

PME9.0 PM2000 DIDO 默认驱动中在 Vista 中不能连接到状态对象如何修改

问题描述:

PM2000 DI/DO 默认驱动中在 Vista 中不能连接到状态对象，如何修改？

解决方案:

步骤如下：

本示例以 DI 为例进行说明，DO 可参考此方法。

1. 参考如下路径找到 PM2000 的.ion / .xml 文件，备份到其他路径。

C:\Program Files (x86)\Schneider Electric\Power Monitoring Expert\system\translators

2. 修改 ion 文件

修改前：

```

500 <t:ION t:SA="ModuleObj" t:H="142606592" t:P="136" t:N="Slot A Digital Input 1" t:CI="Universal_Module">
501   <t:OH>
502     <t:ION t:SA="RegisterObj" t:H="142606593" t:P="142606592" t:N="A-DI1 Type" t:CI="String_Register"/>
503     <t:ION t:SA="RegisterObj" t:H="142606594" t:P="142606592" t:N="A-DI1 On Time" t:CI="NumericVariable_Register"/>
504     <t:ION t:SA="RegisterObj" t:H="142606595" t:P="142606592" t:N="A-DI1 Control Mode" t:CI="String_Register"/>
505     <t:ION t:SA="RegisterObj" t:H="142606596" t:P="142606592" t:N="A-DI1 Count" t:CI="NumericVariable_Register"/>
506     <t:ION t:SA="RegisterObj" t:H="142606597" t:P="142606592" t:N="A-DI1 Status" t:CI="String_Register"/>
507   </t:OH>
508   <t:SH>
509     <t:ION t:SA="RegisterObj" t:H="142606598" t:P="142606592" t:N="A-DI1 Label" t:CI="String_Register"/>
510     <t:ION t:SA="RegisterObj" t:H="142606599" t:P="142606592" t:N="A-DI1 Debounce Time" t:CI="NumericVariable_Register"/>
511   </t:SH>
512 </t:ION>
513 <t:ION t:SA="ModuleObj" t:H="142606848" t:P="136" t:N="Slot A Digital Input 2" t:CI="Universal_Module">
514   <t:OH>
515     <t:ION t:SA="RegisterObj" t:H="142606849" t:P="142606848" t:N="A-DI2 Type" t:CI="String_Register"/>
516     <t:ION t:SA="RegisterObj" t:H="142606850" t:P="142606848" t:N="A-DI2 On Time" t:CI="NumericVariable_Register"/>
517     <t:ION t:SA="RegisterObj" t:H="142606851" t:P="142606848" t:N="A-DI2 Control Mode" t:CI="String_Register"/>
518     <t:ION t:SA="RegisterObj" t:H="142606852" t:P="142606848" t:N="A-DI2 Count" t:CI="NumericVariable_Register"/>
519     <t:ION t:SA="RegisterObj" t:H="142606853" t:P="142606848" t:N="A-DI2 Status" t:CI="String_Register"/>
520   </t:OH>
521   <t:SH>
522     <t:ION t:SA="RegisterObj" t:H="142606854" t:P="142606848" t:N="A-DI2 Label" t:CI="String_Register"/>
523     <t:ION t:SA="RegisterObj" t:H="142606855" t:P="142606848" t:N="A-DI2 Debounce Time" t:CI="NumericVariable_Register"/>
524   </t:SH>
525 </t:ION>
```

修改后：

```

515 <t:ION t:SA="ModuleObj" t:H="142606592" t:P="136" t:N="Slot A Digital Input 1" t:CI="Universal_Module">
516   <t:OH>
517     <t:ION t:SA="RegisterObj" t:H="142606593" t:P="142606592" t:N="A-DI1 Type" t:CI="String_Register"/>
518     <t:ION t:SA="RegisterObj" t:H="142606594" t:P="142606592" t:N="A-DI1 On Time" t:CI="NumericVariable_Register"/>
519     <t:ION t:SA="RegisterObj" t:H="142606595" t:P="142606592" t:N="A-DI1 Control Mode" t:CI="String_Register"/>
520     <t:ION t:SA="RegisterObj" t:H="142606596" t:P="142606592" t:N="A-DI1 Count" t:CI="NumericVariable_Register"/>
521     <t:ION t:SA="RegisterObj" t:H="142606597" t:P="142606592" t:N="A-DI1 Status" t:CI="Boolean_Register"/>
522     <t:ION t:SA="BoolObj" t:H="142606600" t:P="142606592" t:N="A-DI1 Status Valid" t:CI="Boolean_Register"/> -----
523   </t:OH>
524   <t:SH>
525     <t:ION t:SA="RegisterObj" t:H="142606598" t:P="142606592" t:N="A-DI1 Label" t:CI="String_Register"/>
526     <t:ION t:SA="RegisterObj" t:H="142606599" t:P="142606592" t:N="A-DI1 Debounce Time" t:CI="NumericVariable_Register"/>
527   </t:SH>
528 </t:ION>
529   <t:ION t:SA="ModuleObj" t:H="142606848" t:P="136" t:N="Slot A Digital Input 2" t:CI="Universal_Module">
530     <t:OH>
531       <t:ION t:SA="RegisterObj" t:H="142606849" t:P="142606848" t:N="A-DI2 Type" t:CI="String_Register"/>
532       <t:ION t:SA="RegisterObj" t:H="142606850" t:P="142606848" t:N="A-DI2 On Time" t:CI="NumericVariable_Register"/>
533       <t:ION t:SA="RegisterObj" t:H="142606851" t:P="142606848" t:N="A-DI2 Control Mode" t:CI="String_Register"/>
534       <t:ION t:SA="RegisterObj" t:H="142606852" t:P="142606848" t:N="A-DI2 Count" t:CI="NumericVariable_Register"/>
535       <t:ION t:SA="RegisterObj" t:H="142606853" t:P="142606848" t:N="A-DI2 Status" t:CI="Boolean_Register"/>
536       <t:ION t:SA="BoolObj" t:H="142606856" t:P="142606848" t:N="A-DI2 Status Valid" t:CI="Boolean_Register"/> -----
537   </t:OH>

