Historian Namespace Reference

Access historian data via scripts.

The Historian Namespace exposes properties and methods from the .NET objects used by the Historian Module execution. You can use these properties and methods on your Displays or to create Scripts and Alarms.

Runtime Attributes
HistorianTables Tag Historian Values

Access historian objects at runtime:

```
// Table properties
int rowCount = @Historian.Table.ProcessData.RowCount;
DateTime lastStore = @Historian.Table.ProcessData.LastStoredTimeStamp;

// Query methods
DataTable data = @Historian.Table.ProcessData.QueryData(startTime, endTime);

// Module control
bool isRunning = @Historian.IsStarted;
string status = @Historian.OpenStatusMessage;
```

Runtime Attributes

HistorianTables Tag Historian Values

Like all objects in the platform, HistorianTables have their own set or properties and methods.

Particularly, there are a few methods that are frequently used by the application, which focus on retrieving the historian contents and generating a DataTable with the results.

These methods are mainly on the Tag namespace and HistorianTable namespaces, using the TK toolkit methods.

Method	Description
TK.GetTagHistorian	Gets Historian data from a Tag, given a date range
TK.GetValueFromHistorian	Gets one specific value from the Historian Database
Historian.Table.Table1. SaveToTextFile	Export contents to CSV files
Historian.Table.Table1. GetObjectList	Get List of Tags used by each HistorianTable

Some other methods focus on the state of the execution of the Historian Module itself.

Property Path	Type	Description
`Historian. IsStarted`	Boolean	Indicates if the operational status Module Historian has started. • **True**, the Module Historian actively archives data. • **False**, no data archiving occurs.
`Historian. OpenStatusMessage`	String	Indicates the success or failure when initiating the Module Historian. If the Module Historian starts successfully, the system returns an **OK** string. Otherwise returns an error message.
`Historian. EnableCache`	Boolean	A Boolean flag that enables the creation of temporary binary files on the server to optimize the TrendChart object performance when handling large datasets. Setting to **true** improves responsiveness and efficiency.

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