

Advantech AE Technical Share Document

Date	2017 / 2 / 6	SR#	1-2777353581
Category	<input type="checkbox"/> FAQ <input checked="" type="checkbox"/> SOP	Related OS	Microsoft Windows7
Abstract	How to use WebAccess Cloud Node-Red GetTagValue and SetTagValue Functions		
Keyword	WebAccess Cloud, Node-Red, GetTagValue, SetTagValue		
Related Product			

■ Description:

This document describes how user can use Node-Red GetTagValue and SetTagValue Nodes to transmit a WebAccess SCADA analog tag value to another analog tag. In here, we will transmit myAnalog tag value to another tag named myAnalog2

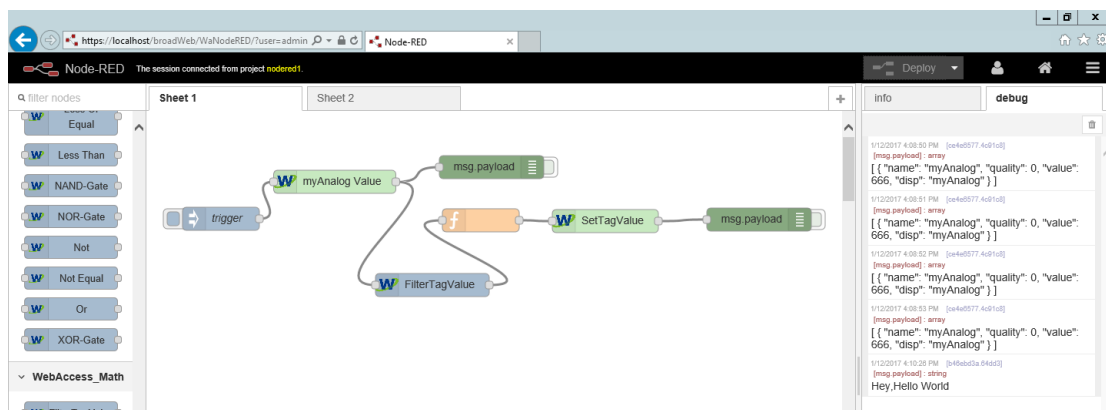
■ Instruction:

1. Six node functions will be used in order to achieve this request:

- Injection Node
- GetTagValue Node
- Debug Node
- FilterTagValue Node
- Function Node
- SetTagValue Node

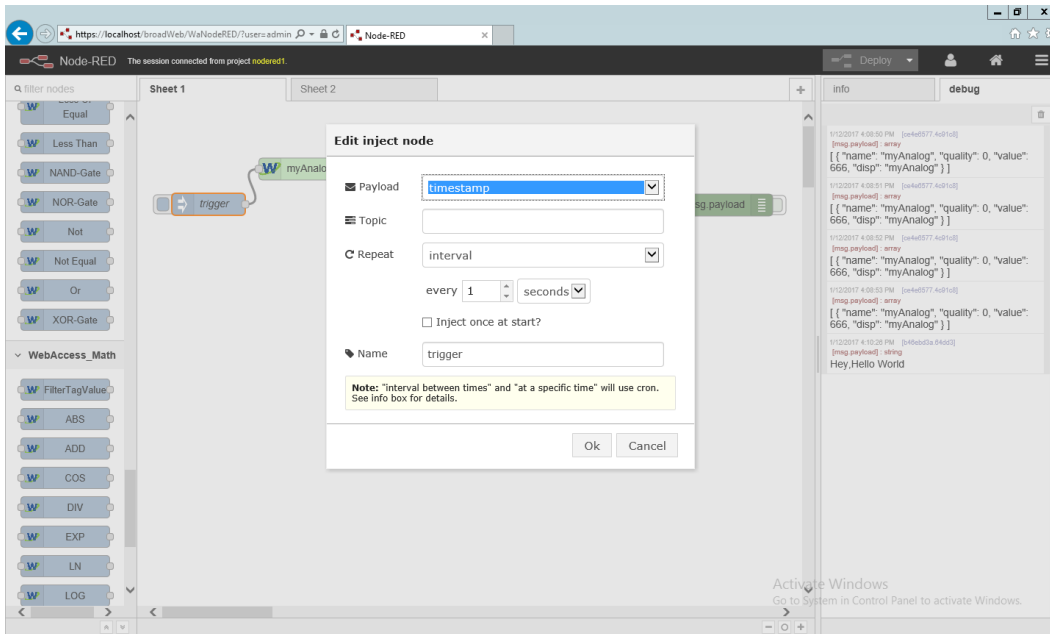
First, user has to use GetTagValue Node to get myAnalog information, and then use Filter Node to keep only current value. Next, user can use Function Node to bundles myAnalog tag value and myAnalog2 tag name. Last, user may use SetTagValue to assign tag information back to myAnalog2.

