



## Migration from MVI56 to MVI56E

### Introduction

The MVI56 has been superseded by the MVI56E family of Enhanced Modules for ControlLogix.

Since the first released of MVI56, several features have been added to improve the performance of the module.

MVI56E family is 100% backward compatible with MVI56 series using the last firmware.



## Requirements

- ❖ Install **ProSoft Configuration Builder** on you PC.
- ❖ Be sure that the system is in safe state for maintenance.

## Procedure

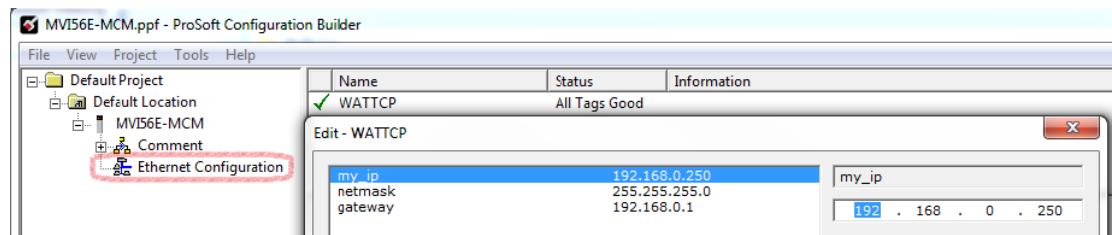
Configuration could be done through ladder logic program (MVI56-MCM and MVI56-GSC are concerned modules) or with a configuration file (\*.cfg or \*.ppf) for others modules.

### ❖ For MVI56-MCM and MVI56-GSC:

Remove the MVI56 from the rack and insert the MVI56E on the rack.

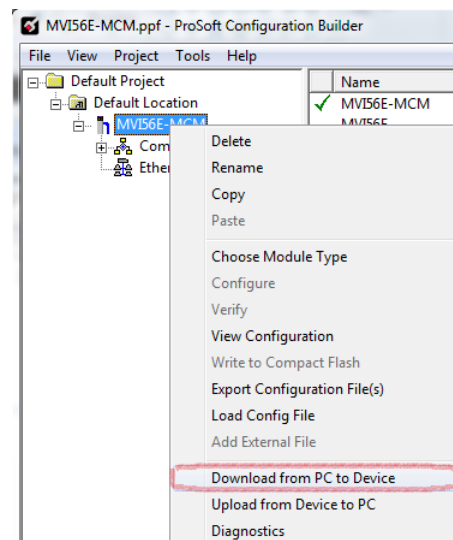
#### ○ **Optional, to access diagnostics:**

By using **ProSoft Configuration Builder**, select the appropriate device, set IP address, netmask, and gateway of the module then download this into the module.

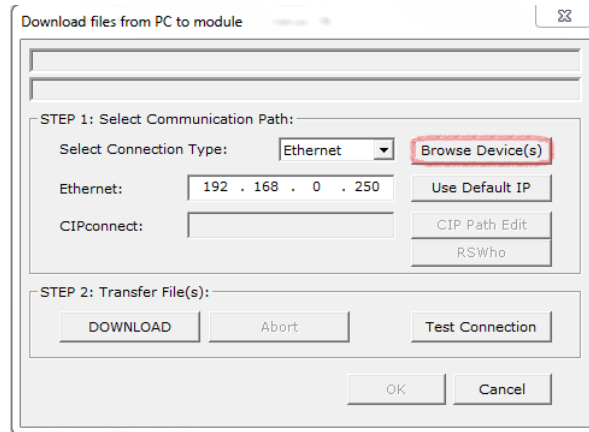


To download:

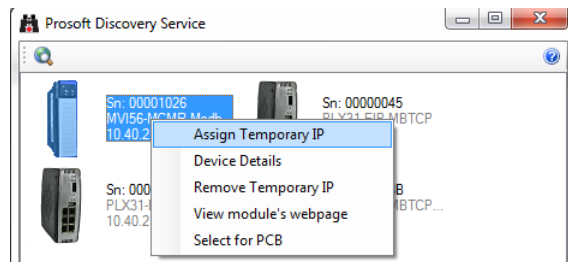
- You should do a right click on module name and choose "**Download files from PC to Device**"



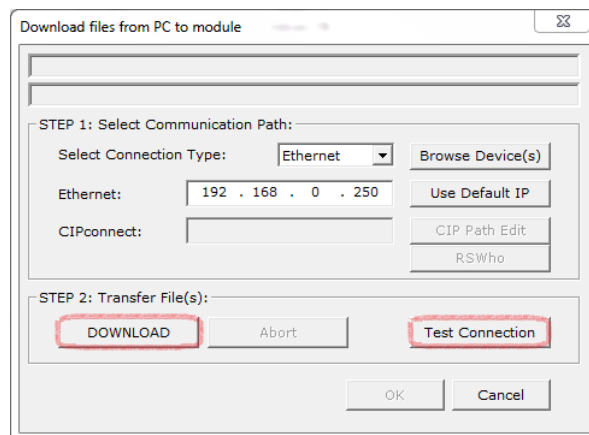
- On "Download files from PC to Device" window, click on "**Browse Device(s)**".



