

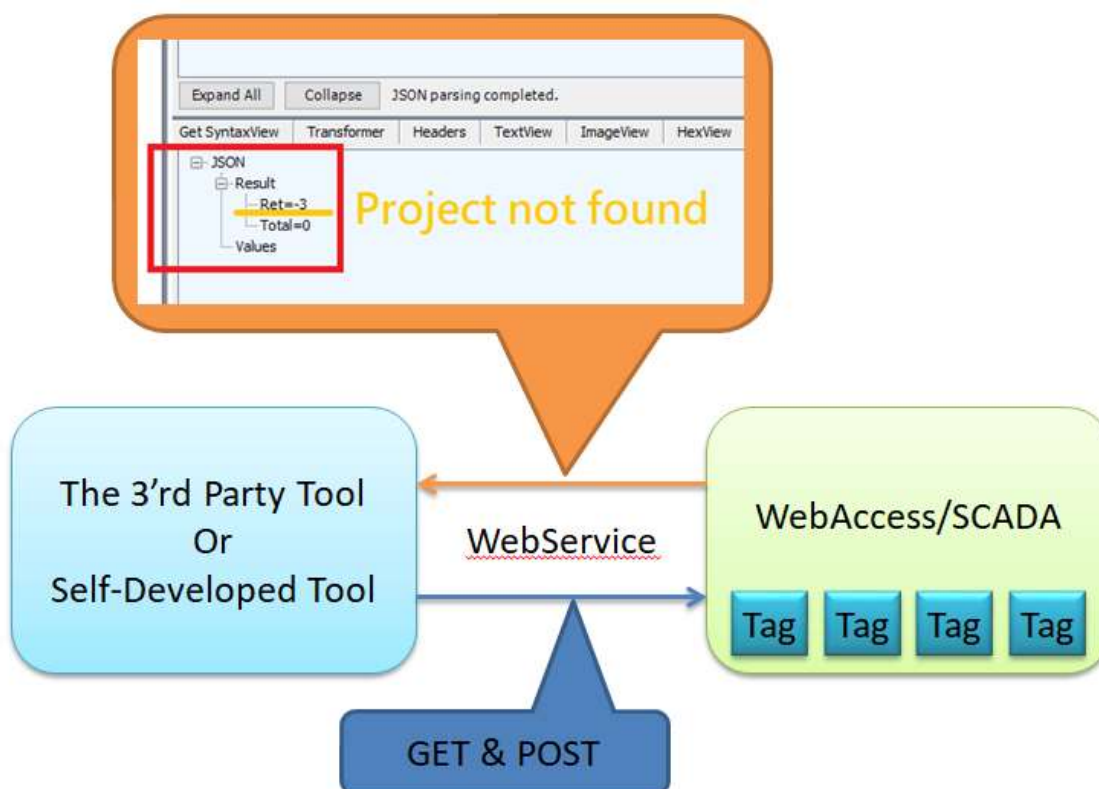
Advantech SE Technical Share Document

Date	2019 / 07 / 02		Related Product	WebAccess, Fiddler	
Category	■ FAQ □ SOP □ Driver Tech Note				
Abstract	使用 Web Service(RESTful API)讀取 WebAccess/SCADA 的 Return Code				
Keyword	WebAccess, Fiddler, WebService				
Related OS					
Revision History					
Date	Version	Author	Reviewer	Description	
2019/07/02	V1.0	Eden.Sun	Nick.Liu	First Edit.	

■ Problem Description & Architecture:

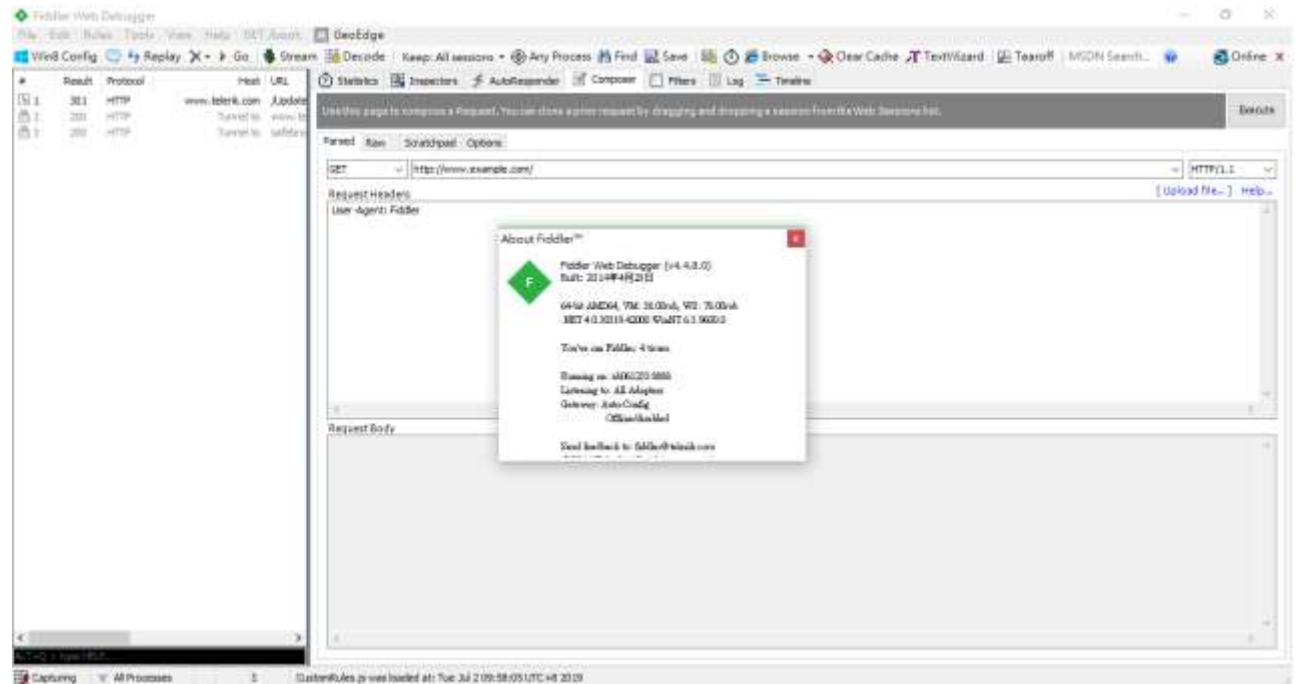
當使用第三方工具或是自行開發的程序透過 WebService(RESTful API)讀寫 WebAccess/SCADA 的 TAG 測點時候，獲取到的返回值所表示的涵義。

