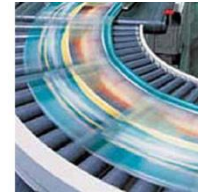# Preparation of the PLC device

CoDeSys

Smart Software Solutions

Preparation of the PLC device

What has to be done before you leave the machine to the customer?

- login (download or online-change)
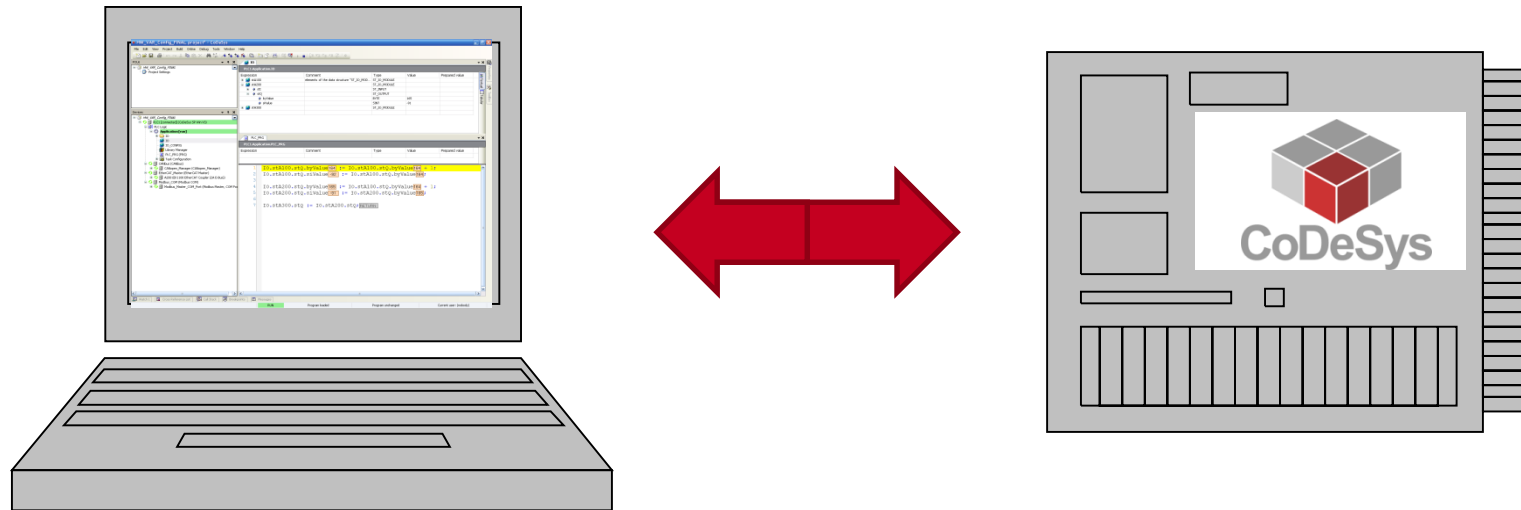- boot application
- source download

