system.tag.read

This function is used in Python Scripting.

Description

Reads the value of the tag at the given tag path. Returns a qualified value object. You can read the value, quality, and timestamp from this object. If the tag path does not specify a tag property, then the Value property is assumed.

You can also read the value of tag attributes by appending the attribute to the tagPath parameter. See the Tag Properties page for a list of available attributes.

Client Permission Restrictions

This scripting function has no Client Permission restrictions.

Syntax

system.tag.read(tagPath)

Parameters

String  tagPath - Reads from the given tag path. If no property is specified in the path, the Value property is assumed.

Returns

QualifiedValue - A qualified value. This object has three sub-members: value, quality, and timestamp.

Scope

All

Code Examples

Code Snippet

# This example would read a value and display it in a message box.
qv = system.tag.read("[default]EastSection/ValveG/HOA_bit")
system.gui.messageBox("The value is %d" % qv.value)

Code Snippet

# This example would check the quality of a tag value, and write it to the database if the quality is good
qv = system.tag.read("[default]EastSection/ValveG/HOA_bit")
if qv.quality.isGood():
    system.db.runPrepQuery("INSERT INTO VALVE_TABLE (HOA) VALUES (?)", qv.value)

Code Snippet

# This example would check the value of the EngHigh attribute on the tag
qv = system.tag.read("[default]EastSection/ValveG/HOA_bit.EngHigh")
system.gui.messageBox("The EngHigh value is %d" % qv.value)