

How to Use “GetNativeSQL” in Vista

Summary

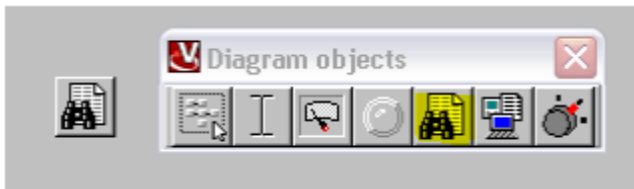
Steps to use “GetNativeSQL” in Vista

1. Create a new Data Log Viewer
2. “Edit Query” to include all the measurements from specific node
3. Edit SQL query
4. Text the query in SQL

Details

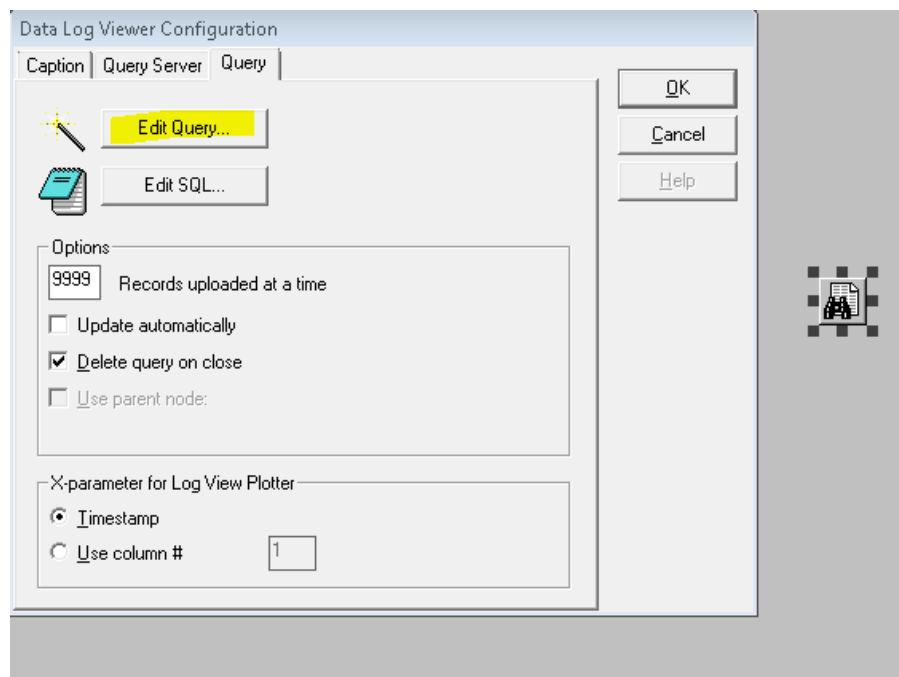
Step 1- Create a new Data Log Viewer

- 1) Drag and drop a new Data Log Viewer from Toolbox.