其中



■ Brief Solution - Step by Step:

1. 選擇一套第三方軟體工具(本案例使用 Fiddler Web Debugger V4.4.8.0)。



- 開啟軟體工具(本案例使用 JSON 格式)，並於 Composer 的地方，選擇連線種類(GET or POST)、輸入連線的 URL 與 Request Headers 後，進行 Execute。

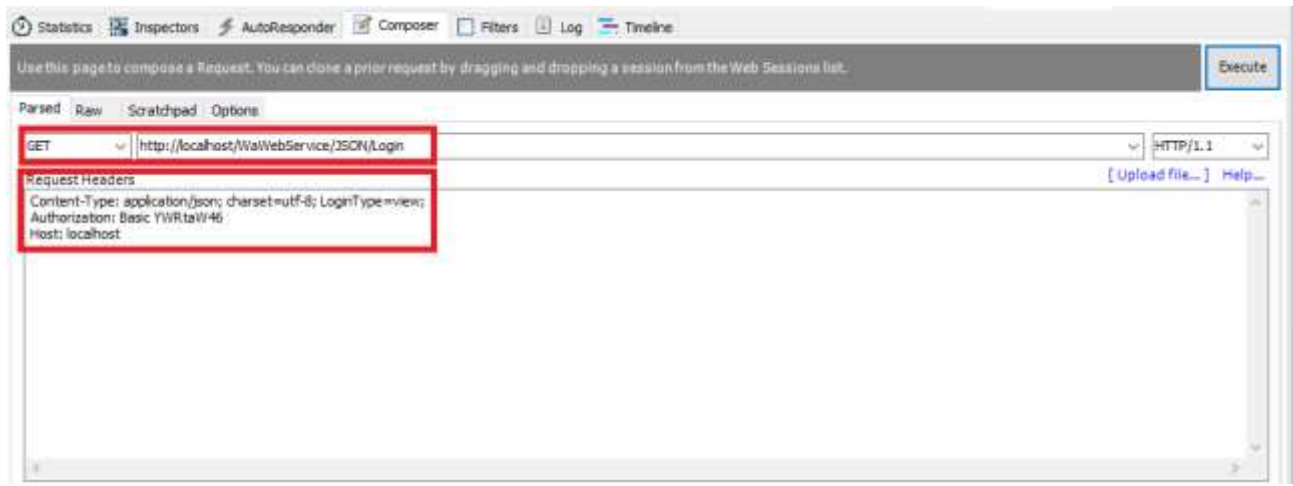
※WebAccess 僅支援 GET 與 POST，若腳本能一行指令完成的用 GET，否則使用 POST

HTTP Method	GET
JSON URL	http://localhost/WaWebService/JSON/Login
Request Headers	Content-Type: application/json; charset=utf-8; LoginType=view; Authorization: Basic YWRtaW46

