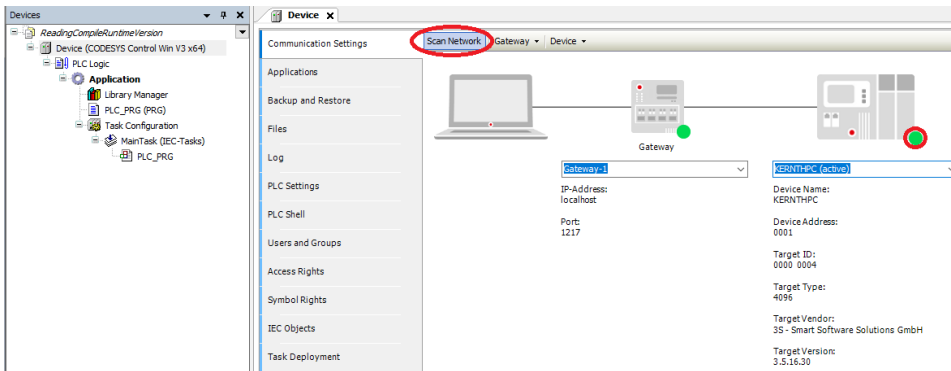


Reading the Compiler and Runtime Version

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



- Adapt the POU *PLC_PRG* as follows:

Declaration

```
VAR
    verCompiler    : Version;
    verRuntime     : Version;
    i1, i2, i3, i4: INT;
END_VAR
```

Implementation

```
verRuntime := __SYSTEM.Constants.RuntimeVersion;
verCompiler := __SYSTEM.Constants.CompilerVersion;

// as pragma
{IF RUNTIMEVERSION(>=, '3.5.16.20')}
    i1 := i1 + 1;
{ELSE}
    i2 := i2 + 1;
{END_IF}

{IF COMPILERVERSION(=, '3.5.16.20')}
    i3 := i3 + 1;
{ELSE}
    i4 := i4 + 1;
{END_IF}
```

- Load the project to the controller and start it.

The screenshot shows the Siemens SIMATIC Manager interface. On the left, the 'Devices' tree is expanded, showing 'Device [connected] (CODESYS Control Win V3 x64)' and 'PLC Logic'. Under 'PLC Logic', 'Application [run]' is selected, which contains 'Library Manager', 'PLC_PRG (PRG)', 'Task Configuration', and 'MainTask (IEC-Tasks)'. The 'MainTask (IEC-Tasks)' is expanded, showing 'PLC_PRG'.

The main window displays the 'Device.Application.PLC_PRG' tab. It contains a table of variables and their values:

Expression	Type	Value
verCompiler	Version	
uiMajor	UINT	3
uiMinor	UINT	5
uiServicePack	UINT	16
uiPatch	UINT	30
verRuntime	Version	
i1	INT	2257
i2	INT	0
i3	INT	0
i4	INT	2257

Below the table, the following ladder logic program snippet is displayed:

```

1  verRuntime := _SYSTEM.Constants.RuntimeVersion;
2  verCompiler := _SYSTEM.Constants.CompilerVersion;
3
4  // as pragma
5  (IF RUNTIMEVERSION(>=, '3.5.16.20'))
6  i1[2257] := i1[2257] + 1;
7  (ELSE)
8  i2[0] := i2[0] + 1;
9  (END_IF)
10
11
12  (IF COMPILERVERSION(<=, '3.5.16.20'))
13  i3[0] := i3[0] + 1;
14  (ELSE)
15  i4[2257] := i4[2257] + 1;
16  (END_IF) RETURN

```