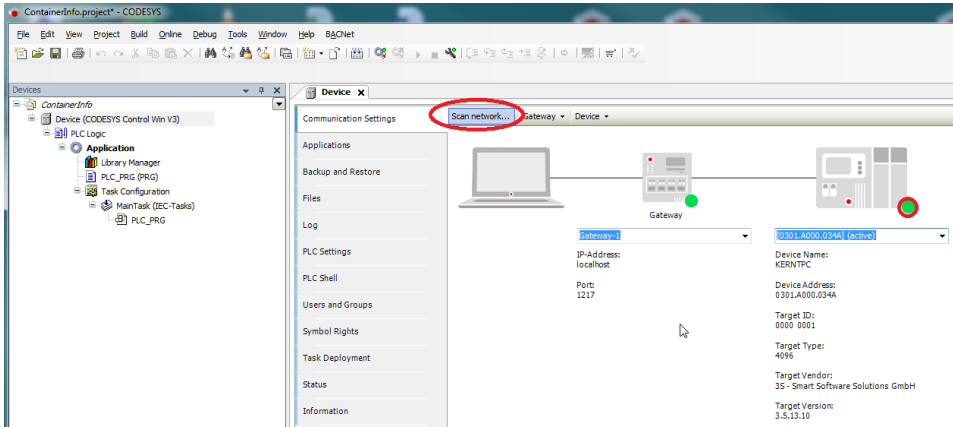
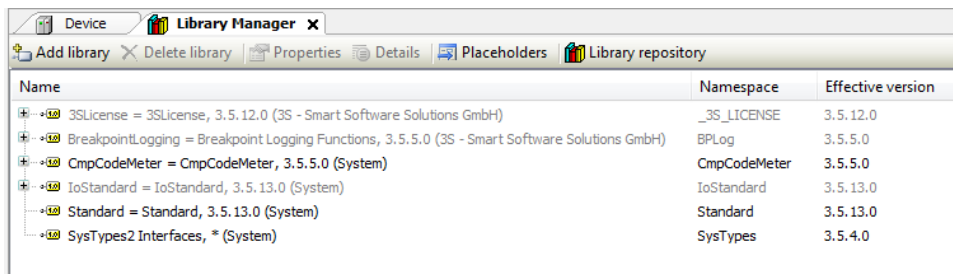


# Licensing: Querying the Container Information

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



- Open the *Library Manager* and add the following libraries:  
*CmpCodeMeter*  
*SysTypes2 interfaces*



- Create a "Structure" named *ST\_CODEMETER\_INFO\_EX*.  
Adapt the *ST\_CODEMETER\_INFO\_EX* as follows:

## Declaration

```
TYPE ST_CODEMETER_INFO_EX :  
  STRUCT  
    stRTS_CODEMETER_INFO : CmpCodeMeter.RTS_CODEMETER_INFO;  
    wsContainerName : WSTRING;  
  END_STRUCT  
END_TYPE
```

- Adapt the POU *PLC\_PRG* as follows:

## Declaration

```

VAR CONSTANT
    cw_MaxInfos      : WORD := 3;
END_VAR
VAR
    xReadInfo        : BOOL;
    iecResult         : SysTypes.RTS_IEC_RESULT;
    iecHandle         : SysTypes.RTS_IEC_HANDLE;
    iecPrevHandle     : SysTypes.RTS_IEC_HANDLE;
    wIndex            : WORD;
    aInfo             : ARRAY [0..cw_MaxInfos] OF ST_CODEMETER_INFO_EX;
END_VAR

```

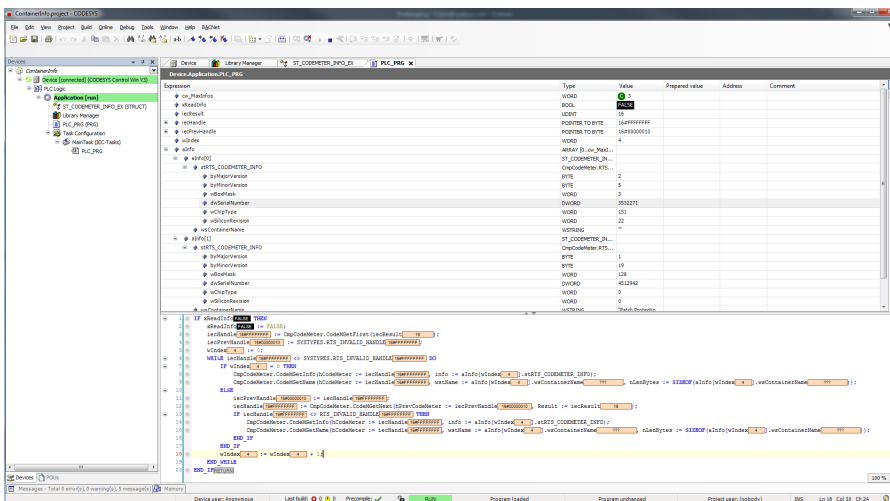
## Implemen tation

```

IF xReadInfo THEN
    xReadInfo := FALSE;
    iecHandle := CmpCodeMeter.CodeMGetFirst(iecResult);
    iecPrevHandle := SYSTYPES.RTS_INVALID_HANDLE;
    wIndex := 0;
    WHILE iecHandle <> SYSTYPES.RTS_INVALID_HANDLE DO
        IF wIndex = 0 THEN
            CmpCodeMeter.CodeMGetInfo(hCodeMeter := iecHandle, info := aInfo[wIndex].
stRTS_CODEMETER_INFO);
            CmpCodeMeter.CodeMGetName(hCodeMeter := iecHandle, wstName := aInfo[wIndex].
wsContainerName, nLenBytes := SIZEOF(aInfo[wIndex].wsContainerName));
        ELSE
            iecPrevHandle := iecHandle;
            iecHandle := CmpCodeMeter.CodeMGetNext(hPrevCodeMeter := iecPrevHandle, Result :=
iecResult);
        IF iecHandle <> RTS_INVALID_HANDLE THEN
            CmpCodeMeter.CodeMGetInfo(hCodeMeter := iecHandle, info := aInfo[wIndex].
stRTS_CODEMETER_INFO);
            CmpCodeMeter.CodeMGetName(hCodeMeter := iecHandle, wstName := aInfo[wIndex].
wsContainerName, nLenBytes := SIZEOF(aInfo[wIndex].wsContainerName));
        END_IF
    END_IF
    wIndex := wIndex + 1;
END_WHILE
END_IF

```

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



For comparing the information from the *License Manager*.