

DLT Advanced Search Functionality with Search between Payload Boundaries.

This patch extends the advance search functionality of DLT and adds following important features to DLT advanced search.

1. User can specify the payload text (between PayloadStart and PayloadEnd) as a range between which he/she wish to search. The patch will enable user to get the results of search within the specific payload start and payload end range. User can also specify the ApId and/or CtId at the time of search to get the search result for the particular ApId and/or CtId specified along with start payload and end payload.
2. User can also use these fields similar to using filters, to display all the logs between start of payload and end of payload, timestamp start and timestamp end, ApId and CtId.
3. All these fields can be used separately or together in combinations to get the refined search results.
 - a. Only ApId can be used.
 - b. Only CtId can be used
 - c. Only timestamp start and timestamp end can be used
 - d. Only start Payload and end payload can be specified
 - e. All the above parameters can be used in any combination, only restriction is that if the search is required according to timestamp, both start timestamp and end timestamp must be specified. Furthermore, if the search is required to be done using payload then both start payload and end payload must be specified.

AppId without any payload to be searched (AppId used as a filter):

If user specifies only AppID and do not provide any payload to be searched, advanced search will provide the logs pertaining to that particular AppID in the search box. Fig 1. Shows the result.

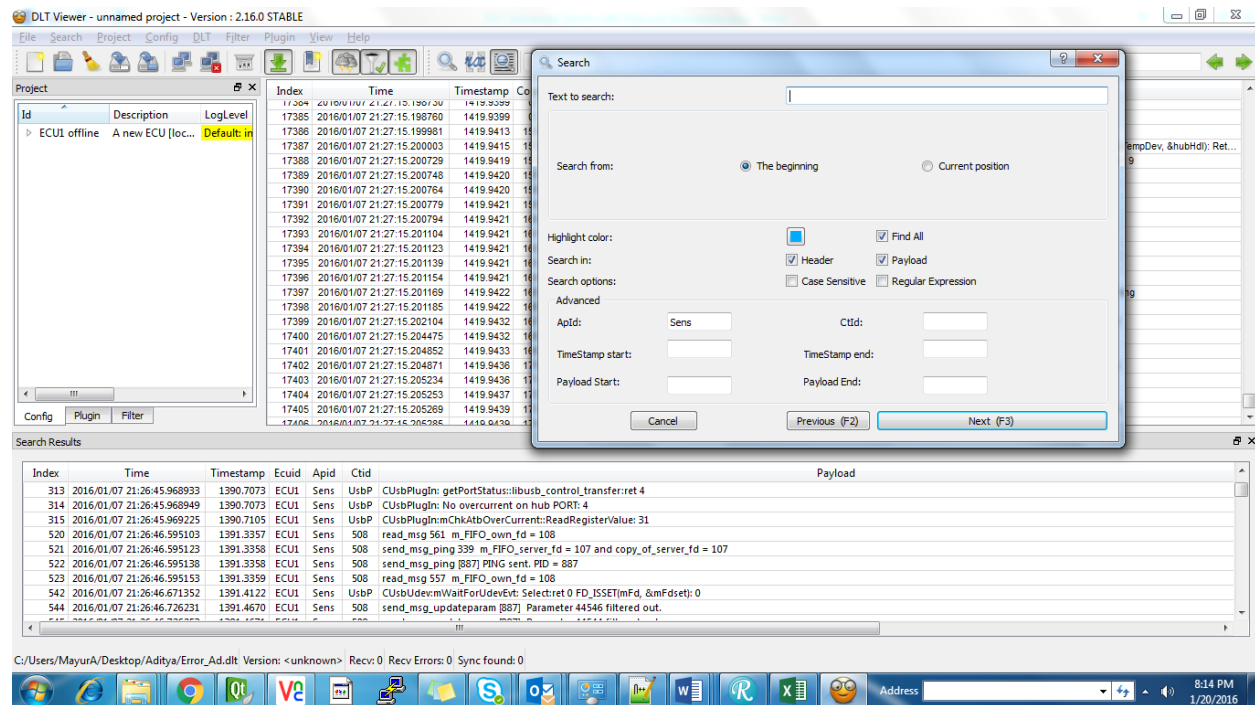


Fig. 1

AppId with payload to be searched:

If the user specifies AppId and also provides the payload to be searched, all the logs under that particular AppId will be searched and the search result containing the payload will be displayed.