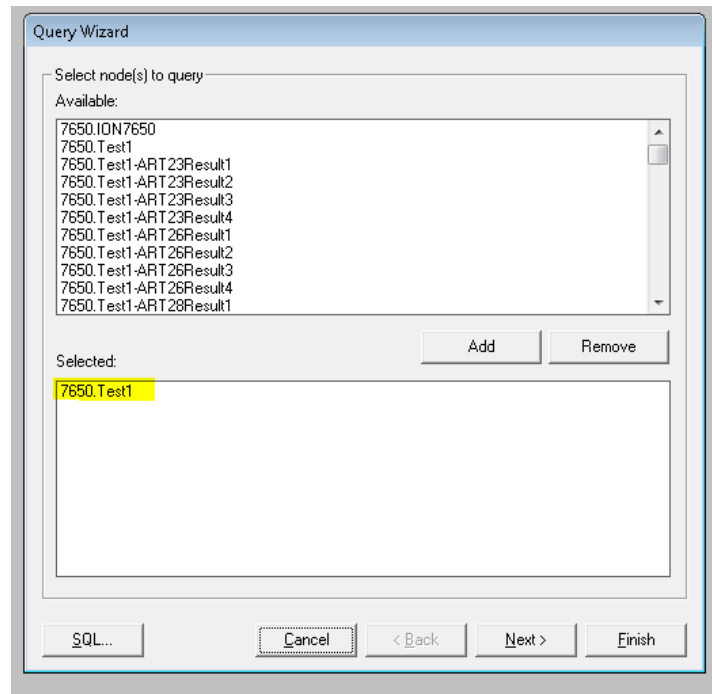


Step 2 – “Edit Query” to include all the measurements from specific node

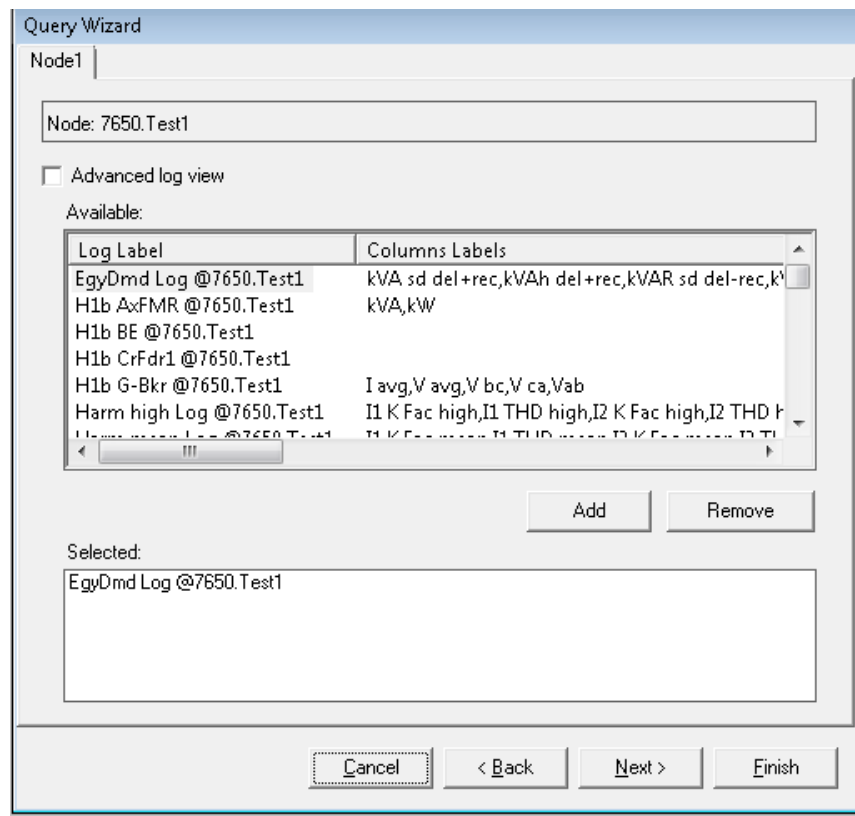
- 1) Right click on the Data Log Viewer and Configuration window will be open as shown below:



