

## Feature: Search History:

This feature stores the searched keyword and their result into a cache, so that if user tries to search the same keyword next time then it will give the result from cache rather than searching it again in the dlt table.

The screenshot displays the DLT Viewer application interface. The main window shows a list of data points with columns: Index, Time, Timestamp, Count, Ecid, Apid, Ctid, Iessionid, Type, Subtype, Mode, #Args, and Payload. A search bar at the top right contains the text 'browser'. Below the main list, a 'Search Results' section shows a filtered view of the data, with the search term 'browser' entered in the search bar. The search results list includes entries with timestamps and payloads related to 'browser'.

Index	Time	Timestamp	Count	Ecid	Apid	Ctid	Iessionid	Type	Subtype	Mode	#Args	Payload
0	2015/11/16 15:29:10.813597	19717.1220	0	ECU	APP	CON	0	control	request	non...	0	[set_default_log_level] 06 72 65 6d 6f
1	2015/11/16 15:29:10.816096	19717.1220	0	ECU	APP	CON	0	control	request	non...	0	[set_default_trace_status] 01 72 65 6d 6f
2	2015/11/16 15:29:10.817346	19717.1220	0	ECU	APP	CON	0	control	request	non...	0	[set_verbose_mode] 01
3	2015/11/16 15:29:10.818595	19717.1220	0	ECU	APP	CON	0	control	request	non...	0	[set_timing_packets] 00
4	2015/11/16 15:29:10.846084	43.8686	0	ECU	DA1	DC1	0	control	respo...	non...	0	[connection_info ok] connected
5	2015/11/16 15:29:10.846084	8.9326	0	ECU	DLTD	INTM	2202	log	info	ver...	1	Daemon launched. Starting to output traces.
6	2015/11/16 15:29:10.846084	8.9333	1	ECU	DLTD	INTM	2202	log	info	ver...	1	ApplicationID 'SKP' registered for PID 1229, Description=KeyProvider App
7	2015/11/16 15:29:10.846084	8.9333	2	ECU	DLTD	INTM	2202	log	info	ver...	1	ContextID '020' registered for ApplicationID 'SKP', Description=KeyProvide
8	2015/11/16 15:29:10.846084	8.9370	0	ECU	DA1	DC1	0	control	respo...	non...	0	[get_log_info 7] 01 00 53 4b 50 00 01 00 30 32 44 00 ff ff 0b 00 4b 65 79
9	2015/11/16 15:29:10.846084	8.9370	3	ECU	DLTD	INTM	2202	log	info	ver...	1	ContextID 'PCL' registered for ApplicationID 'SKP', Description=Context for
10	2015/11/16 15:29:10.846084	8.9370	0	ECU	DA1	DC1	0	control	respo...	non...	0	[get_log_info 7] 01 00 53 4b 50 00 01 00 50 43 4c 00 ff ff 2e 00 43 6f 6e
11	2015/11/16 15:29:10.846084	3.8866	0	ECU	SKP	PCL	1229	log	info	ver...	8	pclntLibrary => Application: keyprovider Shutdown Mode: 1 Init Counter: 1
12	2015/11/16 15:29:10.846084	8.9371	4	ECU	DLTD	INTM	2202	log	info	ver...	1	ContextID 'PCOM' registered for ApplicationID 'SKP', Description=Persisten
13	2015/11/16 15:29:10.846084	8.9372	0	ECU	DA1	DC1	0	control	respo...	non...	0	[get_log_info 7] 01 00 53 4b 50 00 01 00 50 43 4f 4d ff ff 1c 00 50 65 72
14	2015/11/16 15:29:10.846084	3.9871	0	ECU	SKP	PCOM	1229	log	info	ver...	2	COMMON_PC => Successfully connected to D-Bus.
15	2015/11/16 15:29:10.846084	3.9996	1	ECU	SKP	PCOM	1229	log	info	ver...	2	COMMON_PC => Successfully exported object for org.genivi.persistence
16	2015/11/16 15:29:10.846084	3.9999	2	ECU	SKP	PCOM	1229	log	info	ver...	2	COMMON_PC => Successfully exported object for org.genivi.persistence
17	2015/11/16 15:29:10.846084	4.0001	3	ECU	SKP	PCOM	1229	log	info	ver...	2	COMMON_PC => Successfully exported object for org.genivi.persistence
18	2015/11/16 15:29:10.846084	4.0019	4	ECU	SKP	PCOM	1229	log	info	ver...	3	COMMON_PC => Successfully obtained unique bus name: 1.20
19	2015/11/16 15:29:10.846084	4.0162	5	ECU	SKP	PCOM	1229	log	info	ver...	2	COMMON_PC => Sent RegisterPersAdminNotification async request.
20	2015/11/16 15:29:10.846084	4.0308	6	ECU	SKP	PCOM	1229	log	info	ver...	3	COMMON_PC => D-Bus RegisterPersAdminNotification call returned output
21	2015/11/16 15:29:10.846084	4.0312	1	ECU	SKP	PCL	1229	log	info	ver...	1	pclntLibrary => Successfully established IPC protocol for PCL
22	2015/11/16 15:29:10.846084	4.0315	2	ECU	SKP	PCL	1229	log	info	ver...	1	pclntLibrary => NSM registration thread started...
23	2015/11/16 15:29:10.846084	4.0318	7	ECU	SKP	PCOM	1229	log	info	ver...	3	COMMON_PC => D-Bus unique name: 1.20

