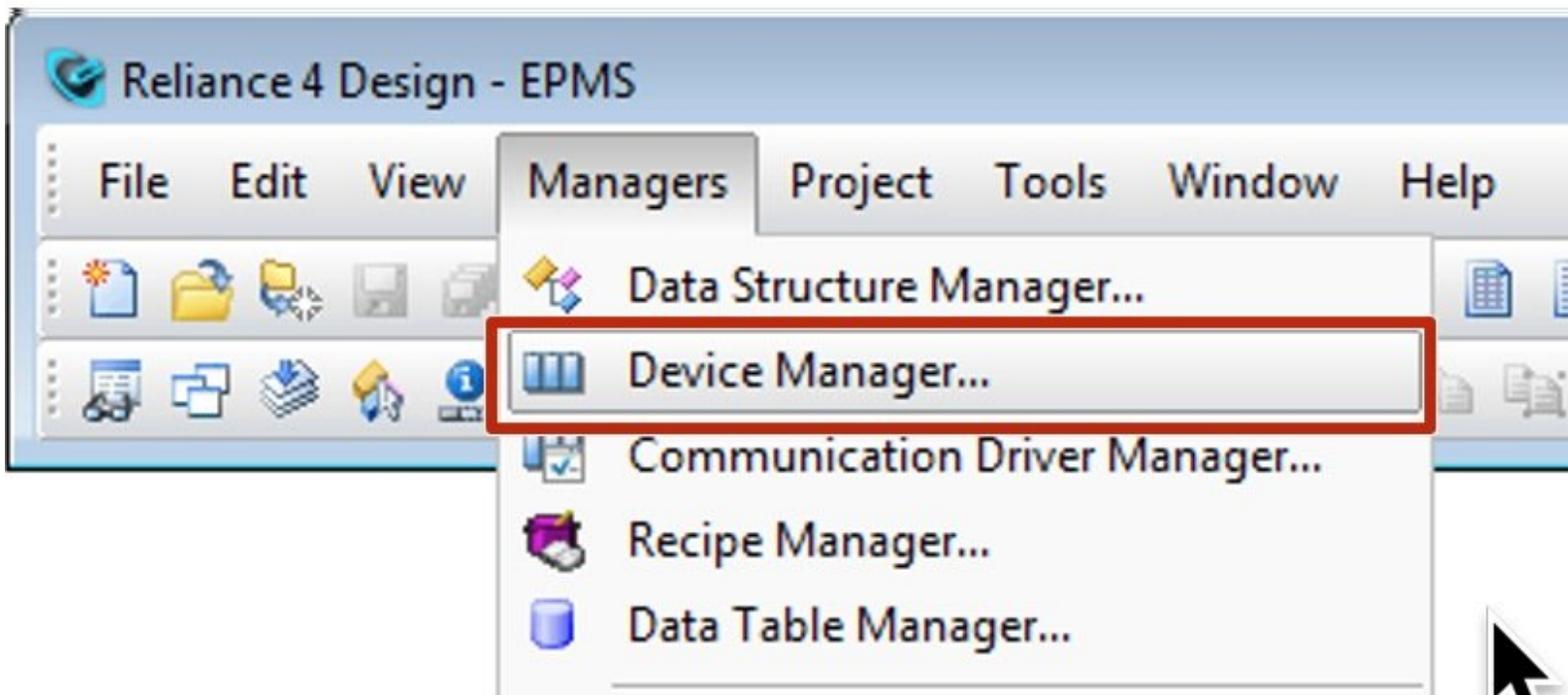




How to E-PMS - Adding Notification Tag

This example is describing how to create a notification of trip for GT11 at Panglima power station.

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INTRODUCTION

This example is describing how to create a notification of trip for GT11 at Panglima power station. This notification will detect drop of turbine power under 5MW and set a flag of "GT11 no power". The change of flag will trigger a notification script.

How does it works

For E-PMS notification system method of status flags has been chosen. The E-PMS Notification System is Designed as follows:

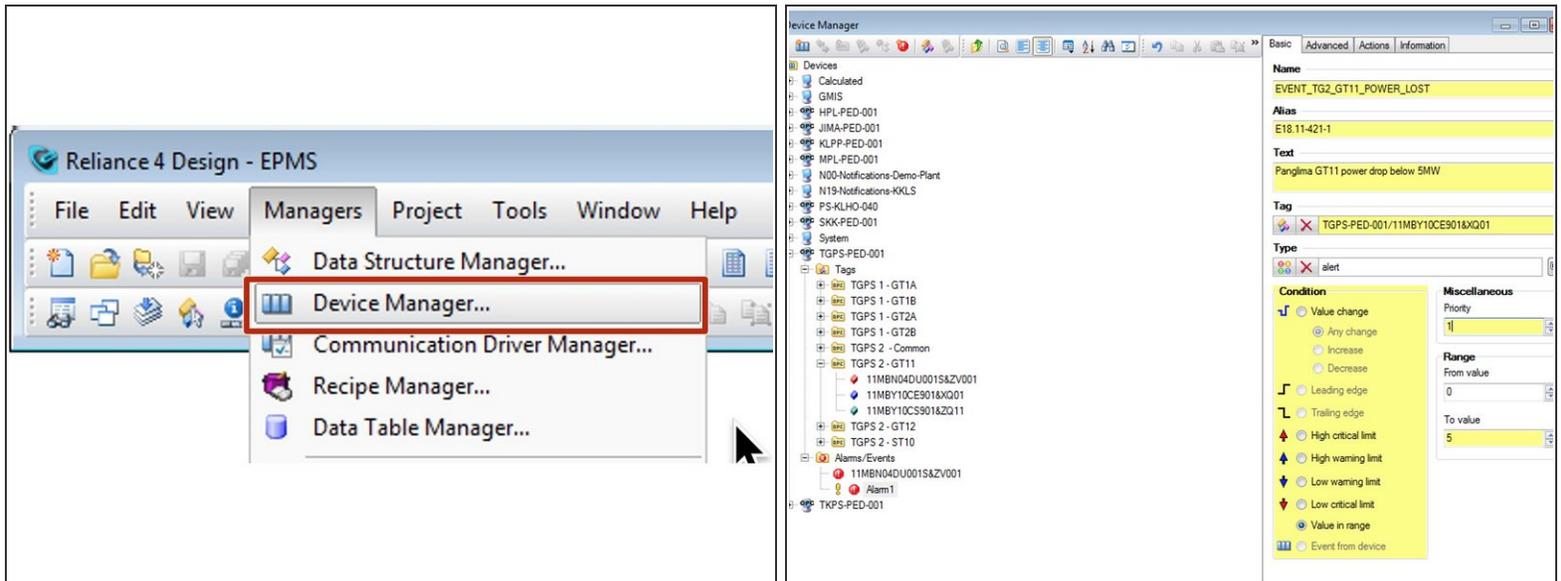
1. For monitored process value event is defined
2. Activation of the Event set a digital tag representing its status
3. Change of status is triggering notification script

EVENT_TG2_GT11_POWER_LOST - Event triggered by the tag 11MBY10CE901&XQ01 going below certain level

STATUS_TG2_GT11_NO_POWER - STATUS flag set by the EVENT_TG2_GT11_POWER_LOST and stays set until conditions of event are present

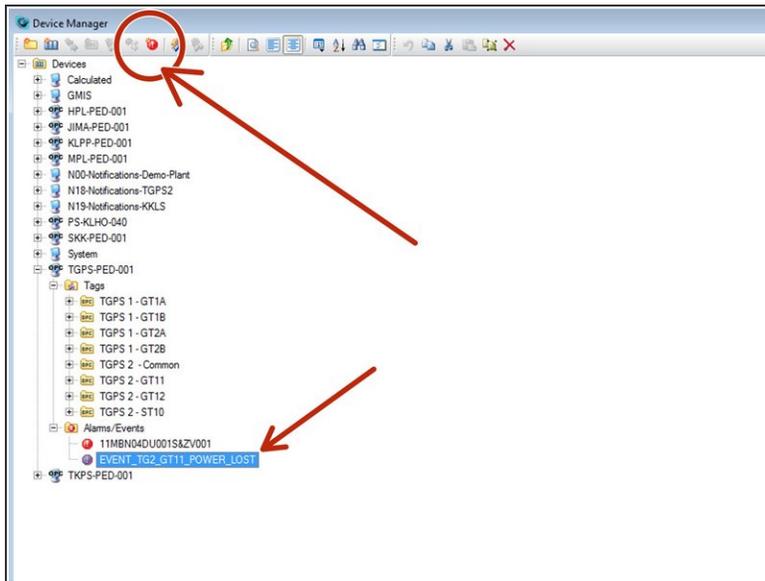
NOTIFICATION_TG2_GT11_NO_POWER - NOTIFICATION script is called once STATUS change is detected