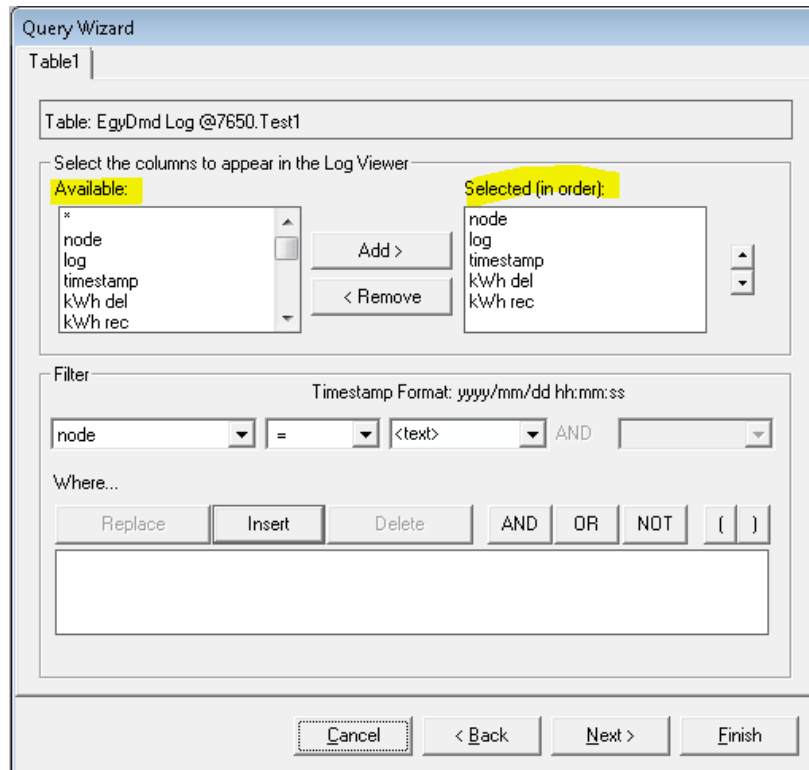
2) Next, Select Meter from which you would like to pull the measurements from:



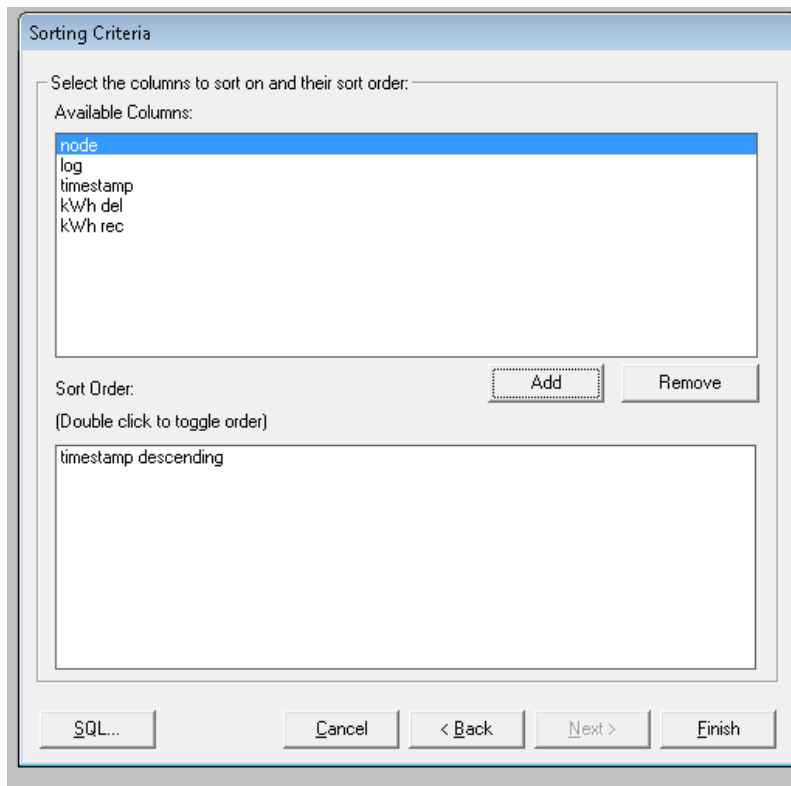
3) Next, Select the log which has the measurement you want to see:



4) Next, select all the measurements user would like to include. (i.e. timestamp, node and ect)



5) In last, sort it by timestamp descending.