Expect Solution:



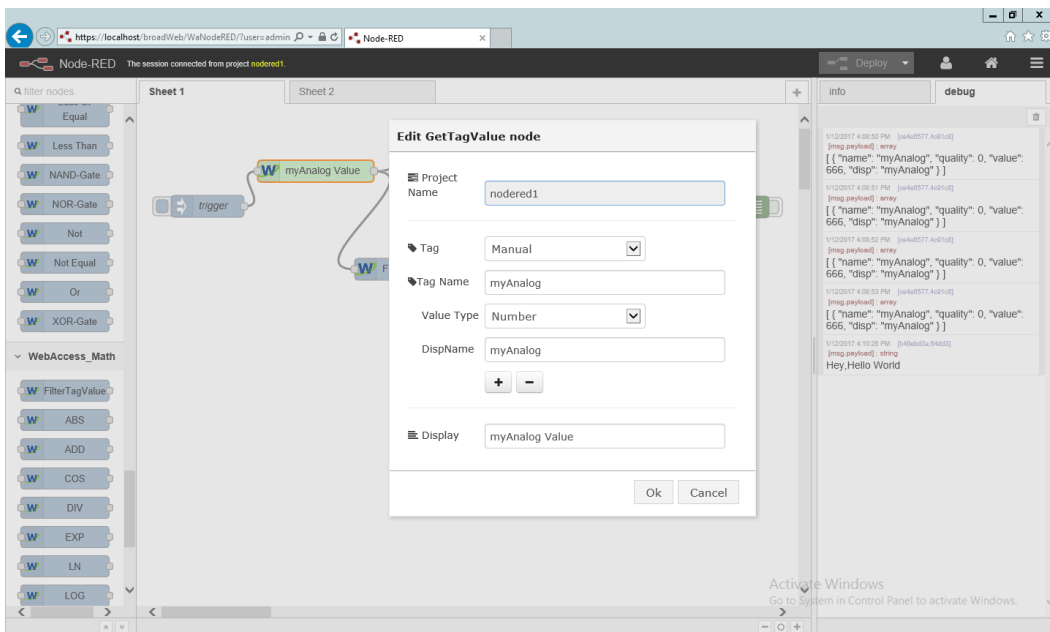
2. Inject Node

- Repeat: interval with 1 second



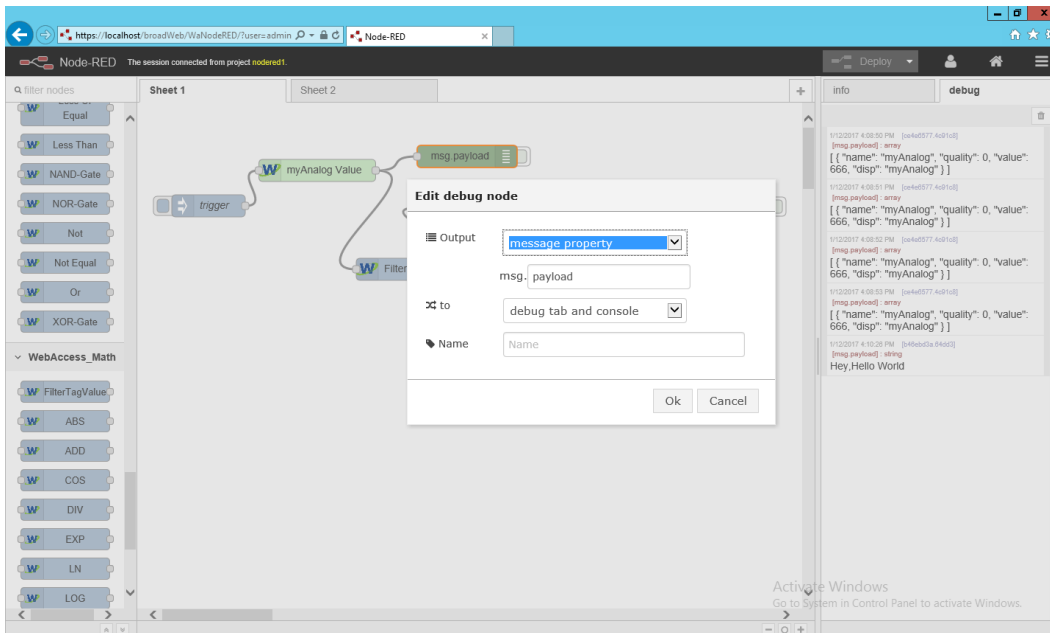
3. GetTagValue – get tag value of an analog tag “myAnalog”

