AutoFlow.Verifier.ActivityCheckDeviceStatus

Description Check device exist or device status

Syntax

<Activity handler="AutoFlow.Verifier.ActivityCheckDeviceStatus ">

<FileName>**File path and name, Report device list of test machine,** </FileName>

<!--Criteria element’s can NOT be omitted, If you don’t want to compare, please set inner text to be empty.-->

<Criteria source=" support partial DataSource(We just support XmlFile and RawData. We do NOT support comparion feature.), you can refer Autoflow.DataSource">

<DeviceInfo>

<DeviceName>**DievceName**</DeviceName>

<HardwareID>**HardwareID**</HardwareID>

<!--

If Device has many HardwareID, you can write many HardwareID

Ex: (Device) Atheros AR3011 Buletooth 3.0

HardwardID have two values.

USB\VID\_0489&PID\_E02C& REV\_001

USB\VID\_0489& PID\_E02C

XML code:

<HardwareID> USB\VID\_0489&amp;PID\_E02C&amp;REV\_001</HardwareID>

<HardwareID> USB\VID\_0489&amp;PID\_E02C</HardwareID>

& is XML Reserved Characters, please refer **Note\*1**

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<Status>**Status (Type: number) Please refer Note\*2 configManagerErrorCode field definition.**</Status>

</DeviceInfo>

</Criteria>

</Activity>

**Note\*1**

Reserved character Named entity

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< &lt;

> &gt;

& &amp;

" &quot;

' &apos;

**Note\*2**

Status list:

Value Meaning

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0 (0x0) Device is working properly.

1 (0x1) Device is not configured correctly.

2 (0x2) Windows cannot load the driver for this device.

3 (0x3) Driver for this device might be corrupted, or the system may be low on memory or

other resources.

4 (0x4) Device is not working properly. One of its drivers or the registry might be corrupted.

5 (0x5) Driver for the device requires a resource that Windows cannot manage.

6 (0x6) Boot configuration for the device conflicts with other devices.

7 (0x7) Cannot filter.

8 (0x8) Driver loader for the device is missing.

9 (0x9) Device is not working properly. The controlling firmware is incorrectly reporting the

resources for the device.

10 (0xA) Device cannot start.

11 (0xB) Device failed.

12 (0xC) Device cannot find enough free resources to use.

13 (0xD) Windows cannot verify the device's resources.

14 (0xE) Device cannot work properly until the computer is restarted.

15 (0xF) Device is not working properly due to a possible re-enumeration problem.

16 (0x10) Windows cannot identify all of the resources that the device uses.

17 (0x11) Device is requesting an unknown resource type.

18 (0x12) Device drivers must be reinstalled.

19 (0x13) Failure using the VxD loader.

20 (0x14) Registry might be corrupted.

21 (0x15) System failure. If changing the device driver is ineffective, see the hardware

documentation. Windows is removing the device.

22 (0x16) Device is disabled.

23 (0x17) System failure. If changing the device driver is ineffective, see the hardware

documentation.

24 (0x18) Device is not present, not working properly, or does not have all of its drivers installed.

25 (0x19) Windows is still setting up the device.

26 (0x1A) Windows is still setting up the device.

27 (0x1B) Device does not have valid log configuration.

28 (0x1C) Device drivers are not installed.

29 (0x1D) Device is disabled. The device firmware did not provide the required resources.

30 (0x1E) Device is using an IRQ resource that another device is using.

31 (0x1F) Device is not working properly. Windows cannot load the required device drivers.

Example

Example 1: Report device list of test machine, but do not compare.

<Activity handler="AutoFlow.Verifier.ActivityCheckDeviceStatus">

<FileName> **c:\Wistron\Report\DeviceList.xml** </FileName>

<Criteria/>

</Activity>

Note: If Criteria element’s inner text is empty, it mean do NOT need to compare.

If Criteria element’s inner text is not empty, the activity just compare current status with criteria. The device status will not effect on activity’s result.

Example 2: Report Device list of test machine and compare data. Criteria source is XmlFile.

<Activity handler="AutoFlow.Verifier.ActivityCheckDeviceStatus">

<FileName> **c:\Wistron\Report\DeviceList.xml** </FileName>

<Criteria source="XmlFile">**c:\test\PreviousDeviceList.xml | //Criteria**</Criteria>

</Activity>

Note:

If Criteria source is XmlFile, your XML file must much follow format.

<Crieria>

<DeviceInfo>

<DeviceName>**Device**</DeviceName>

<HardwareID> **HardwareID**</HardwareID>

<Status>**Staus**</Status>

</DeviceInfo>

</Crieria>

Example 3: Report Device list of test machine and compare data. Criteria source is RawData.

<Activity handler="AutoFlow.Verifier.ActivityCheckDeviceStatus">

<FileName>**c:\Wistron\Report\DeviceList.xml**</FileName>

<Criteria source="RawData">

<DeviceInfo>

<DeviceName>**Atheros AR3011 Bluetooth 3.0**</DeviceName>

<HardwareID>**USB\VID\_0489**&amp;**PID\_E02C**&amp;**REV\_001**</HardwareID>

<Status>**0**</Status>

</DeviceInfo>

</Criteria>

</Activity>