Introduction

After this module you will be familiar with the necessary steps needed to prepare a CoDeSys PLC device.
You will also know how to save a CoDeSys project with all the needed information onto the device.
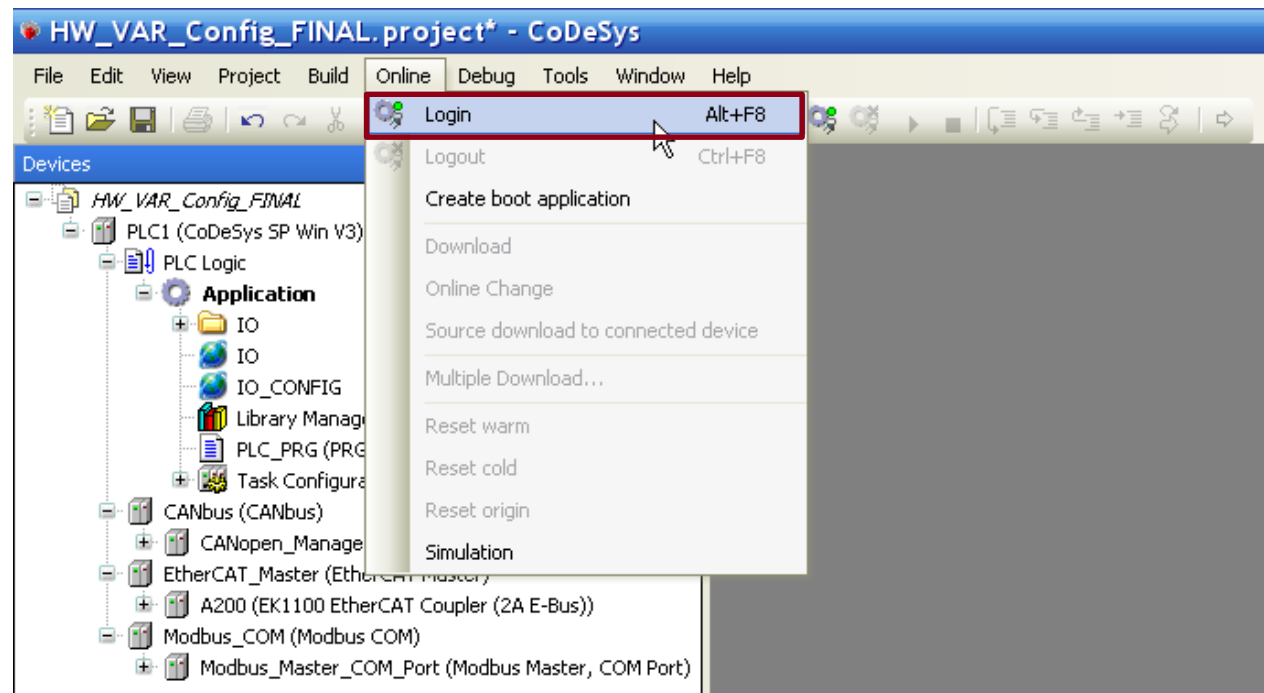
What are the things we have to do?

What is possible?

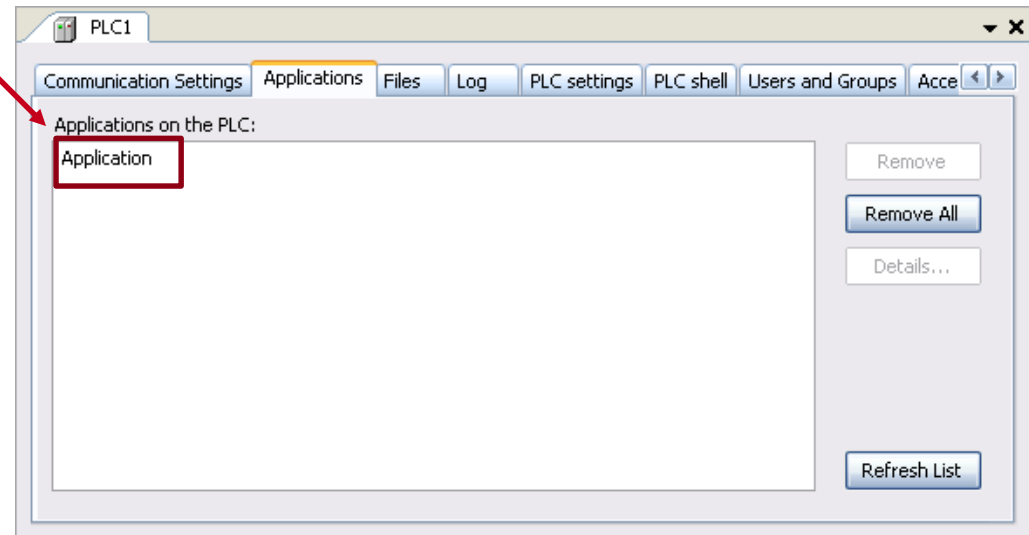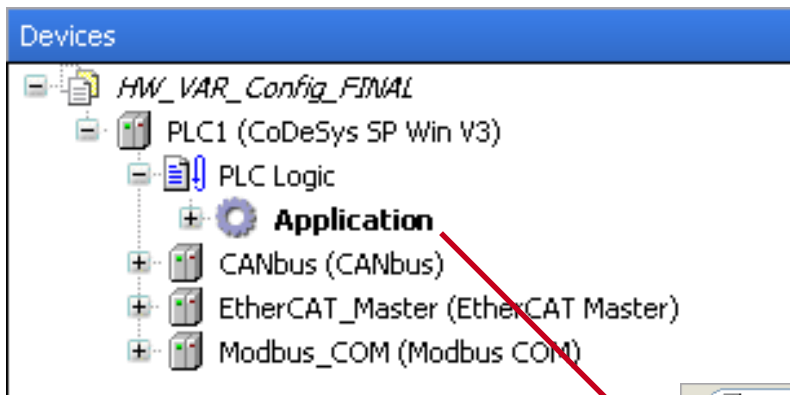# Download or Online Change

