

PSO2020 如何配置单线图着色功能

问题描述:

PSO2020 如何配置单线图着色功能

解决方案:

请参考如下配置步骤和诊断方法:

1. 添加参数

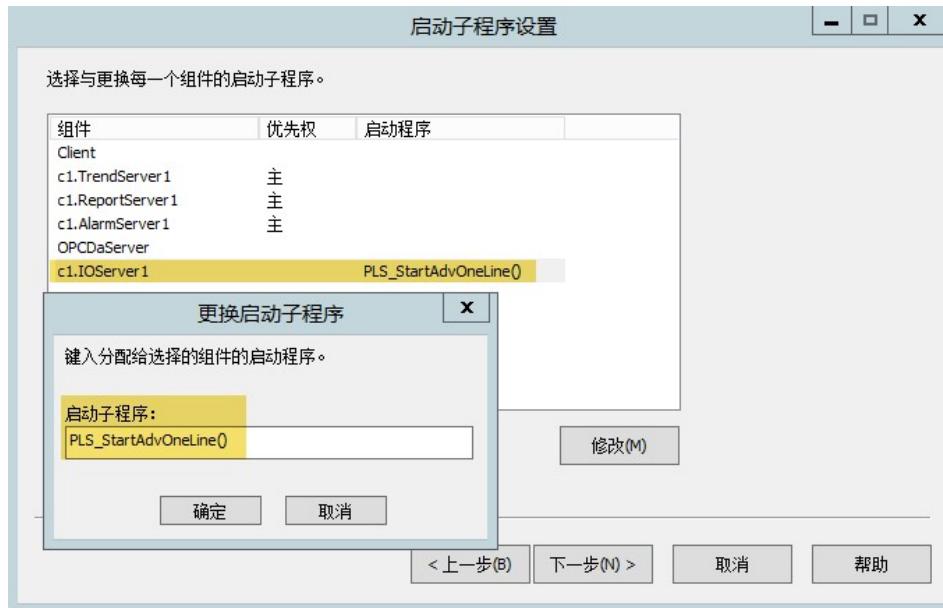
[CTAPI]Remote=1

2. 一定要运行一下 单线图配置实用工具。

检查是否有编号配置错误

根据需要修改源的颜色。

3. 设置向导, 启动 PLS_StartAdvOneLine()进程:



4. 角色----允许执行

EcoStruxure Power SCADA Operation 2020 R2.1 - P3Wave [活跃工程]

安全性 | 角色 **用户**

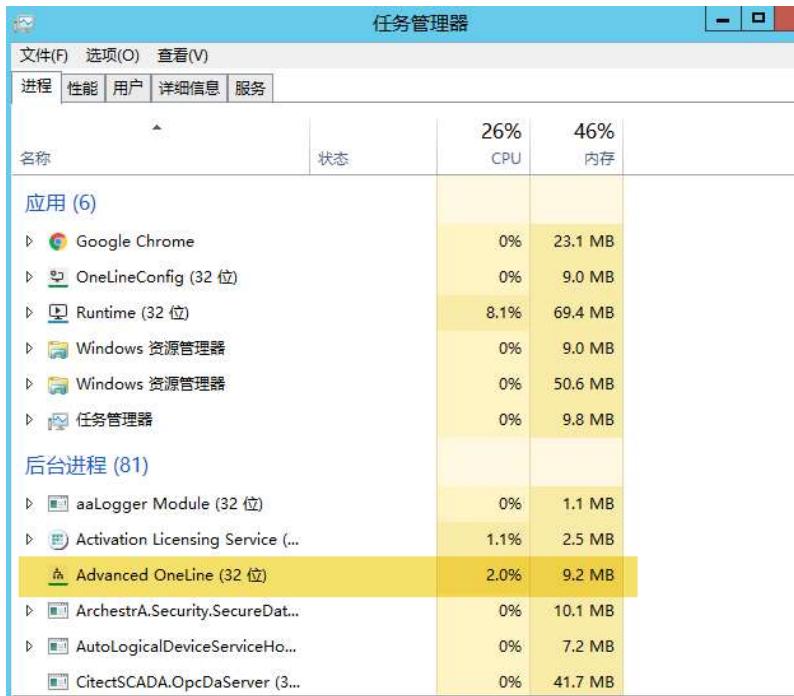
保存 舍弃 复制 粘贴 删除行 导出全部 导入全部

行	角色名称	Windows 组	权限	允许RPC	允许执行	管理用户	注释	进入命令	工程
1	Supervisor		1.8	TRUE	FALSE	TRUE			P3Wave
2	Operator		1.4	TRUE	FALSE	FALSE			P3Wave
3	Controller		1.6	TRUE	FALSE	FALSE			P3Wave
4	User		1.2	TRUE	FALSE	FALSE			P3Wave
5	Role0		0	TRUE	TRUE	FALSE			P3Wave

5. 确认服务器有 PSO 授权，在 ACU 中验证通过：



6. 运行工程后，检查 AdvanceOneLine 进程是否运行



Adv 启动正常时，PSO Runtime 页面上的 Virtual.OneLineDevice 的状态为 normal:

