**Description**

The activity to simulate special keystrokes and keystroke combinations typing Virtual Key.

**Syntax**

Some differ from ActivityTyping:

1. There’s no configs can setting in ActivityTyping. i.e. action, count, typeInterval
2. Some special keys are not supported in ActivityTyping. i.e. Windows, pause
3. The letter keys are not supported in ActivityTypeVirtualKey. i.e. A, b, C

**<Activity>        
     <Key action="The action of keystroke. Down, Up or DownUp. Default:DownUp"**

**downUpInterval="The time interval between Down and Up. Default: 0.3"**

**count="Number of times. Default: 1"**

**typeInterval="The time interval between two types. Default: 0.3"**

**>**

**Enter the key symbol, you may use DataSource(ref DataSource) to get the data.**

**Please loop up the target key(find the symbol value) in “VKeys.xml” located with TestRunner.exe**

**All supported keys are listed in this table file.**

**For example:**

**As we want to type “Left windows key”, we can find the key element by the description, and get the value from attribute:symbol ==> “LWIN”**

**VKeys.xml:**

**<Key description="Left Windows key (Natural keyboard) " symbol="LWIN">5B</Key>**

**MSDN website:** [**http://msdn.microsoft.com/en-us/library/ms927178.aspx**](http://msdn.microsoft.com/en-us/library/ms927178.aspx)

**</Key>  
</Activity>**

**Notes:**

1. **Does not including the "Fn" key.**
2. **Combine key does not support "Ctrl+Alt+Delete".**
3. **Element downUpInterval will active only when action="DownUp"**
4. **Element typeInterval will active only when count number >= 2**

**Example**

Example 1: Typing directory "Left Windows" key.

<Activity handler="AutoFlow.InputDevice.ActivityTypeVirtualKey" defer =”1” description="Windows key" terminateIfFail="true">

<Key action="DownUp">LWIN</Key>

</Activity>

Example 2: Use datasource to get keystroke.

<Activity handler="AutoFlow.InputDevice.ActivityTypeVirtualKey" defer =”1” description="Windows key" terminateIfFail="true">

<Key source="XmlFile">C:/Wistron/FlowDataBase/Name.Source.xml | //Book/Text</Key>

</Activity>

Example 3: Use combine key to change window

<Activity handler="AutoFlow.InputDevice.ActivityTypeVirtualKey" defer =”1” description="Change window by Windows + Tab key" terminateIfFail="true">

<Key action="Down">LWIN</Key>

</Activity>

<Activity handler="AutoFlow.InputDevice.ActivityTypeVirtualKey" defer="1" description="Change window by Windows + Tab key" terminateIfFail="true">

<Key action="DownUp" downUpInterval="0.1" count="3" typeInterval="2">TAB</Key>

</Activity>

<Activity handler="AutoFlow.InputDevice.ActivityTypeVirtualKey" defer =”1” description="Change window by Windows + Tab key" terminateIfFail="true">

<Key action="Up"> LWIN </Key>

</Activity>