Login

- Requirements
  - The communication settings of the device must be configured.
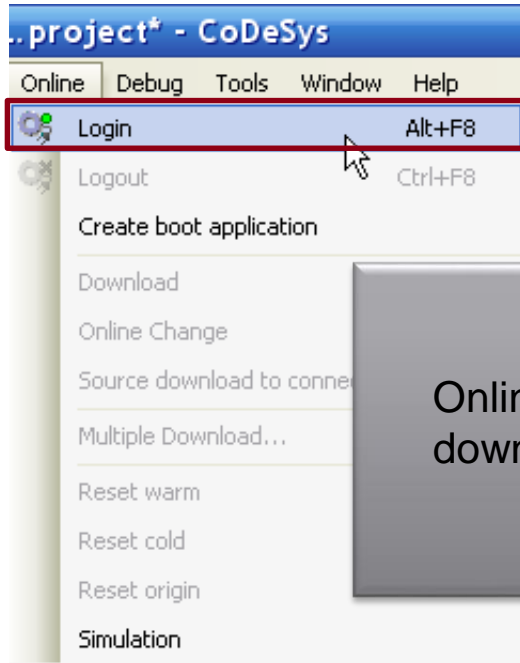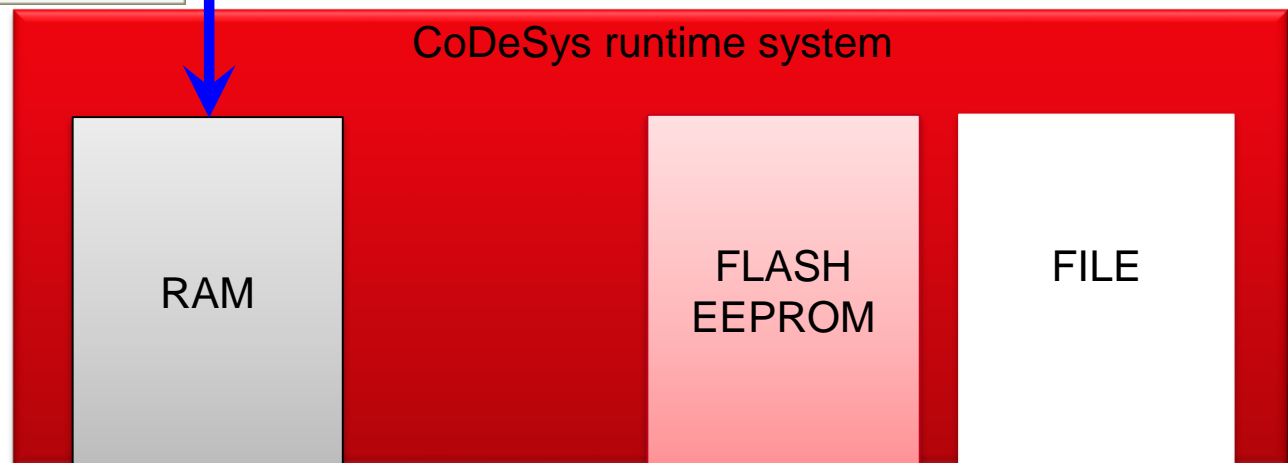 - The application must be compile error free.