Search Results

Index	Time	Timestamp	Ecid	Apid	Ctid	Payload
17605	2015/11/16 15:29:15.792605	40.8960	ECU1	SYS	KMSG	[ 40.426391] systemd[]: Starting Web Browser Factory...
18287	2015/11/16 15:29:16.007519	42.0179	ECU1	NHM	016	NHM: Systemd service added. Name: recovery@ovip-sys-brw-webbrowser3.service
18288	2015/11/16 15:29:16.007519	42.0189	ECU1	NHM	016	NHM: Systemd service added. Name: ovip-sys-brw-webbrowser.service
19532	2015/11/16 15:29:16.297403	43.6588	ECU1	DLTD	INTM	ApplicationID 'BRWF' registered for PID 2490, Description=Browser application
19533	2015/11/16 15:29:16.297403	43.6592	ECU1	DLTD	INTM	ContextID '407' registered for ApplicationID 'BRWF', Description=Browser Factory
20975	2015/11/16 15:29:17.600631	43.8205	ECU1	SYS	KMSG	[ 43.818179] systemd[]: Started Web Browser Factory.
21378	2015/11/16 15:29:17.735577	44.0856	ECU1	BRWF	407	0 CBrowserFactory: 24 CBrowserFactory 106 brw mem alloc block start 1050948192

D:/OvipRbt#44059\_New\_logs.dlt: Version: <unknown> Recv: 0 Recv Errors: 0 Sync found: 0

Fig. 1

In fig 1 user searched the string browser then the results were saved in Qcache and the keyword browser was entered to the history list.