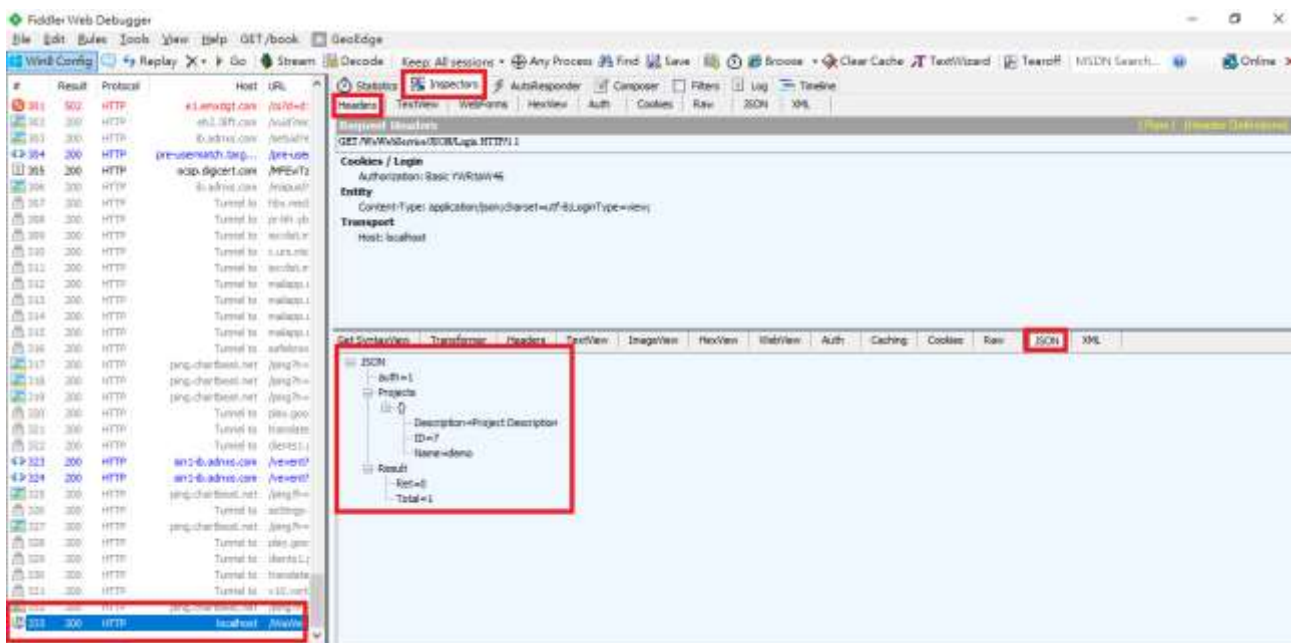
其中 Request Headers 內的參數設定如下：

Content-Type	XML: application/xml JSON: application/json
Charset	charset=utf-8
Login Type	project manager: LoginType=config general user: LoginType=view
Authorization	[Username:Password] need use Basic64 encryption into Request Header [admin:admin] Authorization: Basic YWRtaW46YWRtaW4= [Admin:(No Password)] Authorization: Basic YWRtaW46

可以參考網站來轉換 <https://www.base64encode.org/>



3. 透過左方的通訊清單，找到獲取的數據資料(Inspectors > Headers > JSON)，確認 Login 連線沒有問題。



4. 針對不同連線需求，透過修改 HTTP Method, URL 與 JSON Request 來達成 WebService 去連線 WebAccess。(請參考 WebAccess User Manual 第 27.1 章節來查詢詳細語法與範例)

27.1.1 Logon

1 Logon	HTTP Method: GET XML URL: http://localhost/WaWebService/Logon JSON URL: http://localhost/WaWebService/Json/Logon
2 Server Time	HTTP Method: GET XML URL: http://localhost/WaWebService/ServerTime JSON URL: http://localhost/WaWebService/Json/ServerTime
3 Get User Info	HTTP Method: GET XML URL: http://localhost/WaWebService/GetUserInfo/{ProjectName}

	JSON URL: http://localhost/WaWebService/Json/GetUserInfo/{ProjectName}
4 Get Version	HTTP Method: GET XML URL: http://localhost/WaWebService/GetVersion/{ProjectName} JSON URL: http://localhost/WaWebService/Json/GetVersion/{ProjectName}
5 Get Client Limit	HTTP Method: GET XML URL: http://localhost/WaWebService/GetClientLimit/{ProjectName} JSON URL: http://localhost/WaWebService/Json/GetClientLimit/{ProjectName}

27.1.2 Project

1 Project List	HTTP Method: GET XML URL: http://localhost/WaWebService/ProjectList JSON URL: http://localhost/WaWebService/Json/ProjectList
2 Project Detail	HTTP Method: GET XML URL: http://localhost/WaWebService/ProjectDetail/{ProjectName} JSON URL: http://localhost/WaWebService/Json/ProjectDetail/{ProjectName}

27.1.3 SCADA Node

1 Node List	HTTP Method: GET XML URL: http://localhost/WaWebService/NodeList/{ProjectName} JSON URL: http://localhost/WaWebService/Json/NodeList/{ProjectName}
2 Node Detail	HTTP Method: GET XML URL: http://localhost/WaWebService/NodeDetail/{ProjectName}/{NodeName} JSON URL: http://localhost/WaWebService/Json/NodeDetail/{ProjectName}/{NodeName}

27.1.4 Port

1 Port List	HTTP Method: GET XML URL: http://localhost/WaWebService/PortList/{ProjectName}/{NodeName} JSON URL: http://localhost/WaWebService/Json/PortList/{ProjectName}/{NodeName}
2 Port Detail	HTTP Method: GET XML URL: http://localhost/WaWebService/PortDetail/{ProjectName}/{NodeName}/{Comport} JSON URL: http://localhost/WaWebService/Json/PortDetail/{ProjectName}/{NodeName}/{Comport}

