Historian Database Exporter Code

Export historian data with scripts.

This document provides an instructional guide on how to export a Historian Database into a CSV file using SQL Server Historian. This is particularly useful for retrieving older, archived data in Excel. This guide provides a line of code to be used in CodeBehind, which, upon a button click, triggers the export of data into an Excel file.

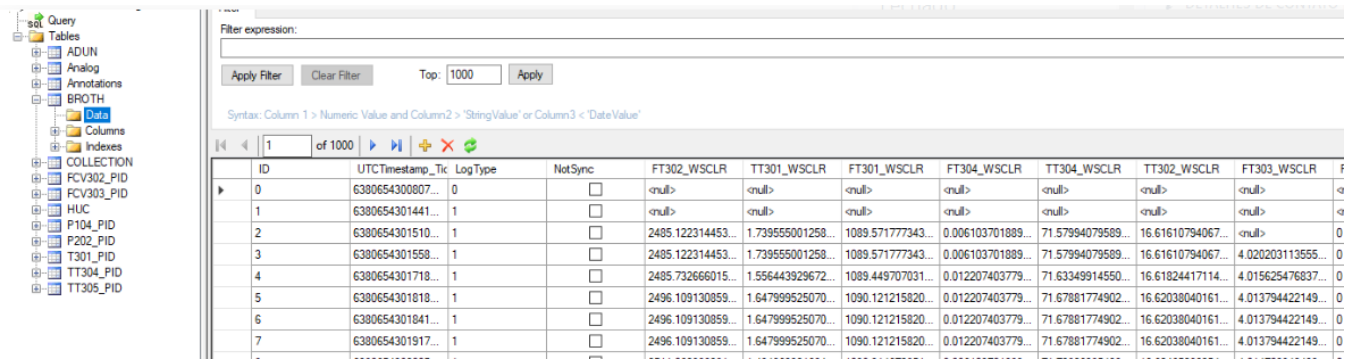
- Export the Historian Database into a CSV File

Solution Example

Export Historian to CSV.

Export the Historian Database into a CSV File

To retrieve older data that has been archived using SQL Server Historian in Excel, follow the steps below:

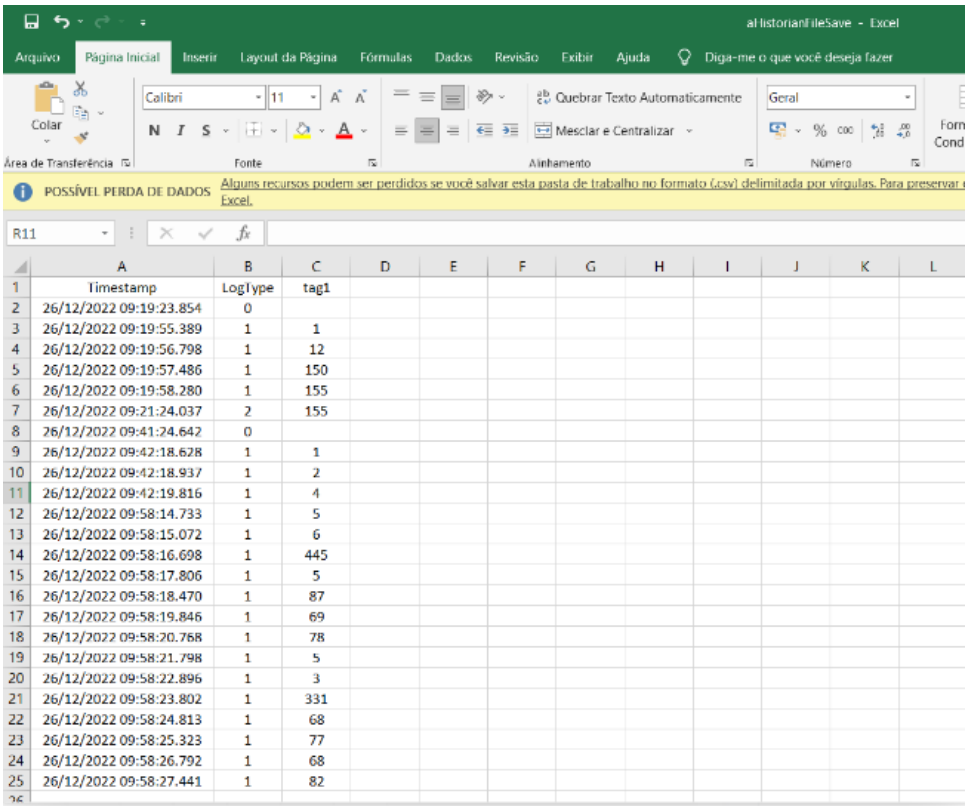


To save the historian database to an Excel file, write the following line of code in CodeBehind and set it up so that when the button is clicked, the code is executed:

```
public void MouseLeftButtonDown1(object sender, System.Windows.Input.InputEventArgs e)
{
        var nowDate = new DateTime(2023, 7, 2, 22, 59, 59);
        var startDate = new DateTime(2021, 7, 2, 22, 59, 59);

        @Historian.Table.Table1.SaveToTextFile(startDate, nowDate, "HistorianFileSave", ";", true, true,
false, 2, null);
}
```

The result will be the data exported as follows:



	A	B	C	D	E	F	G	H	I	J	K	L
1	Timestamp	LogType	tag1									
2	26/12/2022 09:19:23.854	0										
3	26/12/2022 09:19:55.389	1	1									
4	26/12/2022 09:19:56.798	1	12									
5	26/12/2022 09:19:57.486	1	150									
6	26/12/2022 09:19:58.280	1	155									
7	26/12/2022 09:21:24.037	2	155									
8	26/12/2022 09:41:24.642	0										
9	26/12/2022 09:42:18.628	1	1									
10	26/12/2022 09:42:18.937	1	2									
11	26/12/2022 09:42:19.816	1	4									
12	26/12/2022 09:58:14.733	1	5									
13	26/12/2022 09:58:15.072	1	6									
14	26/12/2022 09:58:16.698	1	445									
15	26/12/2022 09:58:17.806	1	5									
16	26/12/2022 09:58:18.470	1	87									
17	26/12/2022 09:58:19.846	1	69									
18	26/12/2022 09:58:20.768	1	78									
19	26/12/2022 09:58:21.798	1	5									
20	26/12/2022 09:58:22.896	1	3									
21	26/12/2022 09:58:23.802	1	331									
22	26/12/2022 09:58:24.813	1	68									
23	26/12/2022 09:58:25.323	1	77									
24	26/12/2022 09:58:26.792	1	68									
25	26/12/2022 09:58:27.441	1	82									

To access a solution example that presents an out-of-box solution for exporting historical data to CSV files, visit Export Historian to CSV.

In this section...
