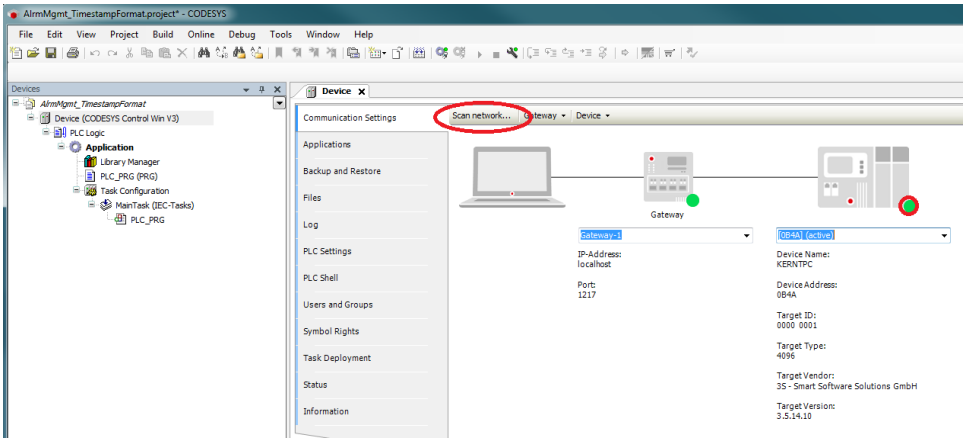
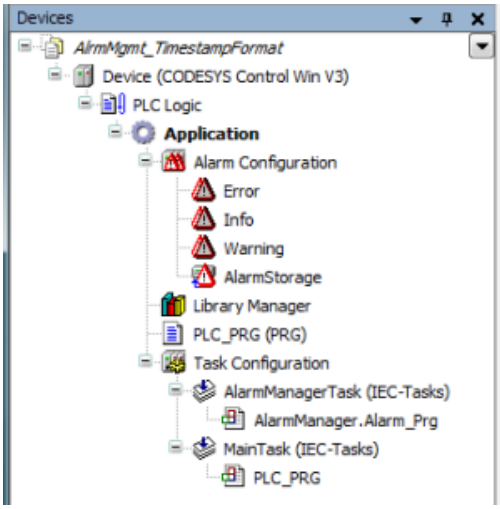
Visu, Alarm Management: Formatting the Time Stamp

- Create a "Standard project" and select *CODESYS Control Win V3* as the device.
- Define the target system by means of the *Network scan.*

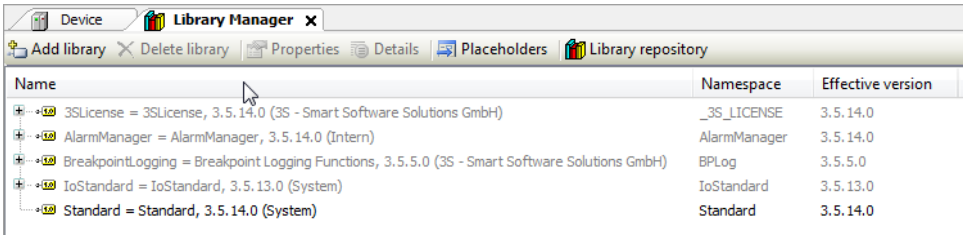


- *Insert an Alarm configuration in the device tree.*

  Here, the *Error, Info and Warning alarm classes* are created automatically, as well as the *AlarmStorage object*. In addition, another *AlarmManager Task* is created.



  Moreover, the *AlarmManager* library is added to the Library Manager:



- Edit the *PLC_PRG* POU as follows:

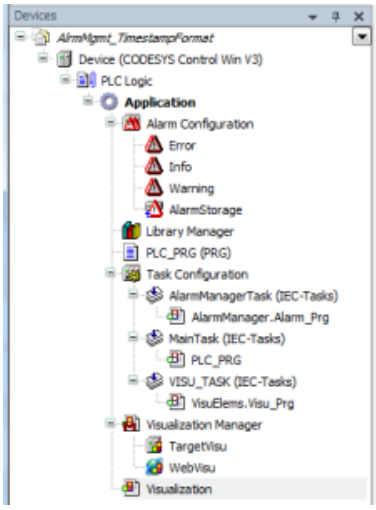
Declaration

```
VAR
    xDemoAlarm  : BOOL;
    sDateFormat : STRING := 'dd.MM.yyyy';
    sTimeFormat : STRING := 'HH:mm:ss';
END_VAR
```