27.1.5 Device

1 Device List	HTTP Method: GET XML URL: http://localhost/WaWebService/DeviceList/{ProjectName}/{NodeName}/{Comport} JSON URL: http://localhost/WaWebService/JSON/DeviceList/{ProjectName}/{NodeName}/{Comport}
2 Device Detail	HTTP Method: GET XML URL:

	http://localhost/WaWebService/DeviceDetail/{ProjectName}/{NodeName}/{Comport}/{DeviceName} JSON URL: http://localhost/WaWebService/JSON/DeviceDetail/{ProjectName}/{NodeName}/{Comport}/{DeviceName}
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27.1.6 Tag and Tag Detail

1 All Tag list of Project Node	HTTP Method: GET XML URL: http://localhost/WaWebService/TagList/{ProjName} JSON URL: http://localhost/WaWebService/Json/TagList/{ProjName}
	HTTP METHOD: POST (Use Filter) XML URL: http://localhost/WaWebService/TagList/{ProjName} XML Request: <pre><TagList> <Filters> <Filter> <Name>TAGNAME</Name> <Value>Con%</Value> </Filter> <Filter> <Name>ANALOG</Name> <Value>FALSE</Value> </Filter> </Filters> </TagList></pre> JSON URL: http://localhost/WaWebService/Json/TagList/{ProjName} JSON Request: <pre>{ "Filters": [{ "Name": "TAGNAME", "Value": "Con%", }, { "Name": "ANALOG", "Value": "FALSE" }]</pre>
2 All Tag list of SCADA node in the Project	HTTP Method: GET XML URL: http://localhost/WaWebService/TagList/{ProjName}/{NodeName} JSON URL: http://localhost/WaWebService/Json/TagList/{ProjName}/{NodeName}
	HTTP Method: POST (Use Filter) XML URL: http://localhost/WaWebService/TagList/{ProjName}/{NodeName} XML Request: The same as 27.1.6.1 JSON URL: http://localhost/WaWebService/Json/TagList/{ProjName}/{NodeName}

	JSON Request: The same as 27.1.6.1
3 All Tag list of the Comport	HTTP Method: GET XML URL: http://localhost/WaWebService/TagList/{ProjName}/{NodeName}/{ComportNbr} JSON URL: http://localhost/WaWebService/Json/TagList/{ProjName}/{NodeName}/{ComportNbr}
	HTTP Method: POST (Use Filter) XML URL: http://localhost/WaWebService/TagList/{ProjName}/{NodeName}/{ComportNbr} XML Request: The same as 27.1.6.1 JSON URL: http://localhost/WaWebService/Json/TagList/{ProjName}/{NodeName}/{ComportNbr} JSON Request: The same as 27.1.6.1
4 All Tag list of the Device	HTTP Method: GET XML URL: http://localhost/WaWebService/TagList/{ProjName}/{NodeName}/{ComportNbr}/{DeviceName} JSON URL: http://localhost/WaWebService/Json/TagList/{ProjName}/{NodeName}/{ComportNbr}/{DeviceName}
	HTTP Method: POST (Use Filter) XML URL: http://localhost/WaWebService/TagList/{ProjName}/{NodeName}/{ComportNbr}/{DeviceName} XML Request: The same as 27.1.6.1 JSON URL: http://localhost/WaWebService/Json/TagList/{ProjName}/{NodeName}/{ComportNbr}/{DeviceName} JSON Request: The same as 27.1.6.1
5 Tag detail Information under Project node	HTTP Method: POST XML URL: http://localhost/WaWebService/TagDetail/{ProjectName} XML Request: <pre> <TagDetail> <Tags> <Tag> <Name>ao-01</Name> <Attributes> <Attribute> <Name>ALL</Name> </Attribute> </Attributes> </Tag> <Tag> <Name>do-01</Name> </pre>

	<pre> <Attributes> <Attribute> <Name>ALL</Name> </Attribute> </Attributes> </Tag> </Tags> </TagDetail> </pre> JSON URL: http://localhost/WaWebService/Json/TagDetail/{ProjectName} JSON Request: <pre> { "Tags":[{ "Name":"String", "Attributes":[{ "Name":"String" }] }] } </pre>
6 Tag detail information of SCADA Node	HTTP Method: POST XML URL: http://localhost/WaWebService/TagDetail/{ProjName}/{NodeName} XML Request: The same as 27.1.6.5 JSON URL: http://localhost/WaWebService/Json/TagDetail{ProjName}/{NodeName} JSON Request: The same as 27.1.6.5

27.1.7 Block

1 All Block list in Project Node	HTTP Method: GET XML URL: http://localhost/WaWebService/BlockList/{ProjectName} JSON URL: http://localhost/WaWebService/Json/BlockList/{ProjectName}
	HTTP Method: POST (Only use TagName as Filter) XML URL: http://localhost/WaWebService/BlockList/{ProjName} XML Request: <pre> <BlockList> <Filters> <Filter> <Name>String</Name> <Value>String</Value> </Filter> <Filter> <Name>String</Name> <Value>String</Value> </Filter> </Filters> </pre>