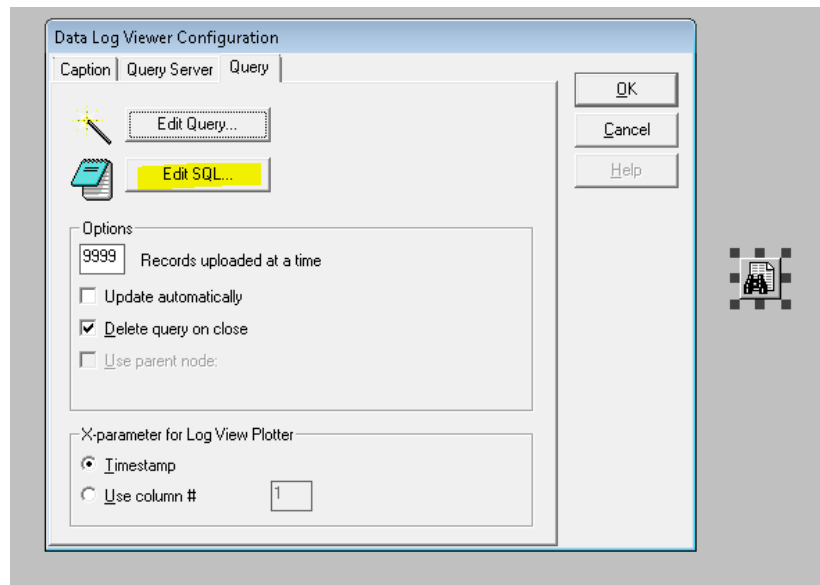


6) Double click on data log viewer to verify it's configured correct.

	Timestamp	Node	Log	Real Energy Into the Load	Real Energy Out of the Load
1	04/22/2016 09:30:00.000 AM	7650.Test1	EgyDmd Log	0	0
2	04/22/2016 09:15:00.000 AM	7650.Test1	EgyDmd Log	0	0
3	04/22/2016 09:00:00.000 AM	7650.Test1	EgyDmd Log	0	0
4	04/22/2016 08:45:00.000 AM	7650.Test1	EgyDmd Log	0	0
5	04/22/2016 08:30:00.000 AM	7650.Test1	EgyDmd Log	0	0
6	04/22/2016 08:15:00.000 AM	7650.Test1	EgyDmd Log	0	0
7	04/22/2016 08:00:00.000 AM	7650.Test1	EgyDmd Log	0	0
8	04/22/2016 07:45:00.000 AM	7650.Test1	EgyDmd Log	0	0
9	04/22/2016 07:30:00.000 AM	7650.Test1	EgyDmd Log	0	0
0	04/22/2016 07:15:00.000 AM	7650.Test1	EgyDmd Log	0	0
1	04/22/2016 07:00:00.000 AM	7650.Test1	EgyDmd Log	0	0
2	04/22/2016 06:45:00.000 AM	7650.Test1	EgyDmd Log	0	0
3	04/22/2016 06:30:00.000 AM	7650.Test1	EgyDmd Log	0	0
4	04/22/2016 06:15:00.000 AM	7650.Test1	EgyDmd Log	0	0
5	04/22/2016 06:00:00.000 AM	7650.Test1	EgyDmd Log	0	0
6	04/22/2016 05:45:00.000 AM	7650.Test1	EgyDmd Log	0	0
7	04/22/2016 05:30:00.000 AM	7650.Test1	EgyDmd Log	0	0
8	04/22/2016 05:15:00.000 AM	7650.Test1	EgyDmd Log	0	0
9	04/22/2016 05:00:00.000 AM	7650.Test1	EgyDmd Log	0	0
0	04/22/2016 04:45:00.000 AM	7650.Test1	EgyDmd Log	0	0
1	04/22/2016 04:30:00.000 AM	7650.Test1	EgyDmd Log	0	0
2	04/22/2016 04:15:00.000 AM	7650.Test1	EgyDmd Log	0	0
3	04/22/2016 04:00:00.000 AM	7650.Test1	EgyDmd Log	0	0
4	04/22/2016 03:45:00.000 AM	7650.Test1	EgyDmd Log	0	0
5	04/22/2016 03:30:00.000 AM	7650.Test1	EgyDmd Log	0	0
6	04/22/2016 03:15:00.000 AM	7650.Test1	EgyDmd Log	0	0
7	04/22/2016 03:00:00.000 AM	7650.Test1	EgyDmd Log	0	0
8	04/22/2016 02:45:00.000 AM	7650.Test1	EgyDmd Log	0	0
9	04/22/2016 02:30:00.000 AM	7650.Test1	EgyDmd Log	0	0
0	04/22/2016 02:15:00.000 AM	7650.Test1	EgyDmd Log	0	0
1	04/22/2016 02:00:00.000 AM	7650.Test1	EgyDmd Log	0	0
2	04/22/2016 01:45:00.000 AM	7650.Test1	EgyDmd Log	0	0