This will open **ProSoft Discovery Service** window. Your module should appear with the default IP address. You should assign a temporary IP address and netmask by doing a right click, please validate the modification by clicking on "OK" then close the ProSoft Discovery Service window.



You could click on "Test Connection" then on "Download".



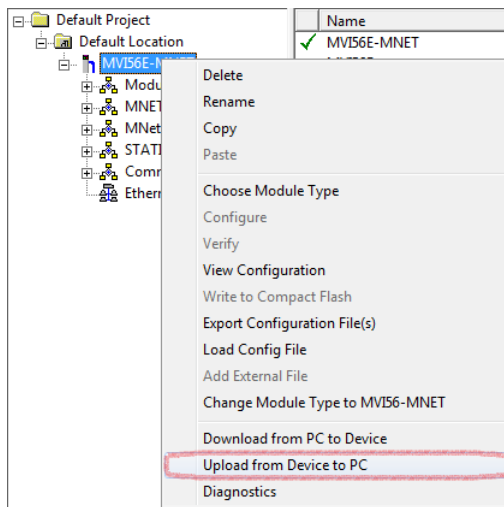
Now you have access to diagnostics menu through ethernet.

❖ **For others devices with no-serial protocols:**

Remove the MVI56 from the rack, remove Compact Flash Card (CF card) from the MVI56, insert this CF card into the MVI56E and insert the MVI56E on the rack.

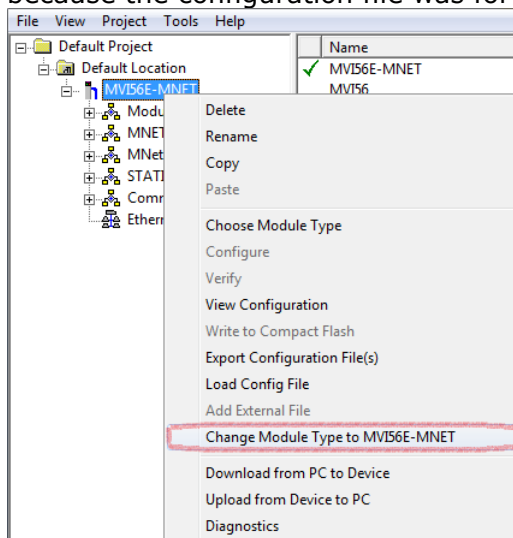
- **Optional, to access diagnostics and/or to modify the configuration :**

By using **ProSoft Configuration Builder**, select the **MVI56E-xxx** device, click on **“Upload from Device to PC”**.



On the “Upload files from Device to PC” window, set the communication path with the current IP address of the module.

Once you have uploaded the configuration, right click on module name then choose **“Change Module Type to MVI56E-xxx”** (Module’s Type has been changed because the configuration file was for MVI56 modules).



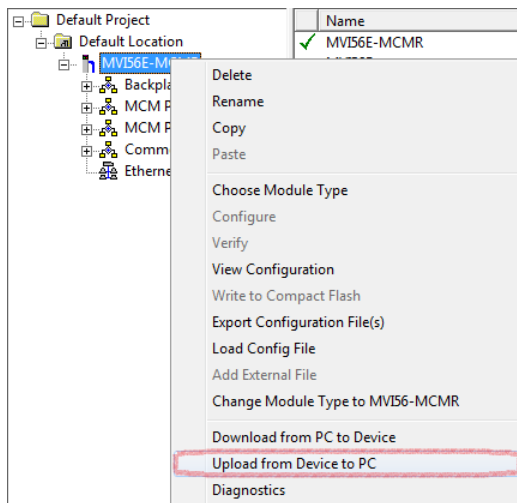
Now you have access to diagnostics menu through ethernet and a configuration file for MVI56E-xxx.

❖ **For others devices with serial protocols:**

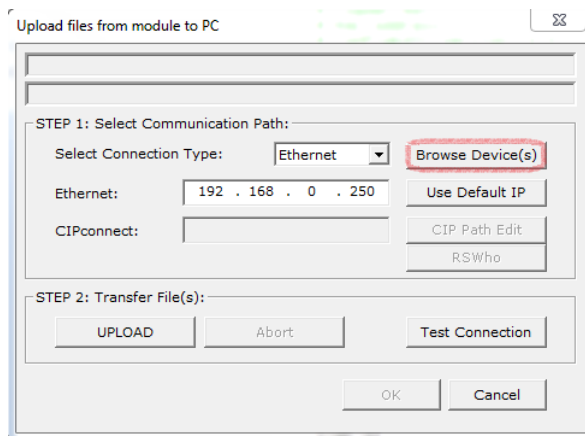
Remove the MVI56 from the rack, remove Compact Flash Card (CF card) from the MVI56, insert this CF card into the MVI56E and insert the MVI56E on the rack.