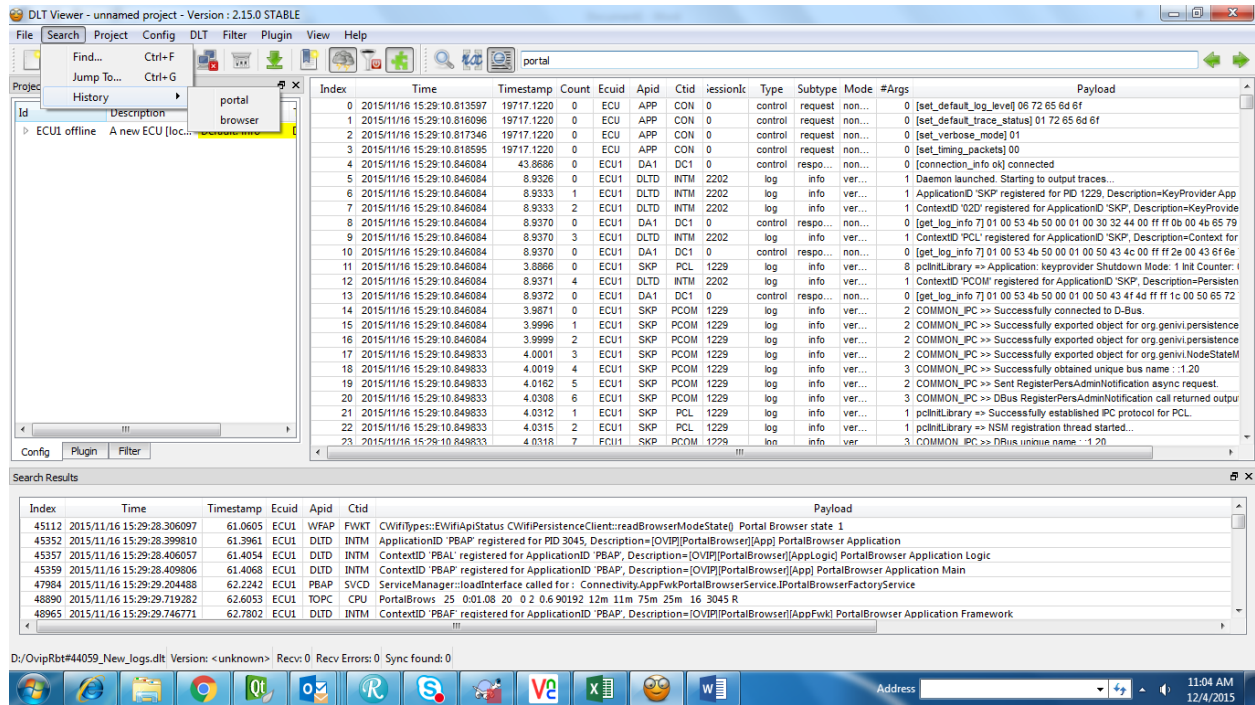


Fig. 2

In Fig 2. Another string is searched and it also get added to the list. According to the implementation the history menu will store upto a max of 20 searched histories.

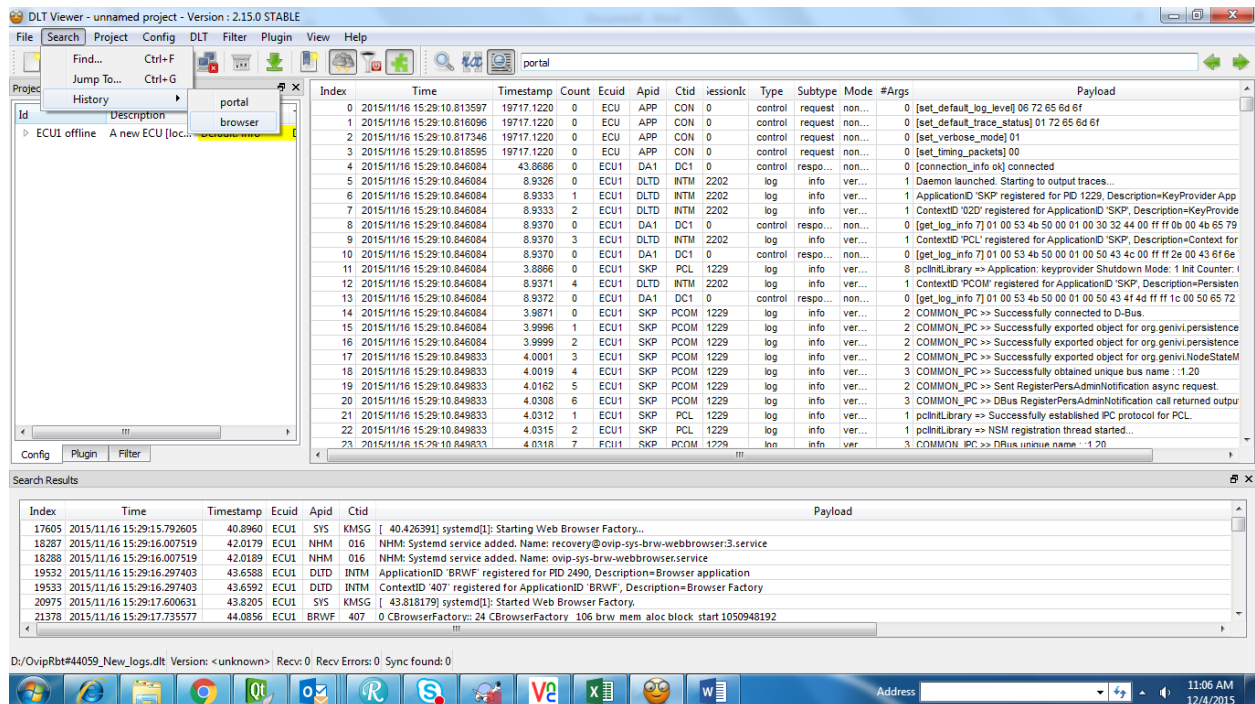


Fig. 3

In Fig 3 the user clicks on the previously searched keyword “browser” then it fetched the result related to the keyword from cache and filled it into the model.

For a big DLT file it saves a huge amount of time.

If a new file is loaded then the history is cleared.