

LLAP Testing

Issue: **QUERY_SUBMITTED** entry comes under the **events_0_eventtype_s** column in **application_stats_query_CL** table, which should not come. Instead of **QUERY_SUBMITTED** **QUERY_COMPLETED** should be there.

Testing the bug

Around 600 queries were run to regenerate the bug.

After running the queries we found around 12 results containing the bug. (i.e **QUERY_SUBMITTED** entry comes under the **events_0_eventtype_s**)

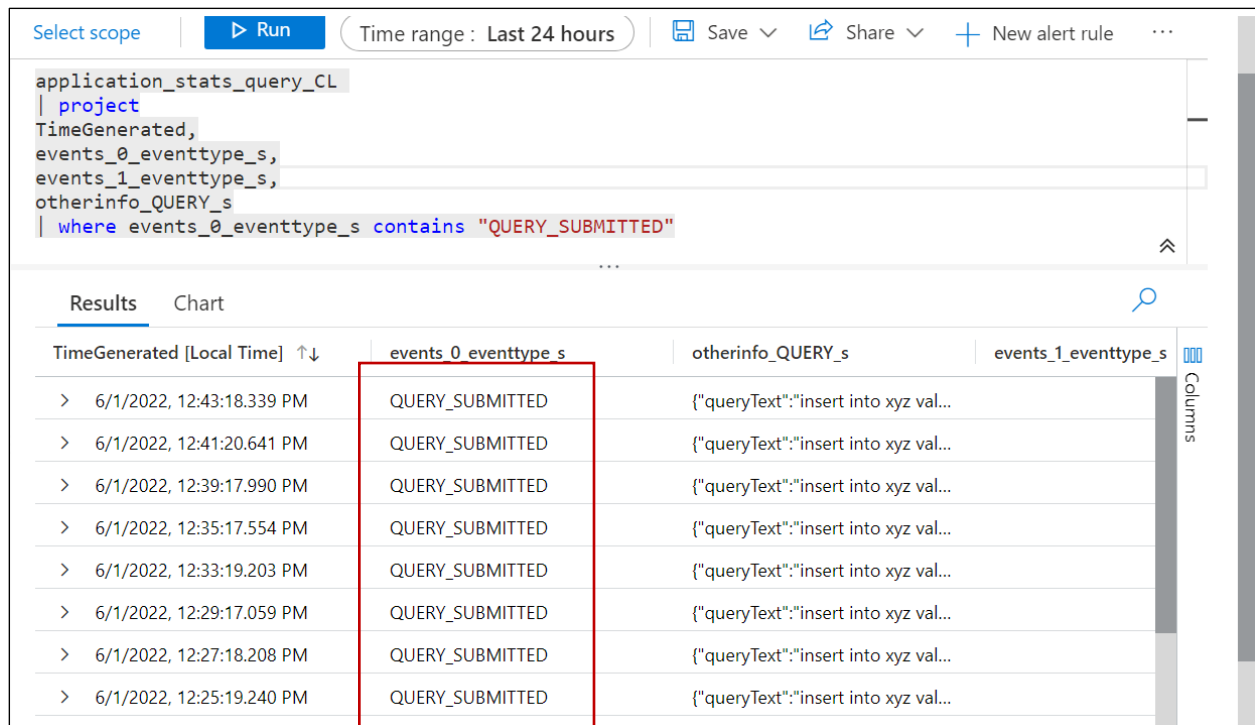
QUERY

application_stats_query_CL

| project

TimeGenerated, events_0_eventtype_s, events_1_eventtype_s, otherinfo_QUERY_s

| where events_0_eventtype_s contains "QUERY_SUBMITTED"



Select scope | **Run** | Time range : Last 24 hours | Save | Share | New alert rule

```
application_stats_query_CL
| project
TimeGenerated,
events_0_eventtype_s,
events_1_eventtype_s,
otherinfo_QUERY_s
| where events_0_eventtype_s contains "QUERY_SUBMITTED"
```

