# Tag Get Properties Code

Retrieve tag properties programmatically.



Tag Get Properties Code show to access TagProperties from CodeBehind.

The Method use it TK. TK.GetTagChildrenAsDataRow()

Return Value: DataRow[]

Get DataRows method
Solution Example

## Get DataRows method

The key for this is implementation is the method, which gets the the children from any folder as DataRow[], with each property in a column:

**Get Tag Children**

```
        DataTable table = new DataTable("Table1");
        table.Columns.Add("Name", typeof(string));
        table.Columns.Add("TypeName", typeof(string));

        // Returns the child elements of the specified Asset.
        // This method can be used to retrieve tags across different folders or domains.
        DataTable dt = await TK.GetChildrenElementsAsync("AssetName");

        // Retrieves all rows from the DataTable.
        DataRow[] rows = dt.Rows.Cast<DataRow>().ToArray();

        // Returns tags as DataRow objects.
        // • Without parameters: returns all root-level tags.
        // • With a tag name parameter: returns the children of the specified tag.
        DataRow[] rows = TK.GetTagChildrenAsDataRow("TagName");

    // just for verification
        int j = rows.Length;

        foreach (DataRow row in rows)
        {
                // In this example, we are getting only the Name and Type, all columns from UnsTas tables
can be accessed using this method
                string name = TK.ToText(row["Name"]);
                int type = TK.ToInt(row["Type"]);

            string typeName = await TK.GetElementTypeAsync(name);
                table.Rows.Add(name, typeName);
        }//foreach
```

## Solution Example

Download example: GetTagProperties.dblsn

**In this section...**