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Source: https://github.com/professoraire/ElegantXML-Crestron

Elegant XML – Serial Values v1.0

GENERAL INFORMATION

SIMPL WINDOWS NAME	Elegant XML – Serial Values v1.0
CATEGORY	Elegant Modules
VERSION	1.0
SUMMARY	Provides a connection point for setting and retrieving Serial values from an XML file.
GENERAL NOTES	This module works with the Elegant XML – Manager module and there must be a Manager module in the program for this module to work.
CRESTRON HARDWARE REQUIRED	3-Series Processor

PARAMETERS

ManagerID	S	The ID of the Manager instance to associate this module with. The Manager instance will control what file is being loaded from.
XmlPath[#] (1 – 50)	S	The path to the XML attribute to read from the XML file.

CONTROL

InputValue[#] (1 – 50)	S	When this value changes, it sends the updated value to the Simpl# program, which stores it in memory. This value is then reflected out the associated OutputValue[#] join.

FEEDBACK

IsInitialized	D	Goes high when the module has successfully registered with its Manager module.
OutputValue[#] (1 – 50)	S	Outputs the value read from the XML file on the XmlPath provided. Also outputs the value from a change on the associated InputValue[#] join.

ADDITIONAL DATA

Revision History	v1.0 – Initial Release
Additional Details	The format for specifying paths is as follows: Element[Identifier].Element[Identifier].Element[Identifier] Note: You do NOT need to place the RootElement on each path. This helps shorten the length of the paths needed. The following file snippet and paths demonstrate how this works: (see code below)

```xml
<?xml version="1.0" encoding="UTF-8" ?>
<Config>
  <Switchers>
    <Switcher Id="1">
      <Inputs>
        <Input Id="1" Name="Input 1" Patch="1" IsInstalled="true" />
        <Input Id="2" Name="Input 2" Patch="2" IsInstalled="false" />
      </Inputs>
    </Switcher>
    <Switcher Id="2">
      <Inputs>
        <Input Id="1" Name="Laptop" Patch="9" IsInstalled="false" />
      </Inputs>
    </Switcher>
  </Switchers>
</Config>
```

Paths
1. Switchers.Switcher Id="1".Inputs.Input Id="1".Name
   a. This outputs "Input 1"
2. Switchers.Switcher Id="2".Inputs.Input Id="1".Patch
   a. This outputs the value 9
3. Switchers.Switcher Id="1".Inputs.Input Id="1".IsInstalled
   a. This digital value would be high.

You can see in this example that the optional identifier MUST occur immediately following the name of the element. For example, if you attempted to write the path: Switchers.Switcher Id="1".Inputs.Input Name="Laptop" this would fail, since the Name="Laptop" attribute isn't immediately following the name of the element, which is Input.

You can also see that the identifier isn't required. Be wary though! If you place multiple elements with the same name inside another and you don't provide identifiers, the first element that matches this will ALWAYS be used. The path: Switchers.Switcher Id="1".Inputs.Input.IsInstalled would always return a true (or Digital High) value, because it would always use the value of the element Input Id="1".