- Tag: Manual
- Tag Name: myAnalog
- Value Type



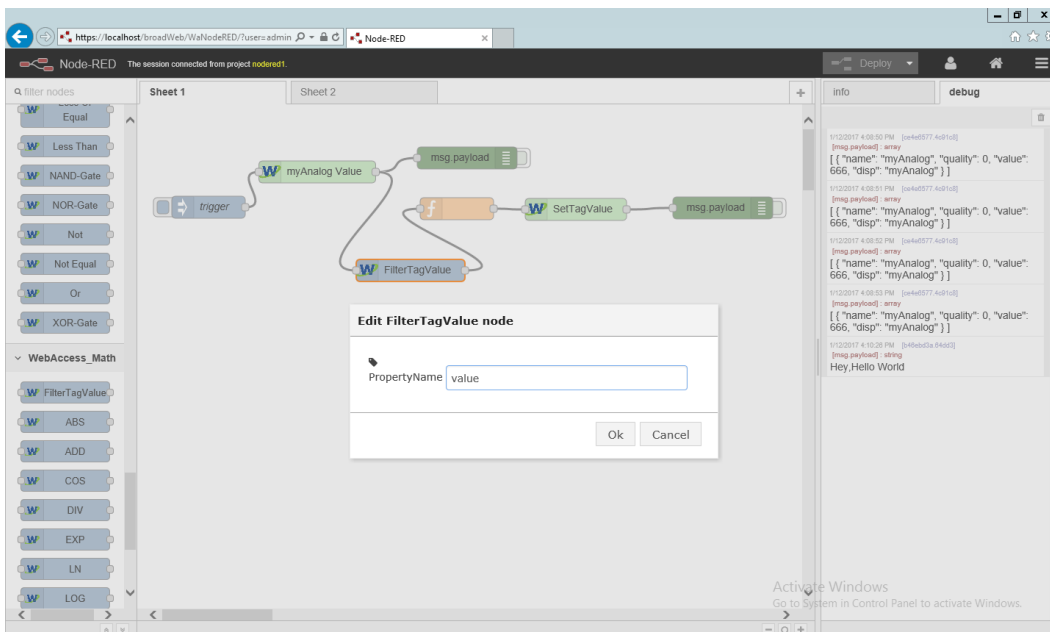
4. Msg.payload: display GetTagValue return message

