

Advantech AE Technical Share Document

Date	2018/08/10	SR#	1-3524591571
Category	<input checked="" type="checkbox"/> FAQ <input type="checkbox"/> SOP	Related OS	N/A
Abstract	How to use CODESYS to stop project and PLC?		
Keyword	CODESYS, ST		
Related Product	APAX-5580CDS		

■ **Problem Description:**

This document shows how to use CODESYS to stop project and PLC.

■ **Answer:**

CODESYS has the example shows how to stop project and PLC. The program separates two different parts. Library **CmpApp, Standard, SysProcess, SysTypes2** Interfaces is required for using this sample code.

Name	Namespace	Effective version
3SLicense = 3SLicense, 3.5.10.0 (3S - Smart Software Solutions GmbH)	_3S_LICENSE	3.5.10.0
BreakpointLogging = Breakpoint Logging Functions, 3.5.5.0 (3S - Smart Software Solutions GmbH)	BPLog	3.5.5.0
CmpApp, 3.5.9.0 (System)	CmpApp	3.5.9.0
IoStandard = IoStandard, 3.5.10.0 (System)	IoStandard	3.5.10.0
Standard = Standard, 3.5.9.0 (System)	Standard	3.5.9.0
SysProcess, 3.5.7.0 (System)	SysProcess	3.5.7.0
SysTypes2 Interfaces, 3.5.4.0 (System)	SysTypes	3.5.4.0

```

1  PROGRAM PLC_PRG
2  VAR
3      udiCnt      : UDINT;
4
5      sAppName    : STRING := 'Application';
6      rtsResult   : RTS_IEC_RESULT;
7
8      pApp        : POINTER TO CmpApp.APPLICATION;
9      xStopApp    : BOOL;
10
11     xStopRts    : BOOL;
12     sRtsCmd     : String := 'net stop "CODESYS Control RTE V3"';
13 END_VAR

1  udiCnt := udiCnt + 1;
2  If xStopApp Then
3      xStopApp := FALSE;
4      pApp := CmpApp.AppFindApplicationByName(pszString := sAppName, pResult := ADR(rtsResult));
5      If pApp <> RTS_INVALID_HANDLE THEN
6          rtsResult := CmpApp.AppStopApplication(pApp := pApp);
7      END_IF
8  END_IF

9
10
11 If xStopRts Then
12     xStopRts := FALSE;
13     SysProcess.SysProcessExecuteCommand(pszComand := sRtsCmd, pResult := ADR(rtsResult));
14 END_IF
    
```

The above is to stop the application.

xStopApp is a bool type switch to close the application.

sAppName is the application user wants to close.

The below is to stop the application.

xStopRts is a bool type switch to stop PLC.

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