Similarly the CtId can be specified and payload will be searched in that context.

Appld without any payload to be searched (Appld used as a filter):

If user specifies CtlID along with Appld and do not provide any payload to be searched, advanced search will work as a filter and provide the logs pertaining to that particular Appld and CtlID in the search box.

Fig 2. Shows the result.

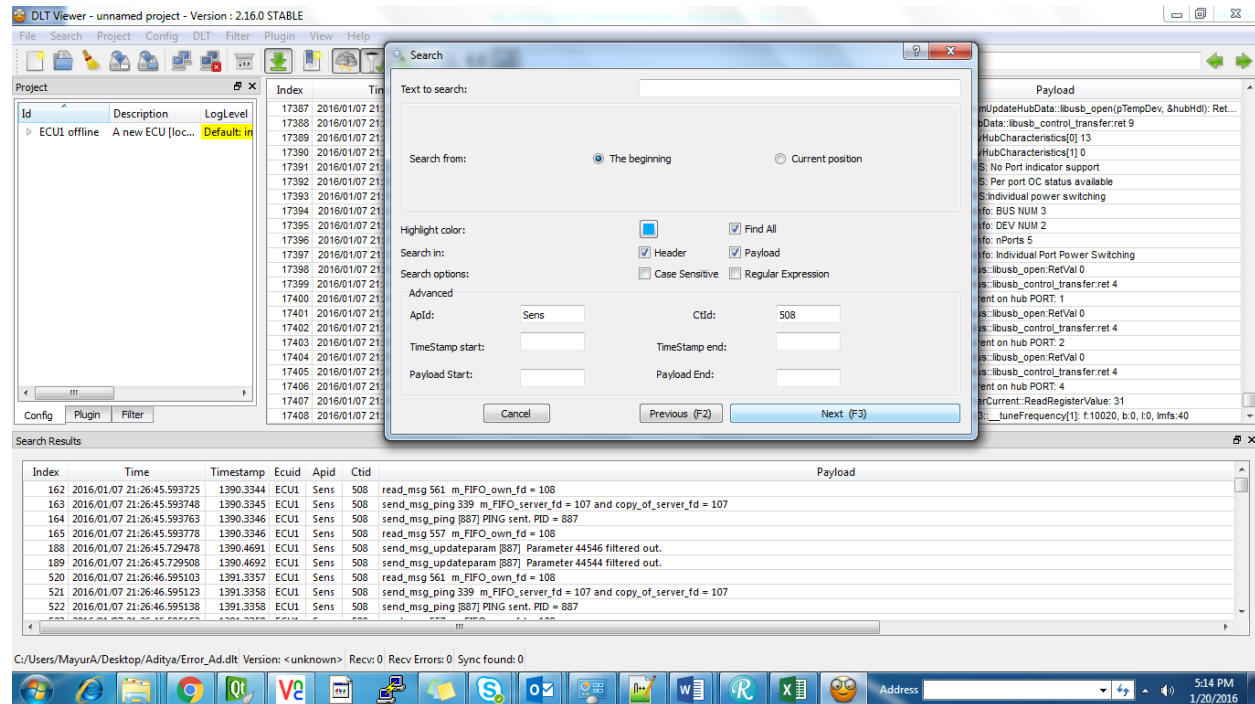


Fig. 2

Similarly the additional parameters can be used in combination to refine the result. Following figures displays the results.

