


# Full Version Upgrade TwinCAT3 WinMulti

Installing a full system software upgrade on a TwinCAT3 machine

 Difficulty **Medium**

 Duration **1 hour(s)**

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## Introduction

If a PC fails on a machine in the field and the hard drive data cannot be recovered, it is necessary to replace the PC. This may create a version conflict, as the new PC will have later versions of twinCAT installed than the original

This tutorial outlines the steps required to bring all the machine systems up to the latest level to ensure compatibility

 ...This is a one-way process that cannot be reversed


## Step 1 - Set up replacement PC from Scratch

Create a TwinCAT Project from Scratch

This procedure ensures that the front end PC has the latest TwinCAT version, and that the PLC source control program is correctly integrated, meaning the latest PLC code version will be available

## Step 2 - Copy latest front end (winmulti) software

Latest version of winMulti software is located at  
G:\builds\Latest Software Versions\winmultiv6

 ...Copy the entire folder contents

## Step 3 - Install back end latest version

Updating Beckhoff TwinCAT3 Backend Version

This ensures the back end PLC is on the latest TwinCAT version

## Step 4 - TwinSAFE

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## Step 5 - Update Control Systems Log Board

<https://stugaltd.monday.com/boards/304269981>

- Date
  - Front End Version
  - Back End Version
  - BE Firmware
  - Version Control Type
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## Step 6 - Check Parameters

ps\_ejectPush=1000

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