	</BlockList> JSON URL: http://localhost/WaWebService/Json/BlockList/{ProjName} JSON Request: <pre>{ "Filters": [{ "Name": "String", "Value": "String" }] }</pre>
2 All Block list in SCADA Node	HTTP Method: GET XML URL: http://localhost/WaWebService/BlockList/{ProjName}/{NodeName} JSON URL: http://localhost/WaWebService/Json/BlockList/{ProjName}/{NodeName}
	HTTP Method: POST (Use Filter) XML URL: http://localhost/WaWebService/BlockList/{ProjName}/{NodeName} XML Request: The same as 27.1.7.1 JSON URL: http://localhost/WaWebService/Json/BlockList/{ProjName}/{NodeName} JSON Request: The same as 27.1.7.1
3 All Block list in Comport	HTTP Method: GET XML URL: http://localhost/WaWebService/BlockList/{ProjName}/{NodeName}/{ComportNbr} JSON URL: http://localhost/WaWebService/Json/BlockList/{ProjName}/{NodeName}/{ComportNbr}
	HTTP Method: POST (Use Filter) XML URL: http://localhost/WaWebService/BlockList/{ProjName}/{NodeName}/{ComportNbr} XML Request: The same as 27.1.7.1 JSON URL: http://localhost/WaWebService/Json/BlockList/{ProjName}/{NodeName}/{ComportNbr} JSON Request: The same as 27.1.7.1
4 All Block list of the Device	HTTP Method: GET XML URL: http://localhost/WaWebService/BlockList/{ProjName}/{NodeName}/{ComportNbr}/{DeviceName} JSON URL: http://localhost/WaWebService/Json/BlockList/{ProjName}/{NodeName}/{ComportNbr}/{DeviceName}
	HTTP Method: POST (Use Filter) XML URL: http://localhost/WaWebService/BlockList/{ProjName}/{NodeName}/{ComportNbr}/{DeviceName} XML Request: The same as 27.1.7.1 JSON URL:

	http://localhost/WaWebService/Json/BlockList/{ProjName}/{NodeName}/{ComportNbr}/{Device Name} JSON Request: The same as 27.1.7.1
5 Block detail information in Project Node	HTTP Method: GET XML URL: http://localhost/WaWebService/BlockDetail/{ProjectName}/{BLOCKNAME} JSON URL: http://localhost/WaWebService/Json/BlockDetail/{ProjectName}/{BLOCKNAME}
6 Block detail information in SCADA Node of Project Node	HTTP Method: GET XML URL: http://localhost/WaWebService/TagDetail/{ProjName}/{NodeName}/{BLOCKNAME} JSON URL: http://localhost/WaWebService/Json/TagDetail{ProjName}/{NodeName}/{BLOCKNAME}

27.1.8 Tag Value

1 Get Tag Value in Project Node	HTTP Method: POST XML URL: http://localhost/WaWebService/GetTagValue/{ProjectName} XML Request: <pre><GetTagValue> <Tags> <TagName> <Name>String</Name> </TagName> <TagName> <Name>String</Name> </TagName> </Tags> </GetTagValue></pre> JSON URL: http://localhost/WaWebService/Json/GetTagValue/{ProjectName} JSON Request: <pre>{ "Tags": [{ "Name": "String" }] }</pre>
2 Get Text Tag Value in Project Node	HTTP Method: POST XML URL: http://localhost/WaWebService/GetTagValueText/{ProjectName} XML Request: <pre>< GetTagValueText > <Tags> <TagName> <Name>String</Name> </TagName> <TagName> <Name>String</Name></pre>

	<pre> </TagName> </Tags> </ GetTagValueText > JSON URL: http://localhost/WaWebService/Json/ GetTagValueText /{ProjectName} JSON Request: { "Tags":[{ "Name":"String" }] }</pre>
3 Set Tag Value in Project Node	HTTP Method: GET XML URL: http://localhost/WaWebService/SetTagValue/{ProjectName}/{TagName}/{Value} JSON URL: http://localhost/WaWebService/Json/SetTagValue/{ProjectName}/{TagName}/{Value}
	HTTP Method: POST XML URL: http://localhost/WaWebService/SetTagValue/{ProjectName} XML Request: <pre> <SetTagValue> <Tags> <Tag> <Name>String</Name> <Value>1.26743233E+15</Value> </Tag> <Tag> <Name>String</Name> <Value>1.26743233E+15</Value> </Tag> </Tags> </SetTagValue> JSON URL: http://localhost/WaWebService/Json/SetTagValue/{ProjectName} JSON Request: { "Tags":[{ "Name":"String", "Value":1.26743233E+15 }] }</pre>
4 Set Tag Value in SCADA Node	HTTP Method: GET XML URL: http://localhost/WaWebService/SetTagValue/{ProjectName}/{NodeName}/{TagName}/{Value} JSON URL: http://localhost/WaWebService/Json/SetTagValue/{ProjectName}/{NodeName}/{TagName}/{Value}
	HTTP Method: POST XML URL: http://localhost/WaWebService/SetTagValue/{ProjectName}/{ScadaName} XML Request:

	The same as 27.1.8.3 JSON URL: http://localhost/WaWebService/Json/SetTagValue/{ProjectName}/{ScadaName} JSON Request: The same as 27.1.8.3
5 Set Text Tag Value in Project Node	HTTP Method: GET XML URL: http://localhost/WaWebService/SetTagValueText/{ProjectName}/{TagName}/{TextValue} JSON URL: http://localhost/WaWebService/Json/SetTagValueText/{ProjectName}/{TagName}/{TextValue} HTTP Method: POST XML URL: http://localhost/WaWebService/SetTagValueText/{ProjectName} XML Request: <pre><SetTagValueText> <Tags> <Tag> <Name>String</Name> <Value>String</Value> </Tag> <Tag> <Name>String</Name> <Value>String</Value> </Tag> </Tags> </SetTagValueText></pre> JSON URL: http://localhost/WaWebService/Json/SetTagValueText/{ProjectName} JSON Request: <pre>{ "Tags": [{ "Name": "String", "Value": "String" }] }</pre>
6 Set Text Tag Value in SCADA Node	HTTP Method: GET XML URL: http://localhost/WaWebService/SetTagValueText/{ProjectName}/{NodeName}/{TagName}/{TextValue} JSON URL: http://localhost/WaWebService/Json/SetTagValueText/{ProjectName}/{NodeName}/{TagName}/{TextValue} HTTP Method: POST XML URL: http://localhost/WaWebService/SetTagValueText/{ProjectName}/{ScadaName} XML Request: The same as 27.1.8.5 JSON URL: http://localhost/WaWebService/Json/SetTagValueText/{ProjectName}/{ScadaName} JSON Request:

	The same as 27.1.8.5
7 Subscribe Real Time Tag	HTTP Method: POST XML URL: http://localhost/WaWebService/SubscribeRealTimeTag/{ProjectName} XML Request: <pre><SubscribeRealTimeTag> <Interval>Value</Interval> <Records>Value</Records> <Total>Value</Total> <Tags> <Tag> <Name>String</Name> </Tag> <Tag> <Name>String</Name> </Tag> </Tags> </SubscribeRealTimeTag></pre> JSON URL: http://localhost/WaWebService/Json/SubscribeRealTimeTag/{ProjectName} JSON Request: <pre>{ "Interval":Value, "Records":Value, "Total":Value, "Tags": [{ { "Name": "String" }, { "Name": "String" }] }</pre>
8 Unsubscribe Real Time Tag	HTTP Method: POST XML URL: http://localhost/WaWebService/UnsubscribeRealTimeTag/{ProjectName} XML Request: <pre><UnsubscribeRealTimeTag> <UnsubscriptionID>Value</UnsubscriptionID> </UnsubscribeRealTimeTag></pre> JSON URL: http://localhost/WaWebService/Json/UnsubscribeRealTimeTag/{ProjectName} JSON Request: <pre>{ "UnsubscriptionID":Value, }</pre>
9 Get Real Time Tag Value	HTTP Method: POST XML URL: http://localhost/WaWebService/GetRealTimeTagValue/{ProjectName} XML Request: <pre><GetRealTimeTagValue> <SubscriptionID>Value</SubscriptionID> </GetRealTimeTagValue></pre>

	JSON URL: http://localhost/WaWebService/Json/GetRealTimeTagValue/{ProjectName} JSON Request: <pre>{ "SubscriptionID":Value, }</pre>
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27.1.9 Station Status

1 Get Comport Status	HTTP Method: GET XML URL: http://localhost/WaWebService/GetComportStatus/{ProjectName}/{NodeName} JSON URL: http://localhost/WaWebService/Json/GetComportStatus/{ProjectName}/{NodeName}
2 Get Device Status	HTTP Method: GET XML URL: http://localhost/WaWebService/GetDeviceStatus/{ProjectName}/{NodeName}/{PORT} JSON URL: http://localhost/WaWebService/Json/GetDeviceStatus/{ProjectName}/{NodeName}/{PORT}
3 Get Station Status	HTTP Method: GET XML URL: http://localhost/WaWebService/GetDeviceStatus/{ProjectName}/{NodeName} JSON URL: http://localhost/WaWebService/Json/GetDeviceStatus/{ProjectName}/{NodeName}
4 Set Comport Status	HTTP Method: GET XML URL: http://localhost/WaWebService/SetComportStatus/{ProjectName}/{NodeName}/{PORT}{State} JSON URL: http://localhost/WaWebService/Json/SetComportStatus/{ProjectName}/{NodeName}/{PORT}{State}
5 Set Device Status	HTTP Method: GET XML URL: http://localhost/WaWebService/SetDeviceStatus/{ProjectName}/{NodeName}/{PORT}/{UNIT}/{STATE} JSON URL: http://localhost/WaWebService/Json/SetDeviceStatus/{ProjectName}/{NodeName}/{PORT}/{UNIT}/{STATE}