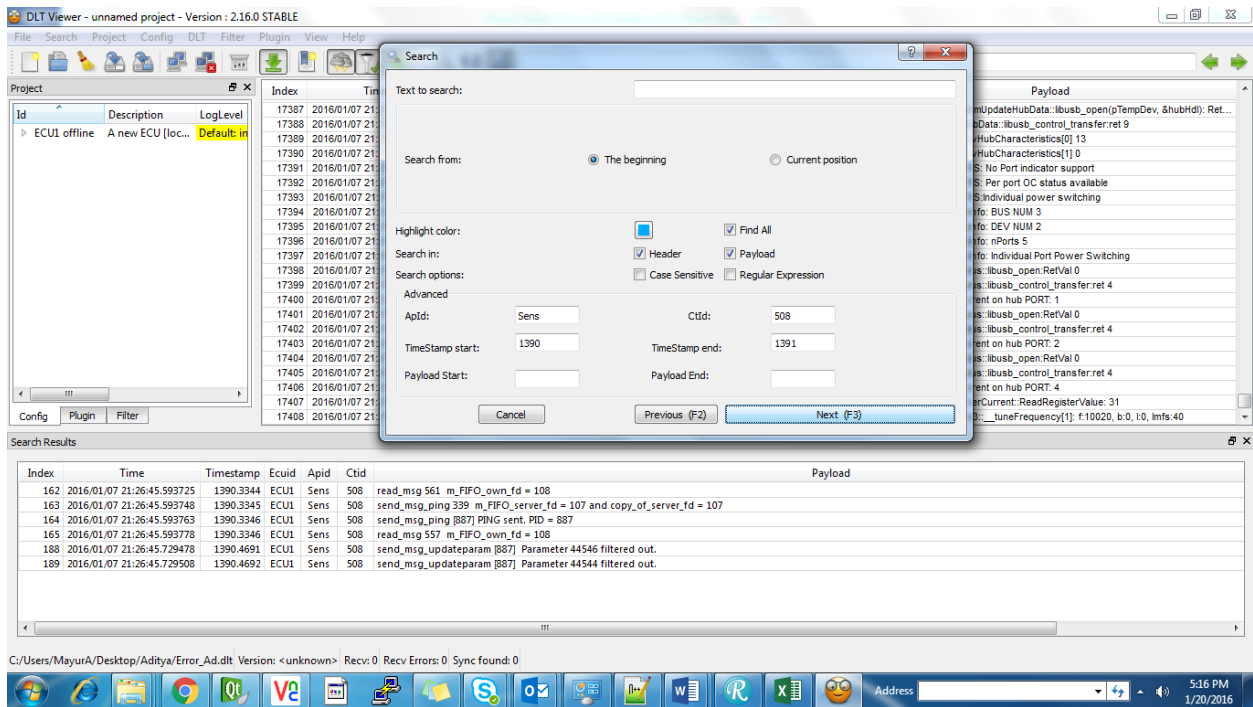


Fig. 3

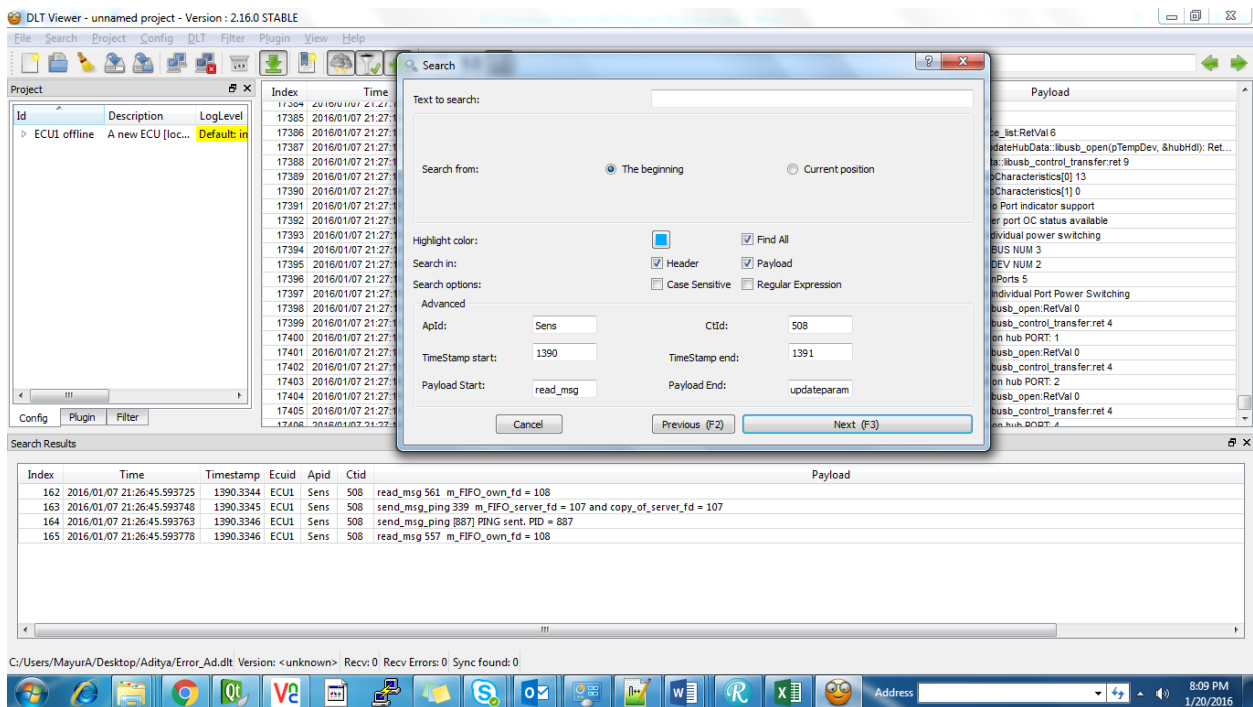


Fig. 4

All parameters with payload to be searched:

If user specifies all the parameters ApId, CtId, TimeStampStart TimeStampEnd, PayLoadStart