Advantech SE Technical Share Document

Date	2018 / 02 / 26	**Related Product**	APAX/CODESYS
Category	■ FAQ □ SOP □ Driver Tech Note		
Abstract	How to reset CODESYS application (warm reset) by ST		
Keyword	POU, ST, CODESYS, Visualization, Dialog		
Related OS	N/A		
Revision History			
Date	Version	Author	Reviewer	Description
2018/02/26	V1.0	Owen.Chang		

■ **Problem Description & Architecture:**

It is usual that there are 20 - 30 devices in one product line. If an inspected error happens, it may make multiple devices work improperly and get into error status. Warm reset is the efficient way to make all devices go back to the initial status. This sample code will guide users how to do the warm reset by the ST.

■ **Brief Solution - Step by Step:**

Library:
CmpApp, CmpErrors, SysTypes2 Interfaces

Code:

```
1    PROGRAM PLC_PRG
2    VAR
3        xReset: BOOL;
4        pApp: POINTER TO APPLICATION;
5        Result: RTS_IEC_RESULT;
6    END_VAR
```

```
1    IF xReset THEN
2        pApp := AppGetFirstApp(ADR(Result));
3        WHILE pApp <> 0 AND Result = Errors.ERR_OK DO
4            AppReset(pApp, RTS_RESET);
5            pApp := AppGetNextApp(pApp,(ADR(Result)));
6        END_WHILE
7    END_IF
```

When xReset is TRUE, CODESYS will reset applications by function AppReset.