



# VM Upgrade Software

Software Upgrade adding a VM to a CNC FE PC.

 Difficulty **Medium**

 Duration **20 minute(s)**

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## Introduction

As an alternative to having a separate camera PC. Adding a VM (Virtual Machine) to the Front end allows access to the BE and cameras without interrupting the operator.

## Step 1 - Check that the Hardware has been installed

1. Install the VM Upgrade hardware VM Upgrade Hardware
2. Check that you have at least 12GB of memory.
3. Check that the extra disk is present (Should be D)

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## Step 2 - Add Hyper-V feature to the FE PC

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## Step 3 - Add Virtual Switch

1. Open Hyper-V Manager
  2. Select FE name on the Tree
  3. Create Virtual switch External
  4. Name Stuga Virtual Switch
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## Step 4 - Add Virtual PC

1. Open Hyper-V Manager
2. Select FE name on the tree
3. Create a new Virtual PC
4. Call is X0000
5. Locate on D:
6. Generation 2
7. User exiting Virtual Disk located on D:
- 8.

 ...DO NOT START YET

Remove SNAP Shots.

- . In Processors set the cores to 4 or 8 to match the FE PC

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## Step 5 - Start Virtual PC

1. RMB start the Virtual PC
2. RMB Open (or double click the image)
3. Sign in with usual passwords
4. check and install all updates
5. Rename the PC with the same name as the FE but replace the FE with VM

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## Step 6 - Activate Windows

1. Go to the activation screen (Search activate)
2. If not activated add the Licence code that ou have been provided with.
3. Activate windows.

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## Step 7 - TeamViewer Setup

1. Open TeamViewer and record the ID
2. Set the PW as per the standard rules.
3. Rename to Match the PC name
4. Add to the TeamViewer Lists

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## Step 8 - Pull the PLC project from the target

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## Step 9 - Add The PLC TwinCAT Project

See Changing Version Control to Visual Studio

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## Step 10 - Add Cameras

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## Step 11 - Add local Backup

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