PayLoadEnd along with any payload to be searched, advanced search will search the particular payload and provide the search result in the search box. Fig 5. Shows the result.

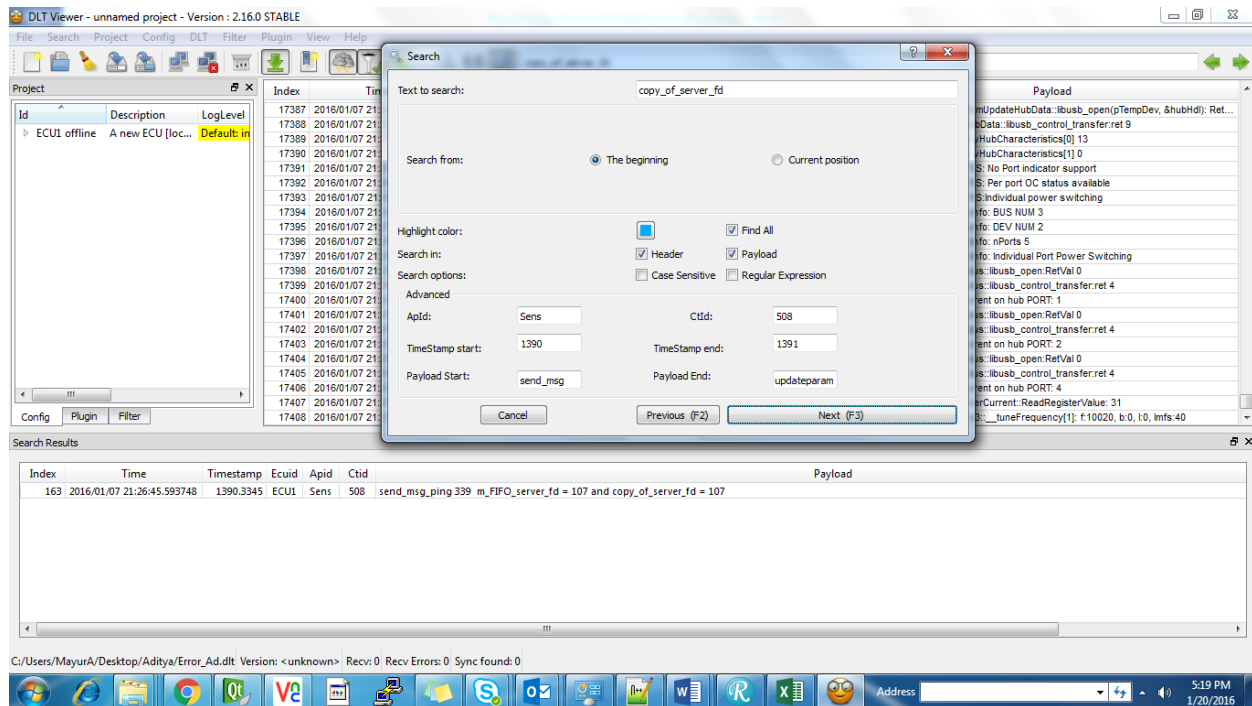


Fig. 5