Step – 3 Edit SQL query

- 1) Right click on the Data Log Viewer and select Edit SQL as shown below.



- 2) Below is example of SQL query user will see:

```
qryC51A.tmp - Notepad
File Edit Format View Help
SELECT    timestamp
          , node
          , log
          , "kwh del"
          , "kwh rec"

FROM      "--(*vendor(PML),product(LogServer) EgyDmd Log @7650.Test1 *)--"

ORDER BY timestamp DESC
-- SQL generated with ION Enterprise version 7.2.2 build 14112
```

- 3) Unfortunately, if you copy this query and pasted it in SQL management studio will not work. As a result, you have to add "GETNATIVESQL" (as shown below) and save the notepad file.

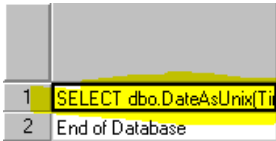
```
qryC51A.tmp - Notepad
File Edit Format View Help
GETNATIVESQL
SELECT    timestamp
          , node
          , log
          , "kwh del"
          , "kwh rec"

FROM      "--(*vendor(PML),product(LogServer) EgyDmd Log @7650.Test1 *)--"

ORDER BY timestamp DESC
-- SQL generated with ION Enterprise version 7.2.2 build 14112
```

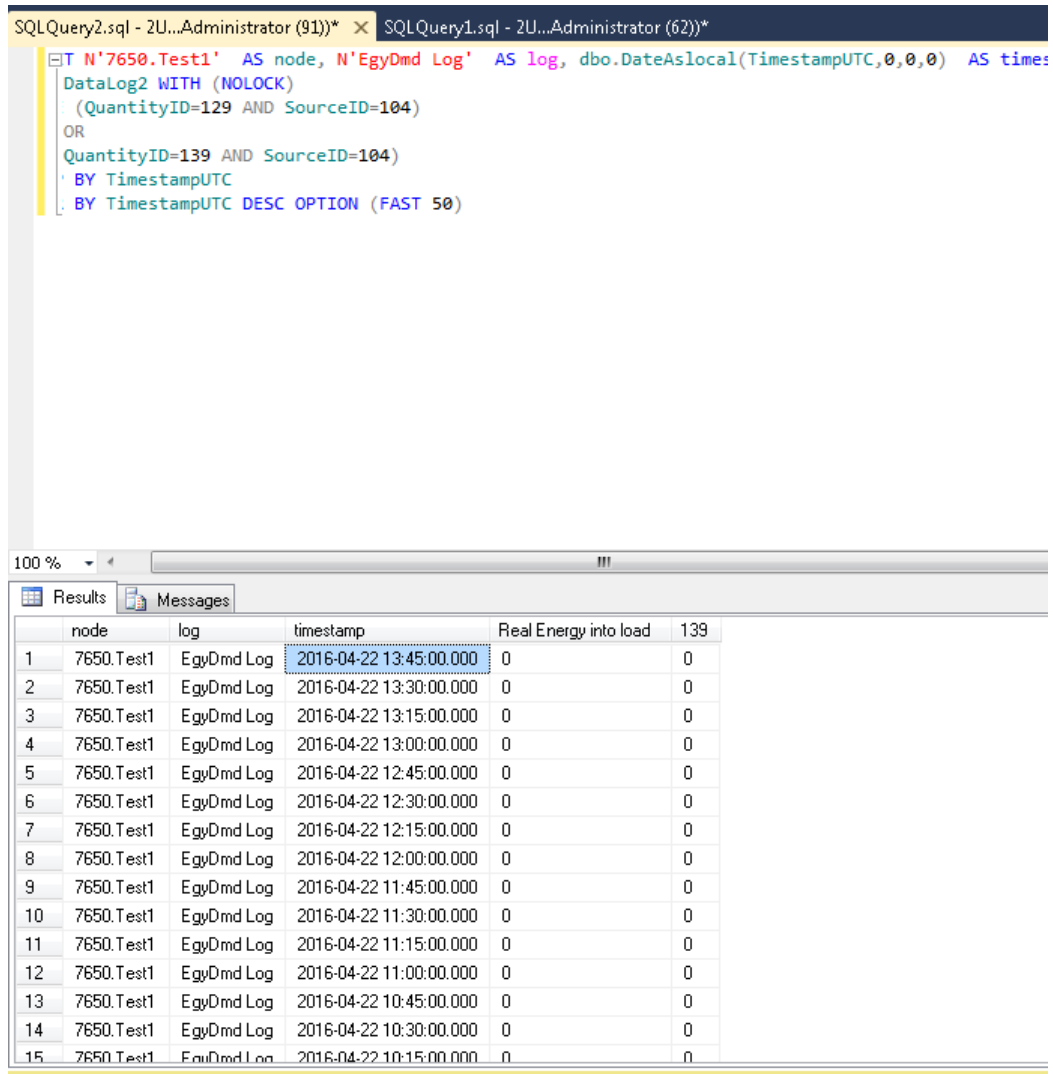
4) Next, double click on the data log viewer and now when you open the data viewer you will see one tab that has query.

