List -> Edit -> Inbound Authentication Configuration -> OAuth / OpenID Connect Configuration

OAuth/OpenID Connect Configuration			✓
OAuth Client Key	**OAuth Client Secret**	**Actions**	
XCpfl TOP SECRET Cw8KiQa	•••••••••••••••••••••• Show	Edit Delete	
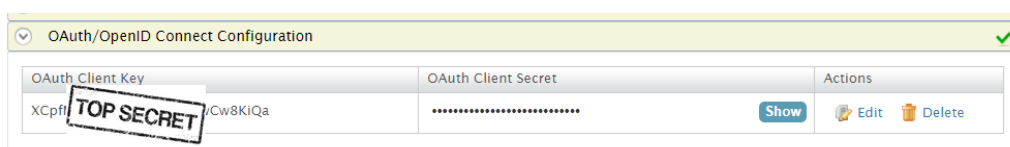
Make sure you provide the correct IPs of your WSO2 and GraphIT instance.

Set the filepath wherever you want to store the output

To get the correct timestamps you can use https://www.epochconverter.com/
(make sure you use the timestamp in miliseconds):

Yr ⚙	Mon	Day	Hr	Min	Sec		
2017	- 8	- 17	0	: 0	: 01	GMT ⬍	Human date to Timestamp

Epoch timestamp: 1502928001
Timestamp in milliseconds: 1502928001000
Human time (GMT): Thursday, 17 August 2017 00:00:01
Human time (your time zone): Thursday, 17 August 2017 02:00:01 GMT+02:00

Run the script and see results

After providing the information in the config you are ready to run *getIssueHistory.sh*

```
[root@            IssueHistory]# ./getIssueHistory.sh
 27 issues got RESOLVED
 18 issues got RESOLVED_EXTERNAL
 3 issues got EJECTED
 RESOLVED Issue 27/27
 RESOLVED_EXTERNAL Issue 18/18
 EJECTED Issue 3/3
```

You can find the issue history in the subdirectory *History* of your provided filepath.

```
[root@              History]# cat cj6h8lmr5cl0b5o30z1vv5aws
{
    "ogit/Automation/affectedNodeId": "              :Machine:              .compute-1.amazonaws.com",
    "ogit/Automation/command": "Internal",
    "ogit/Automation/knowledgeItemId": "Engine",
    "ogit/Automation/logLevel": "2",
    "ogit/_created-on": 1503022184385,
    "ogit/_creator": "arago.co",
    "ogit/_creator-app": "AutoPilot Engine",
    "ogit/_custom-id": "4ca4c30a-b16f-442b-8989-b645badcd153",
    "ogit/_graphtype": "vertex",
    "ogit/_id": "4ca4c30a-b16f-442b-8989-b645badcd153",
    "ogit/_is-deleted": false,
    "ogit/_modified-by": "arago.co",
    "ogit/_modified-by-app": "AutoPilot Engine",
    "ogit/_modified-on": 1503022184385,
    "ogit/_owner": "test",
    "ogit/_type": "ogit/Automation/History",
    "ogit/_v": 1,
    "ogit/_version": "2.19.0.57",
    "ogit/message": "issue created",
    "ogit/timestamp": "1503022183067"
}
{
    "ogit/Automation/affectedNodeId": "              :Machine:              .compute-1.amazonaws.com",
    "ogit/Automation/command": "VarAdd",
    "ogit/Automation/knowledgeItemId": "310fedef-7e3c-bb13-4a65-676ec76ca0c2",
    "ogit/Automation/logLevel": "3",
```