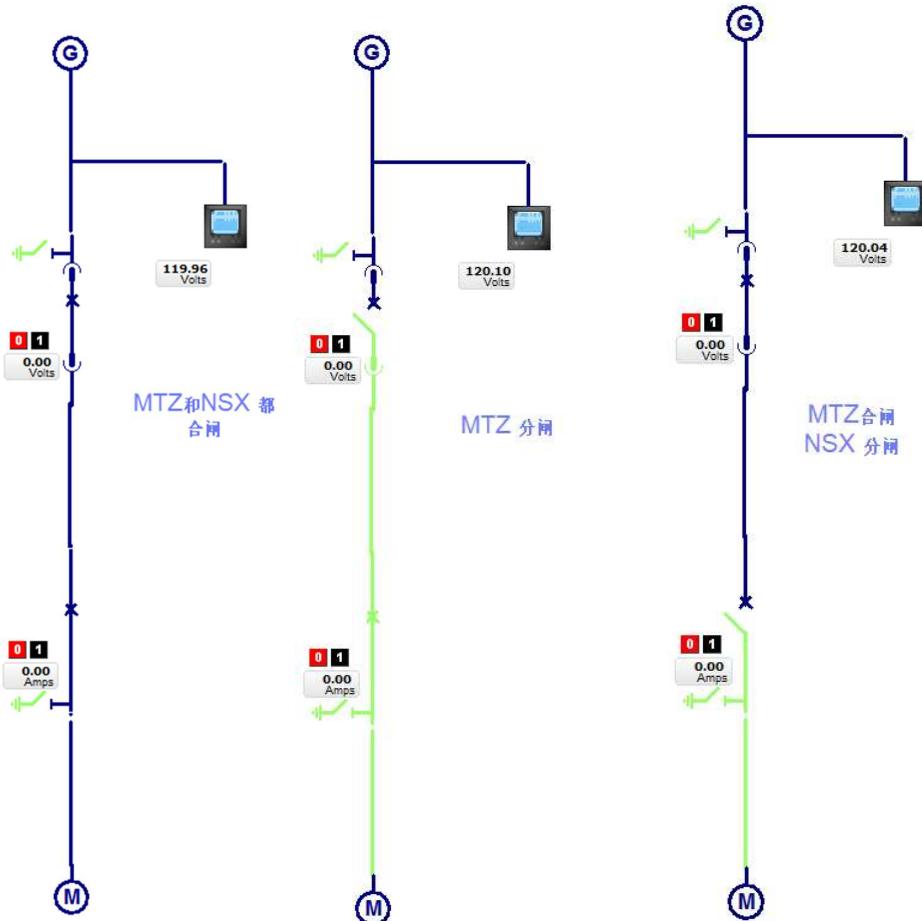
2021/6/2 16:18:25.610 Meter.PM8000	Disturbance	Appearance
2021/5/22 08:59:18.395 Meter.PM8000	Input 02 Alarm	Appearance
2000/1/1 00:00:07.000 NSX52E	Under Frequency	Appearance
2021/6/4 19:43:18.222 Virtual.OneLineDevice AdvOneLine - Primary Logic Engine Status Normal		
2021/6/4 18:51:25.726 Virtual.OneLineDevice AdvOneLine - Device Status Normal		

如果进程没有运行，或者设备通讯故障，单线图默认是红黑闪烁（下图中的错误颜色）

7. 示例，工程中配置颜色如下：



分合断路器时，颜色的变化如下：



8. 故障查看：

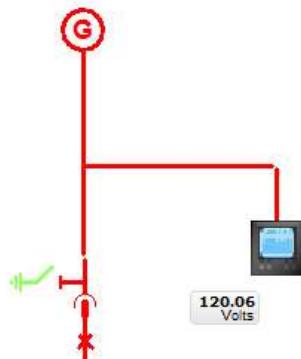
- ① 如果不变色，或者发现着色不正常，可以进到工程目录 C:\ProgramData\Schneider Electric\Power SCADA Operation\v2020 R2\User\P3Wave，查看 AdvOneLineStatusLog.txt，看 log 记录

```
=====
== Start Log ==
=====
(2021/6/4 17:07:48) INFO: Advanced One Line Application Started
(2021/6/4 17:07:48) INFO: Error trimming log file. (2021/6/4 17:08:48) ERROR: Application could not connect to the IO Server within 60 seconds.
  Ensure the user name and password is correct.
  Ensure the user name as write privileges in citect.
  If SCADA is in networked mode, ensure [CtApi] Remote is set to '1'.
  Ensure the zOL device is online. If the system is redundant, ensure there is a redundant zOL device.
(2021/6/4 17:08:48) INFO: Advanced One Line Application Halted
=====
== End Log ==
=====
```

② AdvOneLineDevice 的状态为 failed

2021/6/4 19:11:52.428	Virtual.OneLineDevice	AdvOneLine - Primary Logic Engine Status Failed
2021/6/2 16:18:25.610	Meter.PM8000	Disturbance Appearance
2021/5/22 08:59:18.395	Meter.PM8000	Input 02 Alarm Appearance
2000/1/1 00:00:07.000	NSX52E	Under Frequency Appearance
2021/6/4 18:51:25.726	Virtual.OneLineDevice	AdvOneLine - Device Status Normal

ALARMS/EVENTS ANALYSIS



可以尝试：

- ①重启 IOServer
- ②重新 打开单线配置实用程序 检查是否有错误
- ③重新运行一遍 计算机设置向导
- ④重新运行 runtime 工程