

system.tag.getAlarmStates

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

Description

Returns an array of alarm definitions for a specific tag.

Client Permission Restrictions

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

Syntax

system.tag.getAlarmStates(tagPath)

- Parameters

String tagPath - The full path to the tag. Note: you can specify the tag provider name in square brackets at the beginning of the parentPath string. Example: "[myTagProvider]MyTagsFolder". If the tag provider name is left off then the project default provider will be used.

- Returns

[TagAlarmDefinition\[\]](#) - An array of TagAlarmDefinition.

- Scope

All



The properties on the alarm definitions returned by this function do not list what are considered "default" properties; calling `getAlarmProperties` on an alarm with a Low priority will not return the priority property of the alarm, but if the priority is changed to Medium, then the priority property would be returned. See the [Tag Properties](#) page for a full list of properties.

Code Examples

Code Snippet

```
# Get the alarm configuration for a tag. The prop.type represents whether the
# value is static, bound to an expression, or bound to a UDT parameter
tagDefs = system.tag.getAlarmStates("TagAlarm")
for tagDef in tagDefs:
    print tagDef.alarm
    for prop in tagDef.getAlarmProperties():
        print prop.property, prop.type, prop.value
```