Download or Online Change

Login

- Applications of the device must be transferred.

Download or Online Change

.. project* - CoDeSys

| Online | Debug | Tools | Window | Help |

Login	Alt+F8
Logout	Ctrl+F8
Create boot application	
Download	
Online Change	
Source download to conne	
Multiple Download...	
Reset warm	
Reset cold	
Reset origin	
Simulation	

CoDeSys Development System

Online change
download
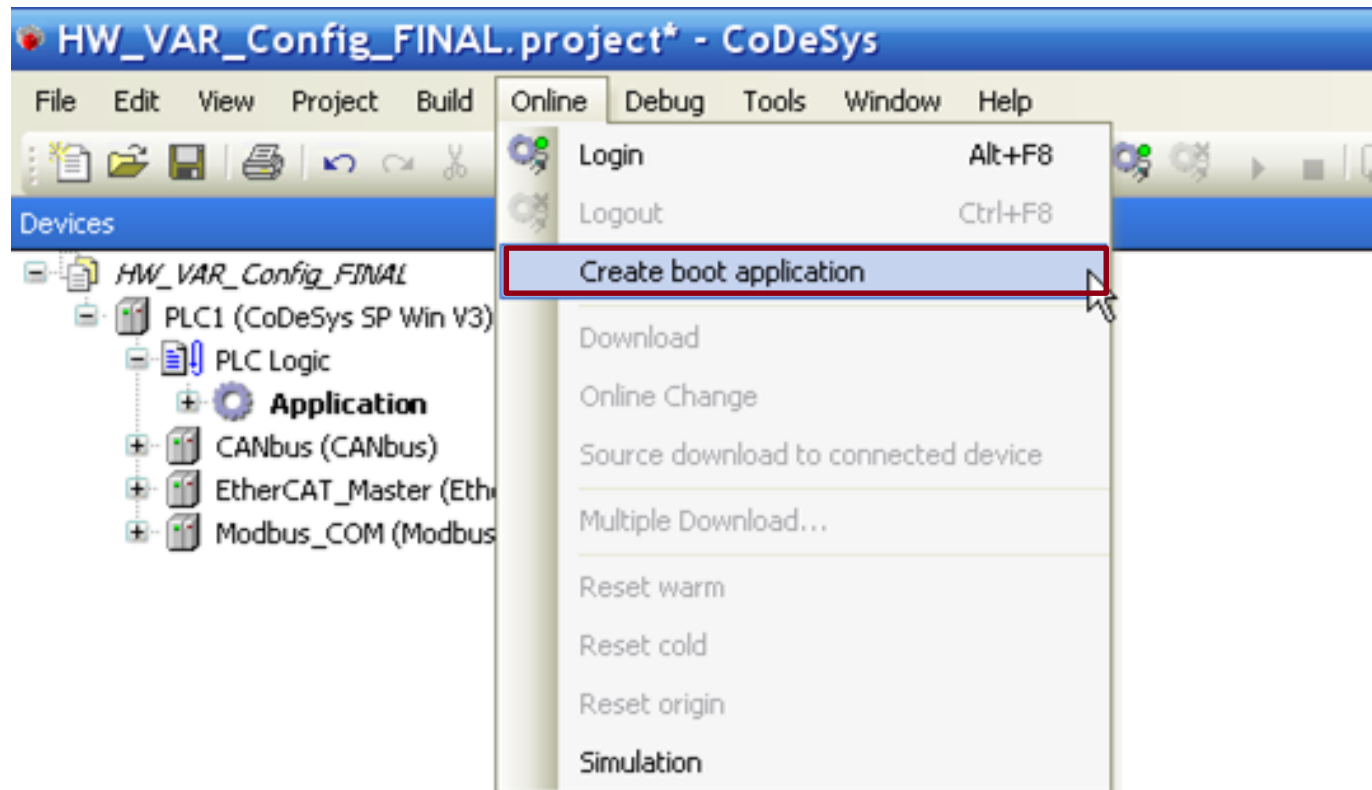
Compiled code

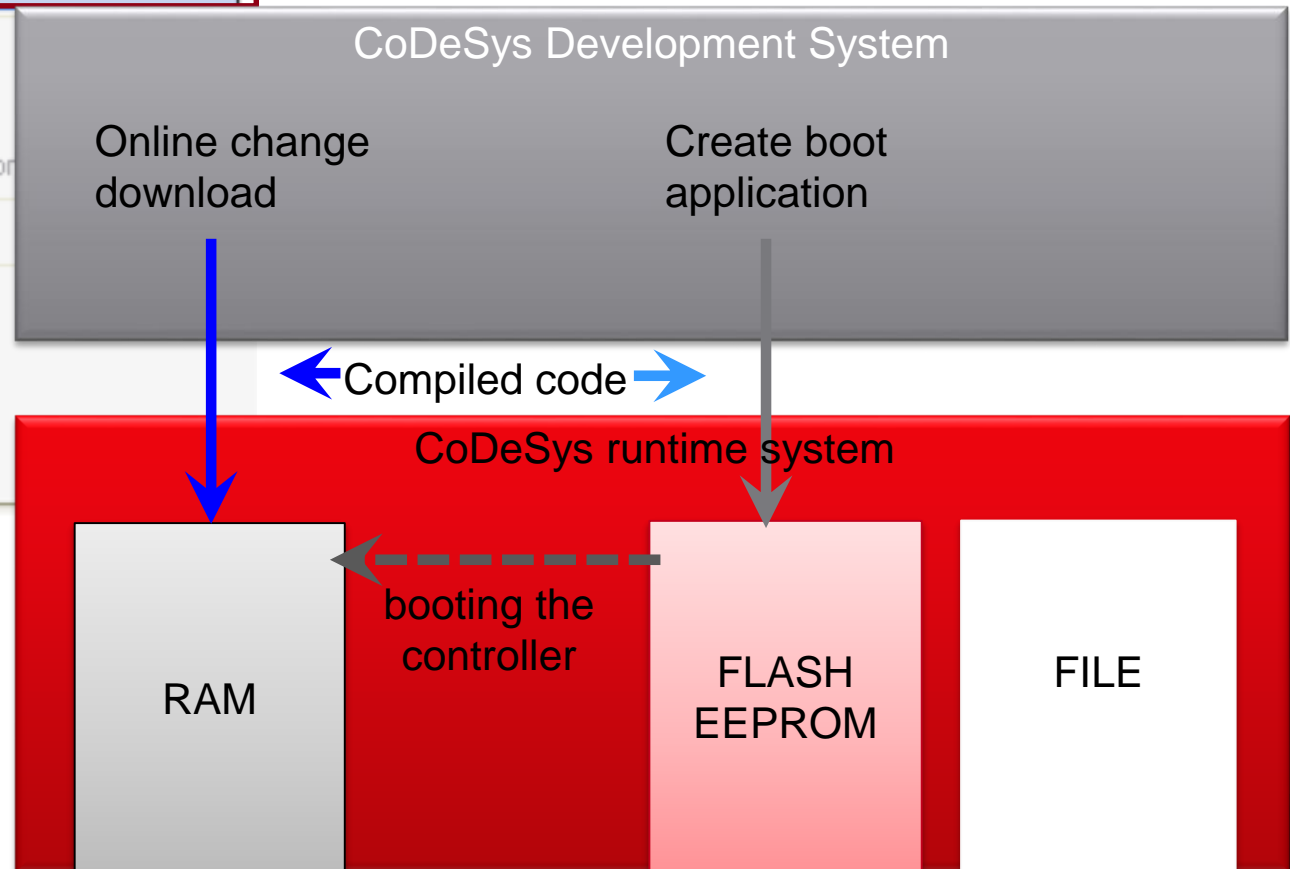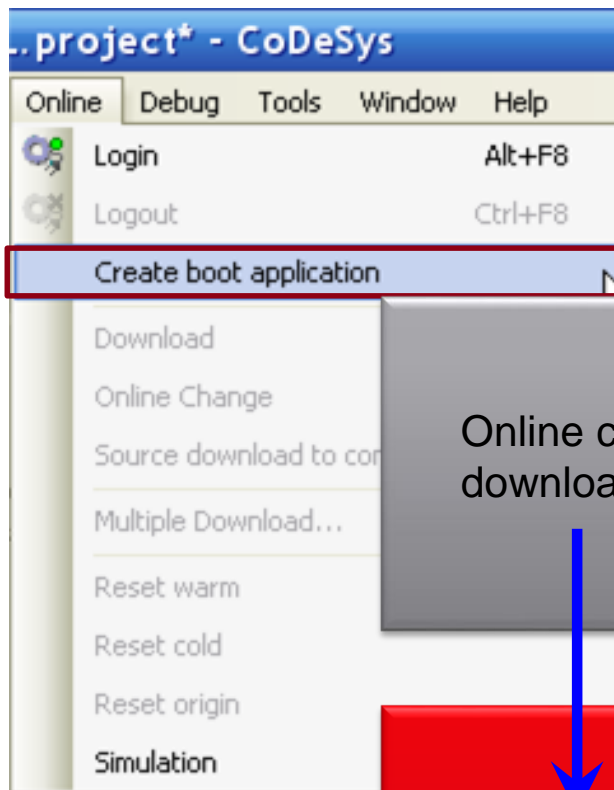**CoDeSys runtime system**