a. Select and copy the first cell (“SELECT”)



```
SELECT dbo.DateAsUnix(TimestampUTC) AS timestamp, N'7650.Test1' AS node, N'EgyDmd Log' AS log
```

Step – 4 Copy this query and pasted it SQL.



```
SQLQuery2.sql - 2U...Administrator (91)* x SQLQuery1.sql - 2U...Administrator (62)*
SELECT N'7650.Test1' AS node, N'EgyDmd Log' AS log, dbo.DateAsLocal(TimestampUTC,0,0,0) AS time:
DataLog2 WITH (NOLOCK)
WHERE (QuantityID=129 AND SourceID=104)
OR
QuantityID=139 AND SourceID=104)
ORDER BY TimestampUTC
DESC BY TimestampUTC DESC OPTION (FAST 50)
```

	node	log	timestamp	Real Energy into load	139
1	7650.Test1	EgyDmd Log	2016-04-22 13:45:00.000	0	0
2	7650.Test1	EgyDmd Log	2016-04-22 13:30:00.000	0	0
3	7650.Test1	EgyDmd Log	2016-04-22 13:15:00.000	0	0
4	7650.Test1	EgyDmd Log	2016-04-22 13:00:00.000	0	0
5	7650.Test1	EgyDmd Log	2016-04-22 12:45:00.000	0	0
6	7650.Test1	EgyDmd Log	2016-04-22 12:30:00.000	0	0
7	7650.Test1	EgyDmd Log	2016-04-22 12:15:00.000	0	0
8	7650.Test1	EgyDmd Log	2016-04-22 12:00:00.000	0	0
9	7650.Test1	EgyDmd Log	2016-04-22 11:45:00.000	0	0
10	7650.Test1	EgyDmd Log	2016-04-22 11:30:00.000	0	0
11	7650.Test1	EgyDmd Log	2016-04-22 11:15:00.000	0	0
12	7650.Test1	EgyDmd Log	2016-04-22 11:00:00.000	0	0
13	7650.Test1	EgyDmd Log	2016-04-22 10:45:00.000	0	0
14	7650.Test1	EgyDmd Log	2016-04-22 10:30:00.000	0	0
15	7650.Test1	EgyDmd Log	2016-04-22 10:15:00.000	0	0