```

3. 修改 xml 文件

修改前：

```

536 <ModbusInfo IONHandle="142606597" Name="A-DI1 Status" ModbusAddress="402551" RequestType="R" Format="UINT16" Mask="0x8001" EnumName="DIOStatus" />
537 <ModbusInfo IONHandle="142606853" Name="A-DI2 Status" ModbusAddress="402551" RequestType="R" Format="UINT16" Mask="0x8002" Scale="2" EnumName="DIOStatus" />
538 <ModbusInfo IONHandle="142607111" Name="A-D01 Status" ModbusAddress="402567" RequestType="R" Format="UINT16" Mask="0x8001" EnumName="DIOStatus" />
539 <ModbusInfo IONHandle="142607367" Name="A-D02 Status" ModbusAddress="402567" RequestType="R" Format="UINT16" Mask="0x8002" Scale="2" EnumName="DIOStatus" />
540 <ModbusInfo IONHandle="142607108" Name="A-D01 Enabled" ModbusAddress="409304" RequestType="R" Format="UINT16" NotAvailableValue="0xFFFF" />

```

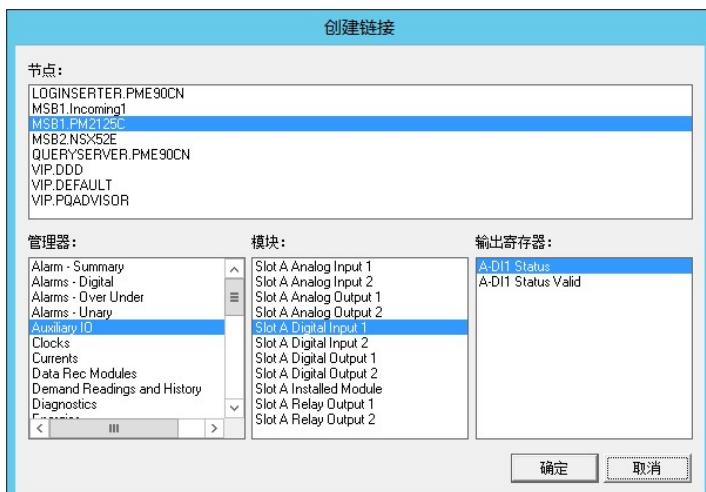
修改后：

```

536 <ModbusInfo IONHandle="142606597" Name="A-DI1 Status" ModbusAddress="402551" RequestType="R" Format="MaskedBool" Mask="0x8001" />
537 <ModbusInfo IONHandle="142606853" Name="A-DI2 Status" ModbusAddress="402551" RequestType="R" Format="MaskedBool" Mask="0x8002" Scale="2" />
538 <ModbusInfo IONHandle="142607111" Name="A-D01 Status" ModbusAddress="402567" RequestType="R" Format="UINT16" Mask="0x8001" EnumName="DIOStatus" />
539 <ModbusInfo IONHandle="142607367" Name="A-D02 Status" ModbusAddress="402567" RequestType="R" Format="UINT16" Mask="0x8002" Scale="2" EnumName="DIOStatus" />

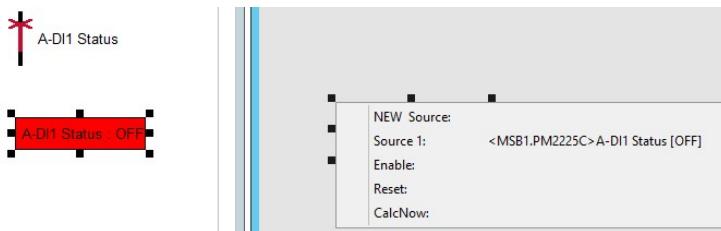
```

保存后重启一下 ION Network Router Service 服务后再到 Vista 中关联 DI。

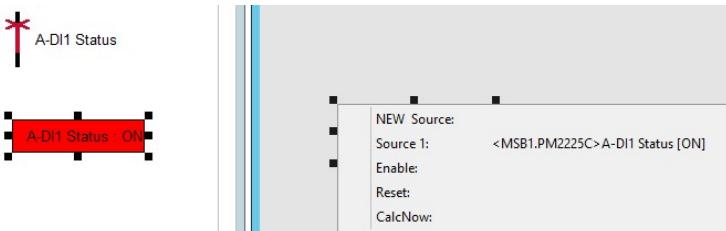


注意只修改`.ion`, 不改`.xml`在 Vista 中的状态不正常:

DI1=OFF



DI1=ON



修改后在 Vista 中测试 DI 在 ON/OFF 时的状态:

OFF ON



A-DI1 Status : false

A-DI1 Status : true

 A-DI1 Status

 A-DI1 Status