RAM

FLASH EEPROM

FILE

Create a boot application

- For each application is a boot application necessary!
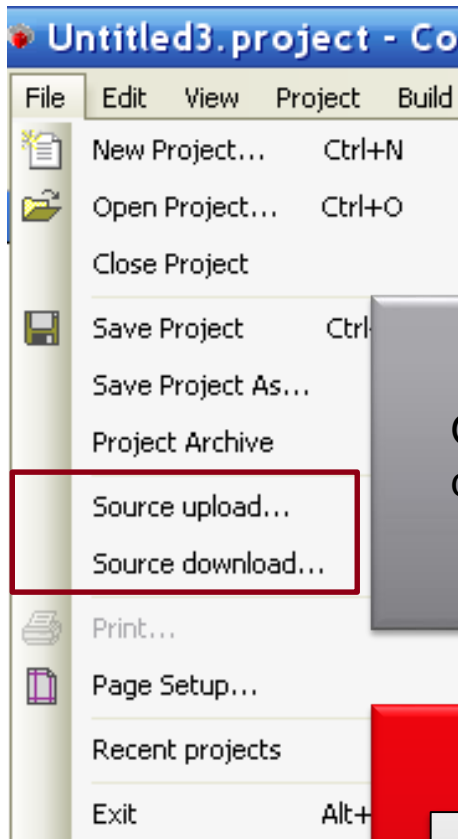- You must be online when using create boot application!

Boot application

Is the project which will be started automatically when the controller gets started ("booted")

.. project* - CoDeSys

Online	Debug	Tools	Window	Help

Login — Alt+F8
Logout — Ctrl+F8
Create boot application
Download
Online Change
Source download to con...
Multiple Download...
Reset warm
Reset cold
Reset origin
Simulation

CoDeSys Development System

Online change download

Create boot application

← Compiled code →

CoDeSys runtime system

booting the controller

RAM

FLASH EEPROM

FILE

Smart Software Solutions

Source Download and Source Upload

Check project settings to be sure
what is inside the source!