Results | Chart

TimeGenerated [Local Time] ↑↓	events_0_eventtype_s	otherinfo_QUERY_s	events_1_eventtype_s
> 6/1/2022, 12:43:18.339 PM	QUERY_SUBMITTED	{"queryText":"insert into xyz val..."}	
> 6/1/2022, 12:41:20.641 PM	QUERY_SUBMITTED	{"queryText":"insert into xyz val..."}	
> 6/1/2022, 12:39:17.990 PM	QUERY_SUBMITTED	{"queryText":"insert into xyz val..."}	
> 6/1/2022, 12:35:17.554 PM	QUERY_SUBMITTED	{"queryText":"insert into xyz val..."}	
> 6/1/2022, 12:33:19.203 PM	QUERY_SUBMITTED	{"queryText":"insert into xyz val..."}	
> 6/1/2022, 12:29:17.059 PM	QUERY_SUBMITTED	{"queryText":"insert into xyz val..."}	
> 6/1/2022, 12:27:18.208 PM	QUERY_SUBMITTED	{"queryText":"insert into xyz val..."}	
> 6/1/2022, 12:25:19.240 PM	QUERY_SUBMITTED	{"queryText":"insert into xyz val..."}	

Resolution using patch

Patch Link : https://hdiconfigactions.blob.core.windows.net/log-analytics-patch/hive-rest-api-patch/ats_query_info_patch.sh

- Patch is run using script action in the same cluster named **llaptestCluster**
- Patch is run at **01:40 PM Local Time**
- As you can see in the below script action history that a script named **llappatch** is run for the head nodes.

Name	Roles
HDI_MONITORING_INSTALL_ce6570	Head, Worker, Zookeeper
llappatch	Head

Status	Name	Date	Context
✓	llappatch	6/1/2022	Submitted by user
✓	HDI_MONITORING_INSTALL_ce6570	6/1/2022	Submitted by user

Name
llappatch

Name
HDI_MONITORING_INSTALL_ce6570
llappatch

Status	Name
✓	llappatch
✓	HDI_MONITORING_INSTALL_ce6570

Name
llappatch

URI
https://hdiconfigactions.blob.core.windows.net/log-analytics-patch/hive-rest-api-patch/ats_query_info_patch.sh

Roles
Head

Status
Succeeded

Debug information
{ "href": "http://hn0-llapte.f44mmwec0q5exncltadee1aud.bx.internal.cloudapp.net:8080/api/v1/clusters/llapte/tasks", [{ "href": "http://hn0-llapte.f44mmwec0q5exncltadee1aud.bx.internal.cloudapp.net:8080/api/v1/clusters/llapte/tasks", [{ "attempt_cnt": 1, "command": "ACTIONEXECUTE", "command_detail": "run_customscriptaction ACTIONEXECUTE", "end_time": 1654068737342, "error_log":

Re-testing the bug

The same 600 queries are run again after applying the patch to check if the bug reproduces.

If a bug reproduces its time generation must be after 1:20 PM local time, since that is the time at which patch was run using script action.

