

system.tag.writeAll

This function is used in **Python Scripting**.

Description

Performs an asynchronous bulk write. Takes two sequences that must have the same number of entries. The first is the list of tag paths to write to, and then second is a list of values to write. This function is dramatically more efficient than calling write multiple times.

Client Permission Restrictions

This scripting function has no [Client Permission](#) restrictions.

Syntax

system.tag.writeAll(tagPaths, values)

- Parameters

- `String[]` tagPaths - The paths of the tags to write to.

- `Object[]` values - The values to write.

- Returns

- `int[]` - Array of ints with an element for each tag written to: 0 if the write failed immediately, 1 if it succeeded immediately, and 2 if it is pending.

- Scope

- All

Code Examples

Code Snippet

```
# This code write to 5 tags at once.

tags = ["Tags/T1", "Tags/T2", "Tags/T3", "Tags/T4", "Tags/T5"]
values = [2, 4, 8, 16, 32]
values = system.tag.writeAll(tags,values)
```

Code Snippet

```
# Similar to the prior example, except this includes the tag provider in the tag path of each tag.

tags = ["[tagProvider]Tags/T1", "[tagProvider]Tags/T2", "[tagProvider]Tags/T3", "[tagProvider]Tags/T4",
"[tagProvider]Tags/T5"]
values = [2, 4, 8, 16, 32]
values = system.tag.writeAll(tags,values)
```