CoDeSys Development System

Online change download

Create boot application

Source download and upload

←Compiled code→

CoDeSys runtime system

booting the controller

RAM

FLASH EEPROM

FILE
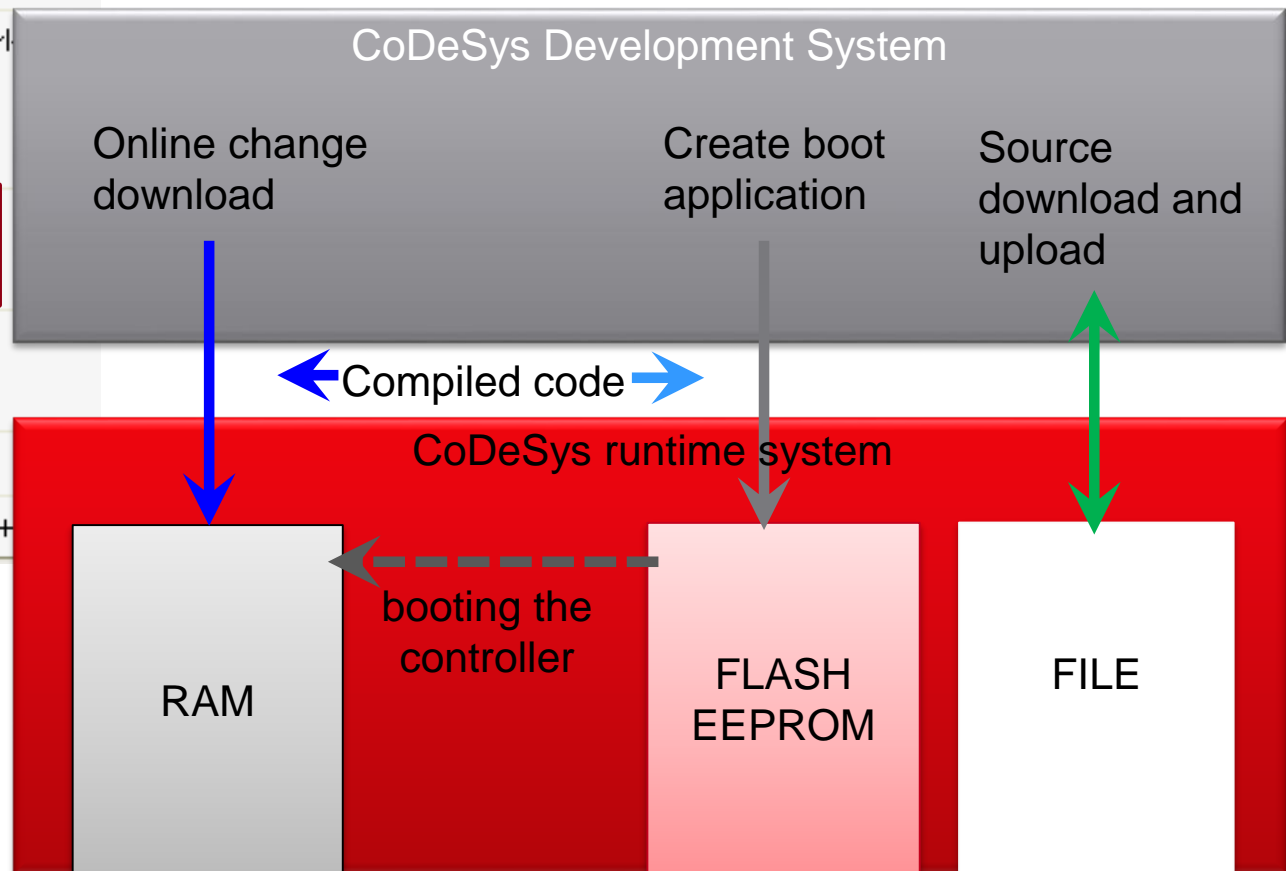
Source Download and Source Upload

Project Settings -> Source Download