Step 1 — Device Manager - Adding an event



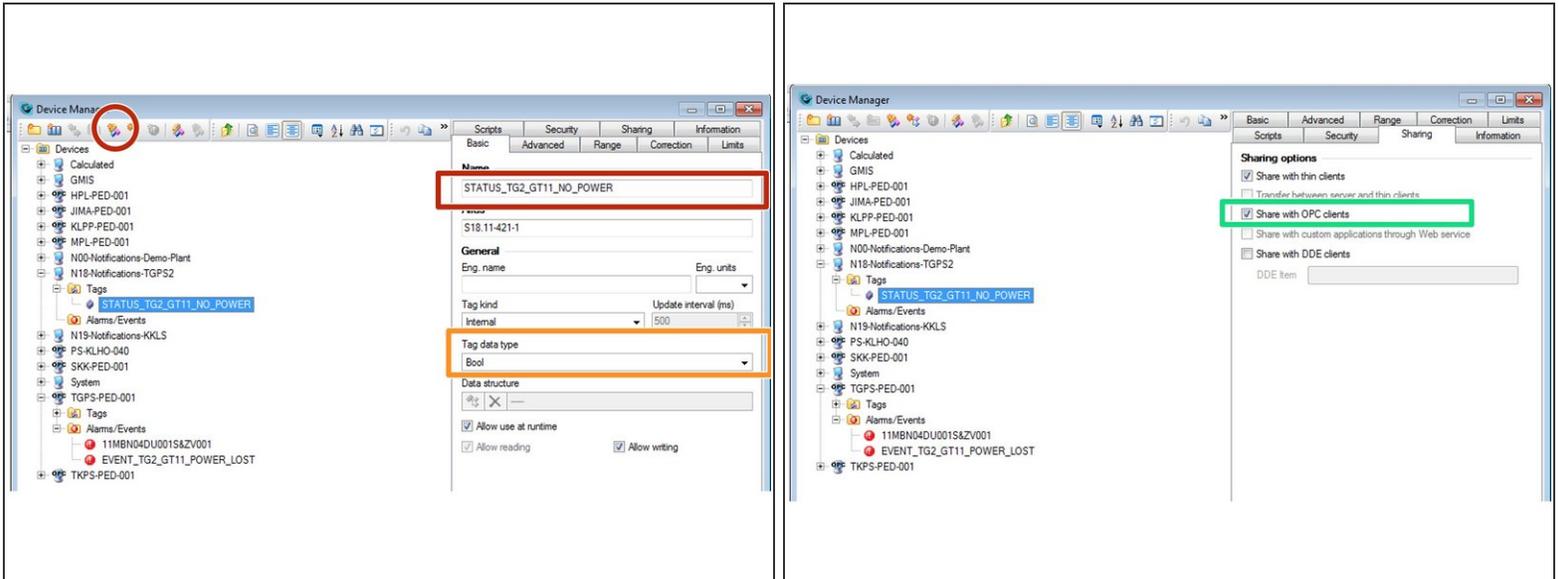
- Open the "Device Manager" at Reliance SCADA system

Step 2 — Defining an event



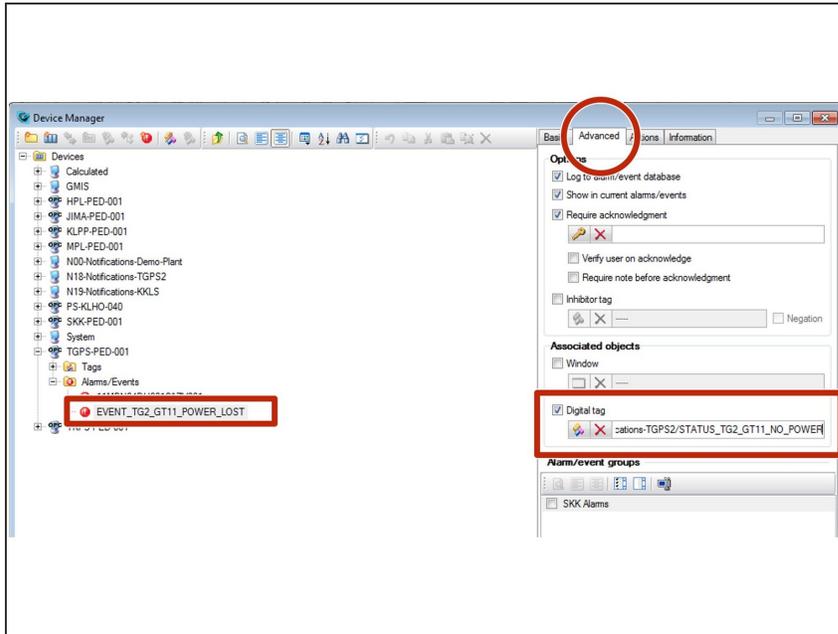
- Add an event called: **EVENT_TG2_GT11_POWER_LOST**
- Define EVENT parameters
 - Tag Name
 - Event description
 - Process tag which is being evaluated
 - Type of evaluation and range of the values