27.1.10 Data Log

1 Get Data Log	HTTP Method: POST XML URL: http://localhost/WaWebService/GetDataLog/{ProjectName} http://localhost/WaWebService/GetDataLog/{ProjectName}/{NodeName} XML Request: <pre><GetDataLog> <StartTime>yyyy-mm-dd HH:MM:SS</StartTime> <IntervalType>M</IntervalType></pre>
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	<pre> <Interval>1</Interval> <Records>2</Records> <Tags> <Tag> <Name>Tag1</Name> <DataType>0</DataType> </Tag> <Tag> <Name>Tag2</Name> <DataType>0</DataType> </Tag> </Tags> </GetDataLog> </pre> JSON URL: http://localhost/WaWebService/Json/GetDataLog/{ProjectName} http://localhost/WaWebService/Json//GetDataLog/{ProjectName}/{NodeName} JSON Request: <pre> { "StartTime": "String", "IntervalType": "String", "Interval": Value, "Records": Value, "Tags": [{ "Name": "String", "DataType": "String" }] } </pre>
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27.1. 11 Alarm

1 Get Alarm Summary Count	HTTP Method: GET XML URL: http://localhost/WaWebService/GetAlarmSummaryCount/{ProjectName}/{NodeName} JSON URL: http://localhost/WaWebService/Json/GetAlarmSummaryCount/{ProjectName}/{NodeName}
2 Get Alarm Summary	HTTP Method: GET XML URL: http://localhost/WaWebService/GetAlarmSummary/{ProjectName}/{start}/{count} JSON URL: http://localhost/WaWebService/Json/GetAlarmSummary/{ProjectName}/{start}/{count}
3 Get Alarm Log Count	HTTP Method: GET XML URL: http://localhost/WaWebService/GetAlarmLogCount/{ProjectName}/{NodeName} XML URL: http://localhost/WaWebService/Json/GetAlarmLogCount/{ProjectName}/{NodeName}
4 Get Alarm Log	HTTP Method: GET

Index	XML URL: http://localhost/WaWebService/GetAlarmLogIndex/{ProjectName}/{NodeName} JSON URL: http://localhost/WaWebService/Json/GetAlarmLogIndex/{ProjectName}/{NodeName}
5 Get Alarm Log	HTTP Method: GET XML URL: http://localhost/WaWebService/GetAlarmLog/{ProjectName}/{NodeName}/{Start}/{Count} JSON URL: http://localhost/WaWebService/Json/GetAlarmLog/{ProjectName}/{NodeName}/{Start}/{Count}
6 Alarm Ack	Acknowledge Alarm in Project Node HTTP Method: POST XML URL: http://localhost/WaWebService/AlarmAck/{ProjectName} XML Request: <pre><AlarmAck> <IpAddress>String</IpAddress> <Computer>String</Computer> <User>String</User> <Tags> <TagName> <Name>String</Name> </TagName> <TagName> <Name>String</Name> </TagName> </Tags> </AlarmAck></pre> JSON URL: http://localhost/WaWebService/Json/AlarmAck/{ProjectName} JSON Request: <pre>{ "IpAddress": "String", "Computer": "String", "User": "String", "Tags": [{ "Name": "String" }] }</pre> Acknowledge Alarm in SCADA Node HTTP Method: POST XML URL: http://localhost/WaWebService/AlarmAck/{ProjectName}/{NodeName} XML Request: <pre><AlarmAck> <IpAddress>String</IpAddress> <Computer>String</Computer> <User>String</User> <Tags> <TagName></pre>