- **Optional, to access diagnostics and/or to modify the configuration:**

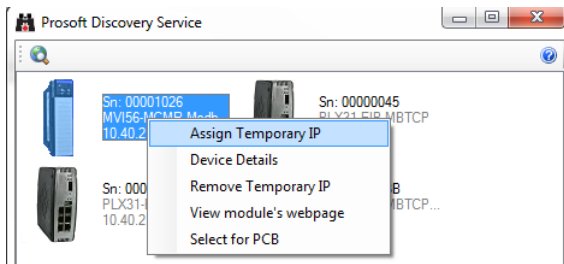
By using **ProSoft Configuration Builder**, select the **MVI56E-xxx** device, click on **“Upload from Device to PC”**.



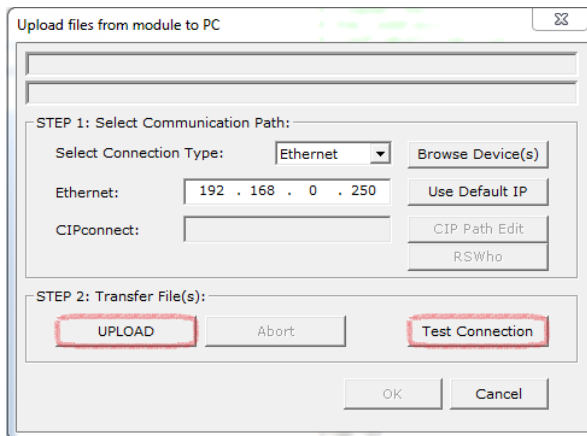
On “Upload files from Device to PC” window, click on **“Browse Device(s)”**.



This will open **ProSoft Discovery Service** window.  
Your module should appear with the default IP address. You should assign a temporary IP address and netmask by doing a right click, please validate the modification by clicking on "OK" then close the ProSoft Discovery Service window.

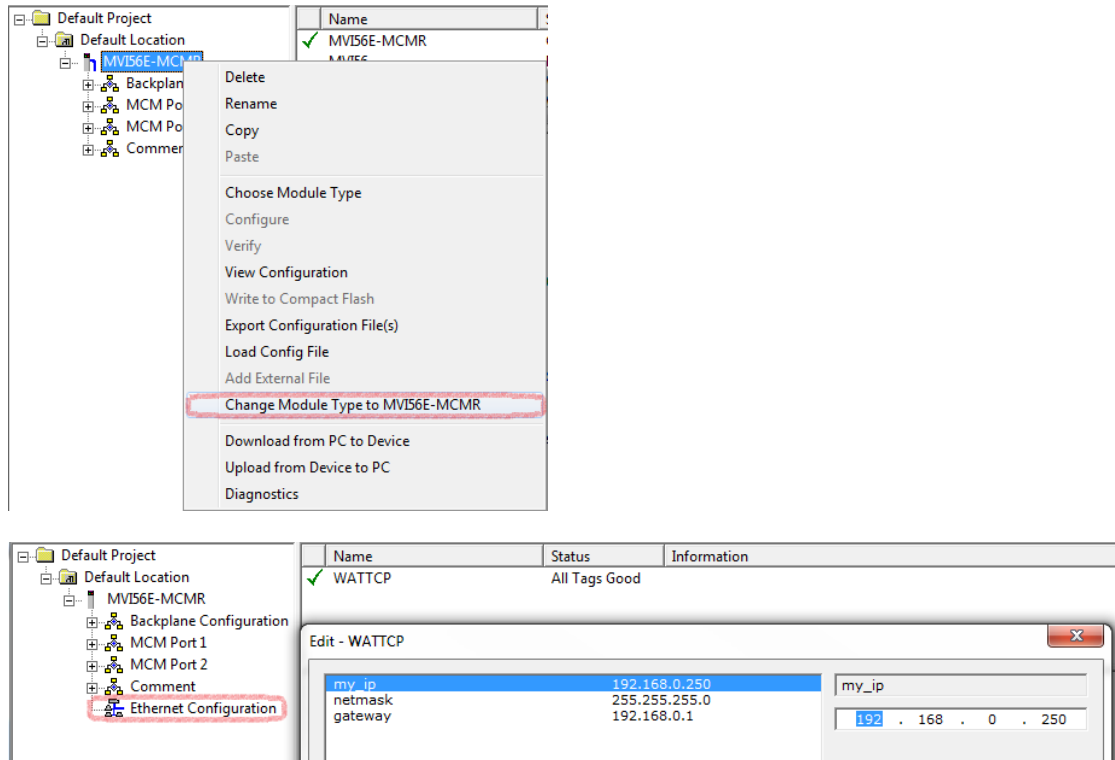


You could click on "Test Connection" then on "Upload".



Now you have the configuration used by the module, but the Module Type is MVI56-xxx (Module's Type has been changed because the configuration file was for MVI56 modules).

In order to set IP address, netmask, and gateway of the module then download this into the module, you should do a right click on module name then choose "**Change Module Type to MVI56E-xxx**".



Now you have access to diagnostics menu through ethernet and a configuration file for MVI56E-xxx.

For further information feel free to contact **ProSoft Technology Technical Support**:

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