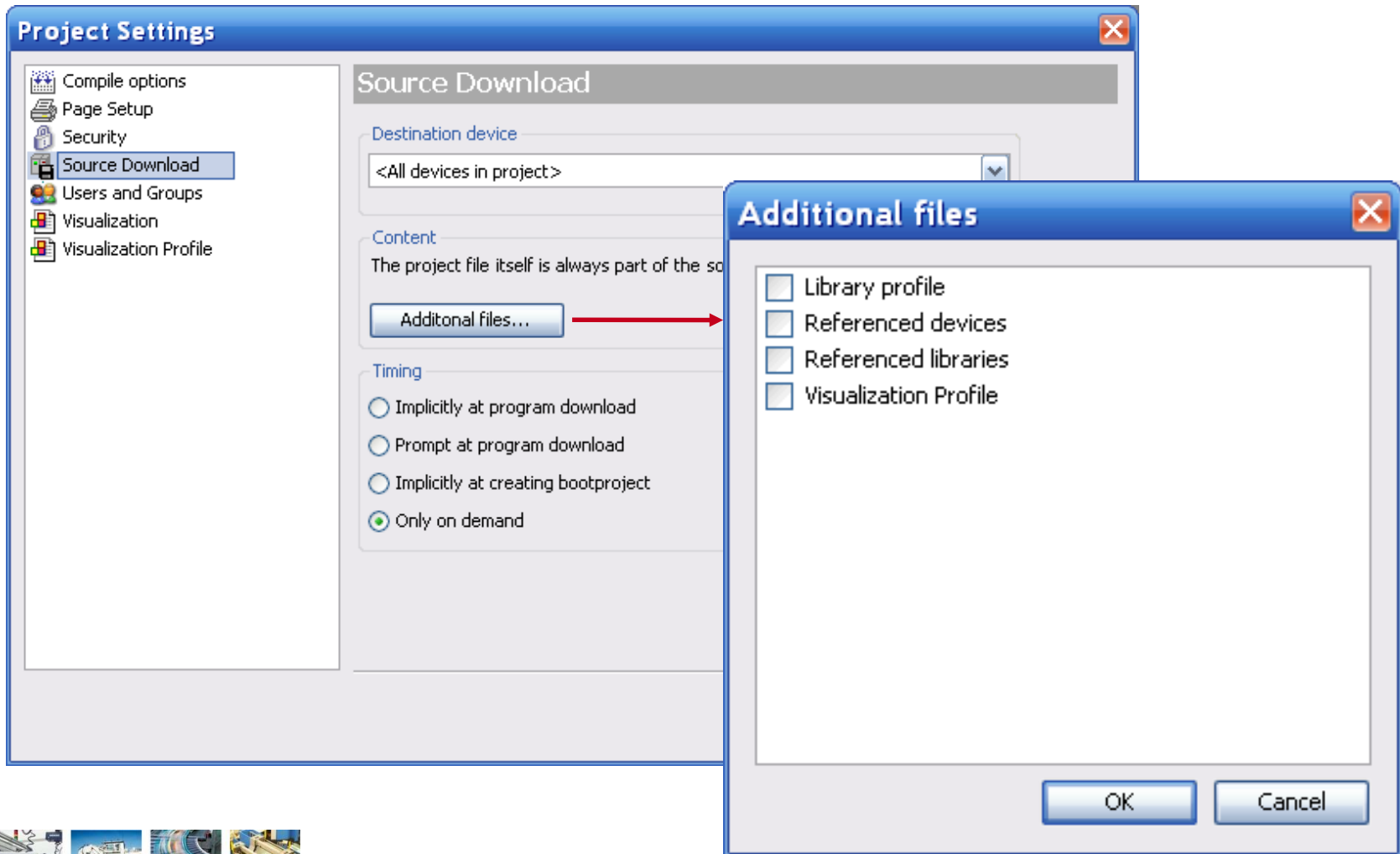
Summary

- Login will transfer the compiled code into the RAM only.

- Create a boot application to make sure the PLC starts up after a reboot.

- Devices can offer the possibility to download the complete source code.

- Source is what you define in the project settings!