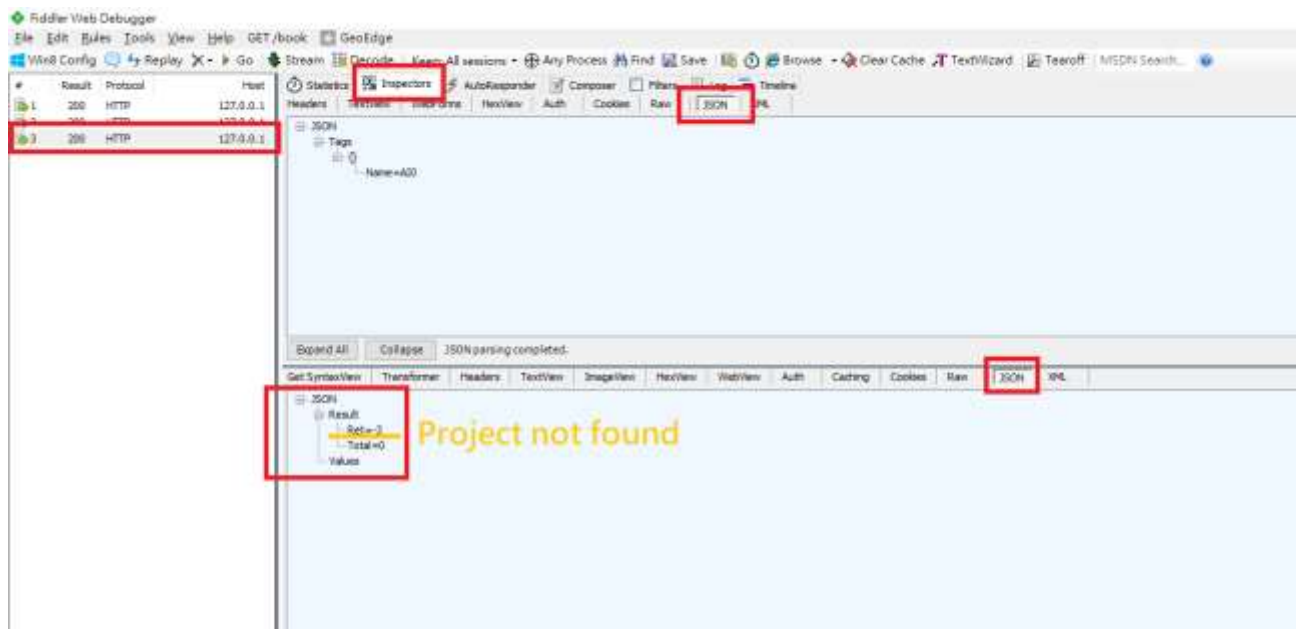
	<pre> <Name>String</Name> </TagName> <TagName> <Name>String</Name> </TagName> </Tags> </AlarmAck> </pre> JSON URL: http://localhost/WaWebService/Json/AlarmAck/{ProjectName}/{NodeName} JSON Request: <pre> { "IpAddress": "String", "Computer": "String", "User": "String", "Tags": [{ "Name": "String" }] } </pre>
7 Alarm Ack All	Acknowledge All Alarm in Project Node HTTP Method: POST XML URL: http://localhost/WaWebService/AlarmAckAll/{ProjectName} XML Request: <pre> <AlarmAckAll> <IpAddress>String</IpAddress> <Computer>String</Computer> <User>String</User> </AlarmAckAll> </pre> JSON URL: http://localhost/WaWebService/Json/AlarmAckAll/{ProjectName} JSON Request: <pre> { "IpAddress": "String", "Computer": "String", "User": "String" } </pre>
	Acknowledge All Alarm in SCADA Node HTTP Method: POST XML URL: http://localhost/WaWebService/AlarmAckAll/{ProjectName}/{NodeName} XML Request: <pre> <AlarmAckAll> <IpAddress>String</IpAddress> <Computer>String</Computer> <User>String</User> </AlarmAckAll> </pre> JSON URL: http://localhost/WaWebService/Json/AlarmAckAll/{ProjectName}/{NodeName} JSON Request: <pre> { </pre>

	<pre> "IpAddress": "String", "Computer": "String", "User": "String", </pre>
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27.1.12 Action Log

1 Get Action Log Count	HTTP Method: GET XML URL: http://localhost/WaWebService/GetActionLogCount/{ProjectName}/{NodeName} JSON URL: http://localhost/WaWebService/Json/GetActionLogCount/{ProjectName}/{NodeName}
2 Get Action Log Index	HTTP Method : GET XML URL: http://localhost/WaWebService/GetActionLogIndex/{ProjectName}/{NodeName} JSON URL: http://localhost/WaWebService/Json/GetActionLogIndex/{ProjectName}/{NodeName}
3 Get Action Log	HTTP Method: GET XML URL: http://localhost/WaWebService/GetActionLog/{ProjectName}/{NodeName}/{Start}/{Count} JSON URL: http://localhost/WaWebService/Json/GetActionLog/{ProjectName}/{NodeName}/{Start}/{Count}

5. 針對第三方軟體去詢問 WebAccess 的測點之後，會取得 JSON 得回覆訊息，針對 JSON > Result > Ret 所回覆的數值來判斷是卡在哪個地方了。



✧ 錯誤訊息代碼 : (Ret)

- 1 : Node not found
- 2 : Tag not found
- 3 : Project not found

- 4 : No dashboard option
- 5 : RPC Failure
- 6 : Bad quality
- 7 : Invalid Parameter
- 8 : Check hardkey fail
- 9 : 標準版不支援 Web Service
- 10 : 執行 RPC command 失敗
- 11 : Comport number error
- 12 : Device Unit Number error
- 13 : SetTagValue 的參數{Value}不是數值
- 100 : 標準版不支援 Web Service
- 101 : Subscription Not Created
- 102 : Create Subscription In Progress
- 103 : Create Monitored Item In Progress
- 104 : Monitored Item Not Created
- 105 : No Active Node
- 106 : Point Not Found
- 107 : Invalid Array Index
- 108 : Array Point Error
- 109 : Local Array Point Error
- 110 : Bad Quality
- 111 : Permission Denied
- 112 : User Name Or Password Error
- 113 : Invalid Parameter

■ **Pin Definition (in case of serial connection):**

■ **Reference:**

WebAccess User Manual 27.