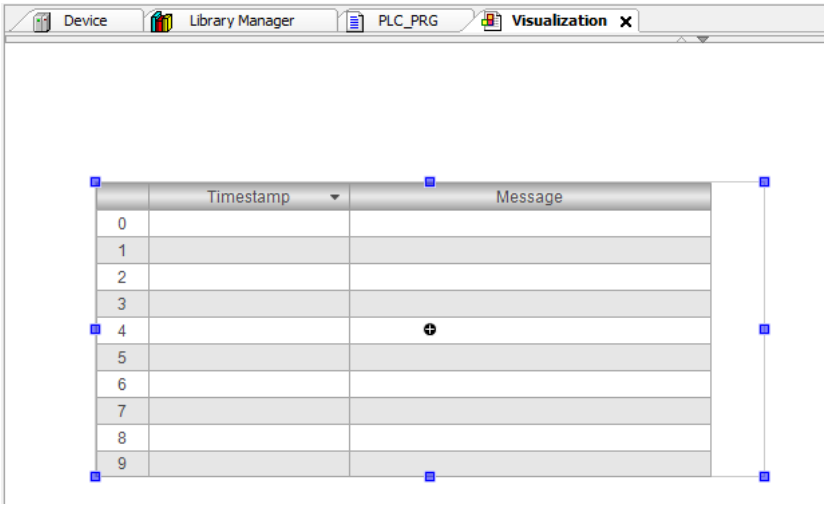
Implementation

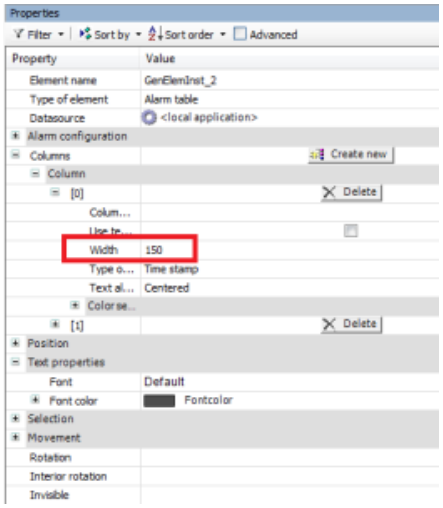
```
AlarmManager.g_sDateFormat := sDateFormat;
AlarmManager.g_sTimeFormat := sTimeFormat;
```

- *Insert a visualization in the device tree.*
  Then the Visualization Manager is inserted automatically with the TargetVisu and WebVisu visualization types.
  In addition, another VISU_TASK is created.

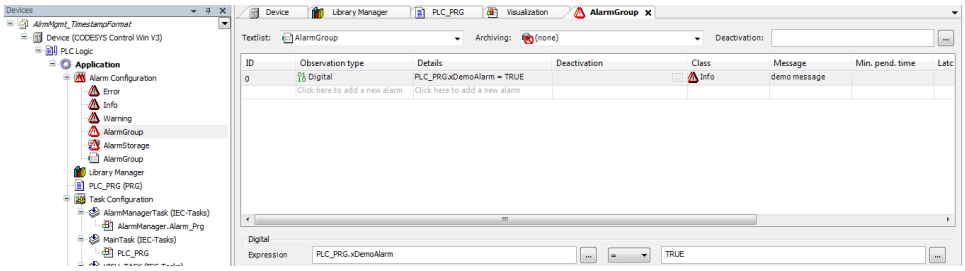


- *In the Visualization, set an element of type Alarm Table and configure the element as follows:*



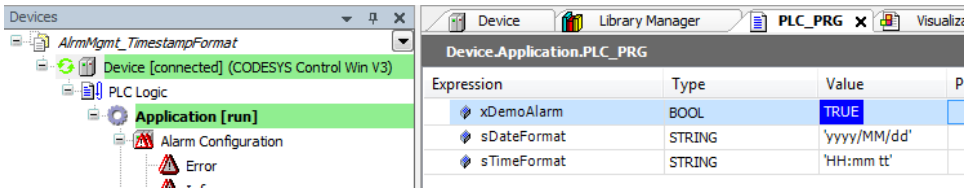


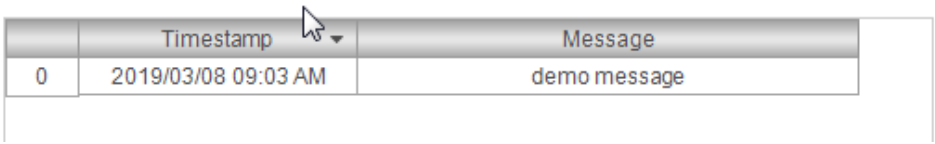
- *Insert an alarm group in the Alarm configuration and configure an alarm as follows:*



- *Start the project and set the variable xDemoAlarm to TRUE.*

Now, if you change the formatting of the constants, the default will be accepted when the alarm is triggered **again**.
The 'yyyy/MM/dd' and 'HH:mm tt' specifications result in a rotated date and a time display without seconds in English style.





Milliseconds can be specified with "ms":