Step 3 — Adding Status Flag



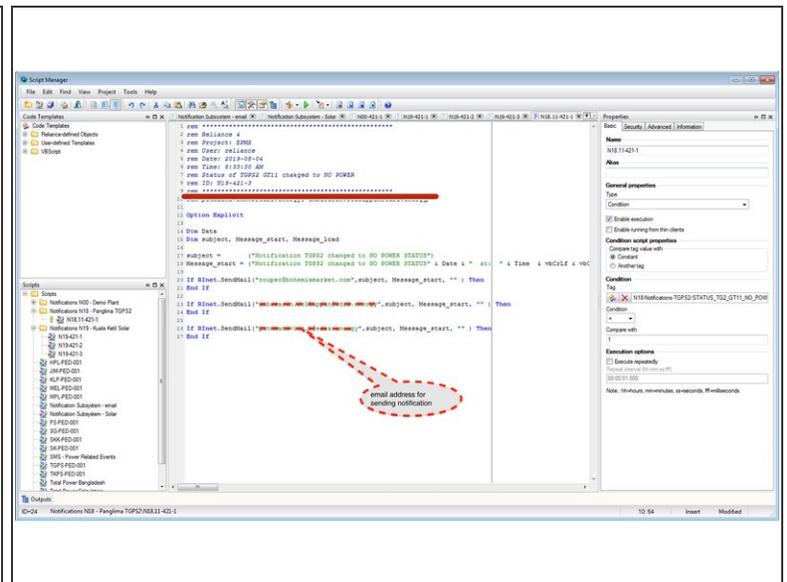
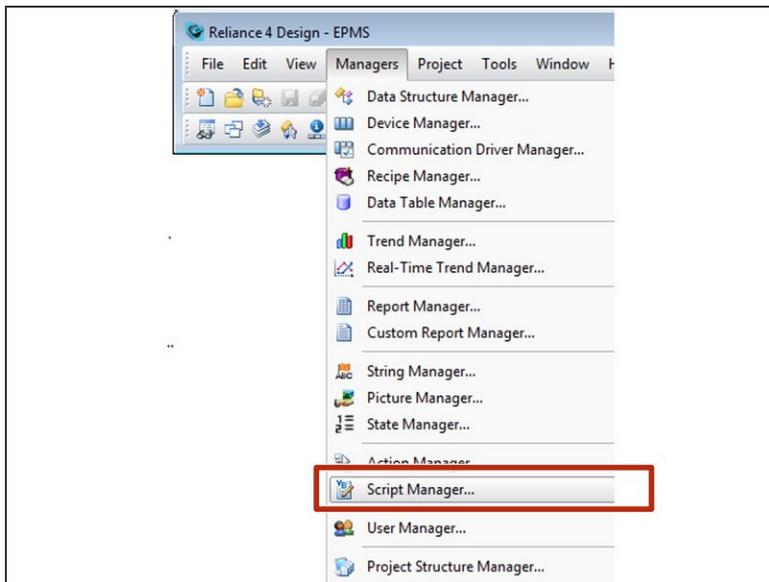
- Define Status Flag **STATUS_TG2_GT11_NO_POWER**
 - Tag name
 - Bool type
 - Visibility on OPC UA server

Step 4 — Set STATUS flag by the event



- Set STATUS flag **STATUS_TG2_GT11_NO_POWER** by the event

Step 5 — Email Notification Script



- Open Script Manager in order to add email notification script

Step 6 — Notification Script Configuration

```

1 rem *****
2 rem Reliance 4
3 rem Project: EPMO
4 rem User: reliance
5 rem Date: 2019-08-04
6 rem Time: 8:33:30 AM
7 rem Status of TGP52 GT11 chaged to NO POWER
8 rem ID: N18-421-3
9 rem *****
10
11
12 Option Explicit
13
14 Dim Data
15 Dim subject, Message_start, Message_load
16
17 subject = ("Notification TGP52 changed to NO POWER STATUS")
18 Message_start = ("Notification TGP52 changed to NO POWER STATUS" & Date & " at: " & Time & vbCrLf & vbCrLf)
19
20 If RInet.SendMail("roupec@bohemiamarket.com",subject, Message_start, "" ) Then
21 End If
22
23 If RInet.SendMail("roupec@bohemiamarket.com",subject, Message_start, "" ) Then
24 End If
25
26 If RInet.SendMail("roupec@bohemiamarket.com",subject, Message_start, "" ) Then
27 End If
    
```

email address for sending notification

General properties
 Type: Condition

Condition script properties
 Condition: N18-Notifications-TGP52/STATUS_TG2_GT11_NO_POWER

- Script is triggered by the change of Status Flag **STATUS_TG2_GT11_NO_POWER**
- ⚠ Please note that errors in the scripts will stop it's executions