QUERY

application_stats_query_CL

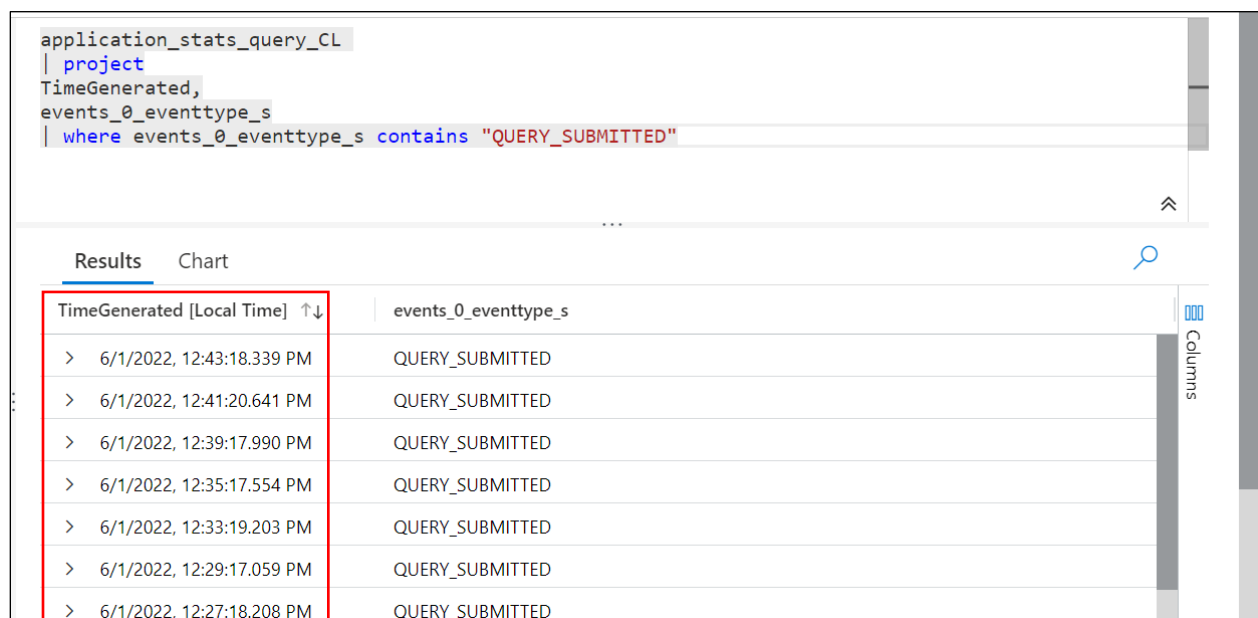
/ project

TimeGenerated,

events_0_eventtype_s

/ where events_0_eventtype_s contains "QUERY_SUBMITTED"

This Query was run at 2:00 PM to check.



```
application_stats_query_CL
| project
TimeGenerated,
events_0_eventtype_s
| where events_0_eventtype_s contains "QUERY_SUBMITTED"
```

TimeGenerated [Local Time] ↑↓	events_0_eventtype_s
> 6/1/2022, 12:43:18.339 PM	QUERY_SUBMITTED
> 6/1/2022, 12:41:20.641 PM	QUERY_SUBMITTED
> 6/1/2022, 12:39:17.990 PM	QUERY_SUBMITTED
> 6/1/2022, 12:35:17.554 PM	QUERY_SUBMITTED
> 6/1/2022, 12:33:19.203 PM	QUERY_SUBMITTED
> 6/1/2022, 12:29:17.059 PM	QUERY_SUBMITTED
> 6/1/2022, 12:27:18.208 PM	QUERY_SUBMITTED

As we can see the last **TimeGenerated** of the bug is 12:43 PM.

Count of bugs after patch

application_stats_query_CL	
project	
TimeGenerated,	
events_0_eventtype_s	
where TimeGenerated <= datetime(2022-05-06 02:00:00PM)	
where events_0_eventtype_s contains "QUERY_SUBMITTED"	
count	
...	
Results	Chart
Count	
> 0	

Count of bugs before Patch

application_stats_query_CL	
project	
TimeGenerated,	
events_0_eventtype_s	
where TimeGenerated >= datetime(2022-05-06 02:00:00PM)	
where events_0_eventtype_s contains "QUERY_SUBMITTED"	
count	
...	
Results	Chart
Count	
▼ 12	
Count	12

QUERY

application_stats_query_CL

| project

```
TimeGenerated,  
events_0_eventtype_s  
| where TimeGenerated >= datetime(2022-05-06 02:00:00PM)  
| where events_0_eventtype_s contains "QUERY_SUBMITTED"  
| count
```

Hence After applying the patch the issue was solved.