

# 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)
```