- Output: message property
- Msg.: payload

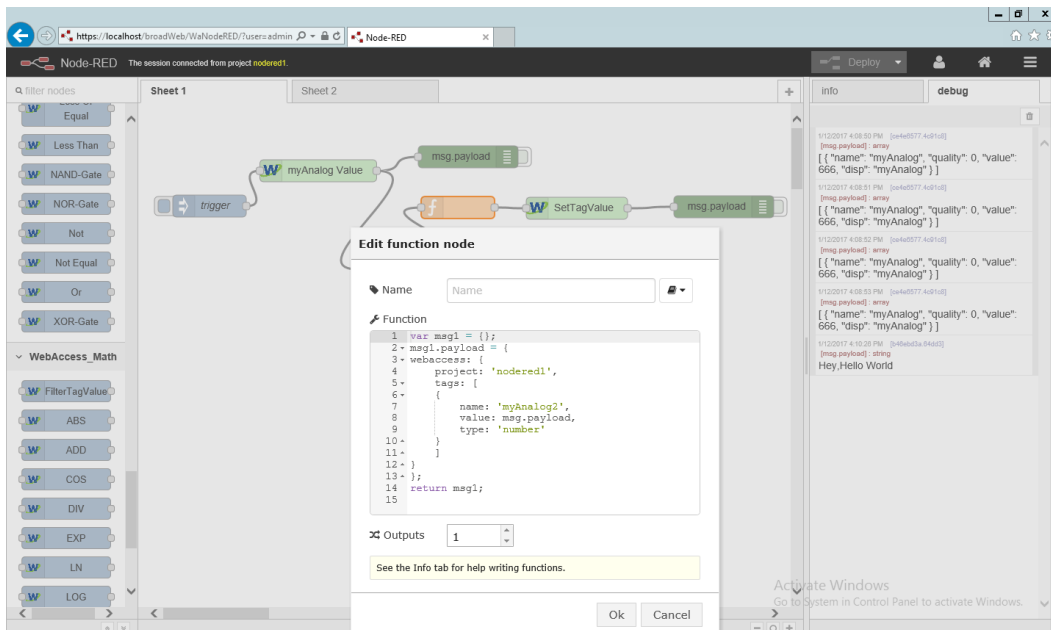


5. FilterTagValue – keep only “value” and ignore other information

- Property Name: value

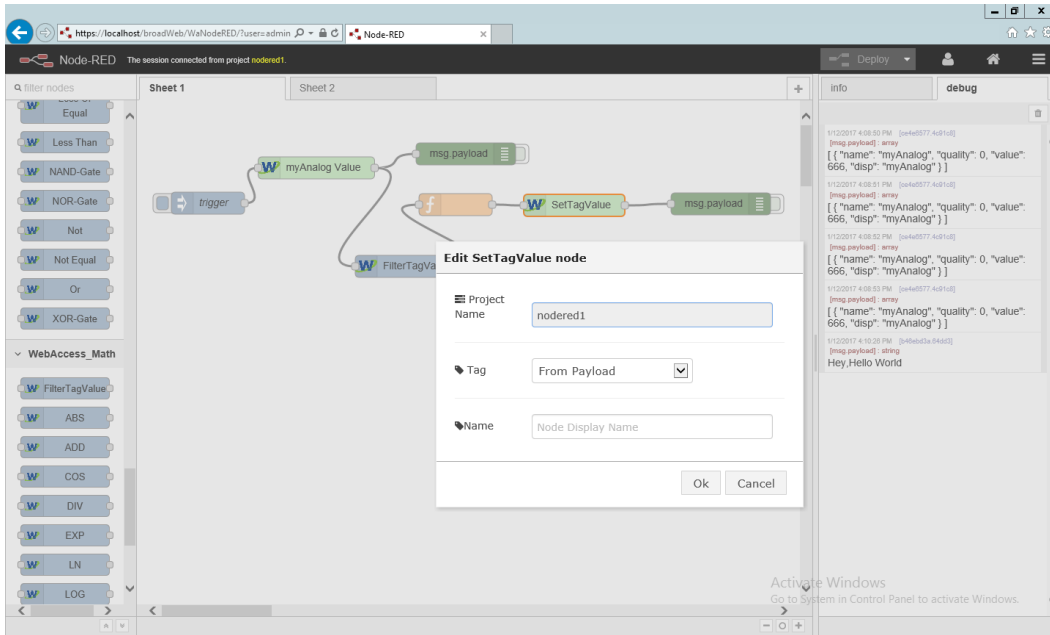


- Function Node – assign myAnalog tag value to myAnalog2, and then repack the package so it will fit WebAccess Node-red format

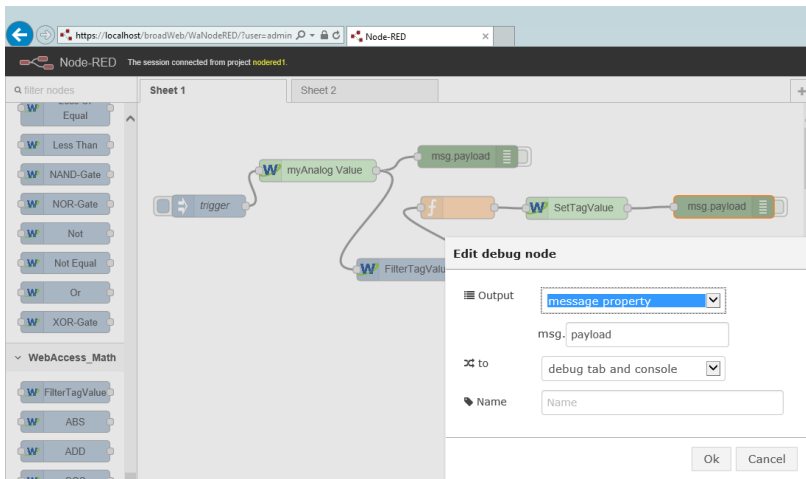


```
var msg1 = {};
msg1.payload = {
  webaccess: {
    project: 'nodered1',
    tags: [
      {
        name: 'myAnalog2',
        value: msg.payload,
        type: 'number'
      }
    ]
  }
};
return msg1;
```

7. SetTagValue Node – modify myAnalog2 tag value

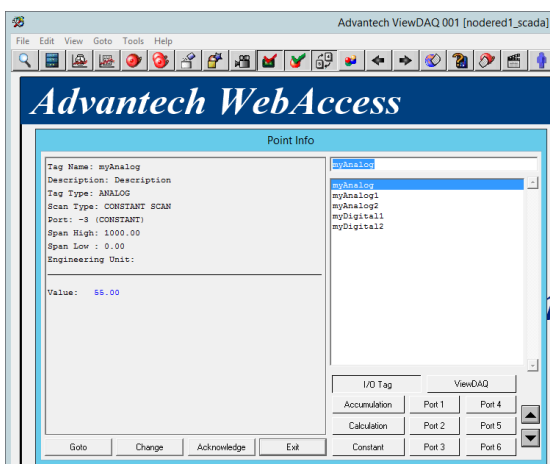


8. Msg.payload Node – output the result



9. Result in ViewDAQ -> Point Info

- myAnalog tag value



- myAnalog2 tag value

