HIRSCHMANN
A **BELDEN** BRAND

# How to do a general firmware update using Industrial HiVision and Multiconfig

- 2018-02-21 - Industrial HiVision

The goal of this procedure is to update the firmware of several switches using Industrial HiVision and Multiconfig.

Prerequisites

1. Power up all the switches and connect them together creating a bus topology.
2. Download and install Industrial HiVision (IHV) on a pc. IHV can be downloaded here: http://hivision.de/English/download/index.phtml. The program has full functionalities for a limited period of 30 days.
3. The firmware you want to installed has been stored on your pc.
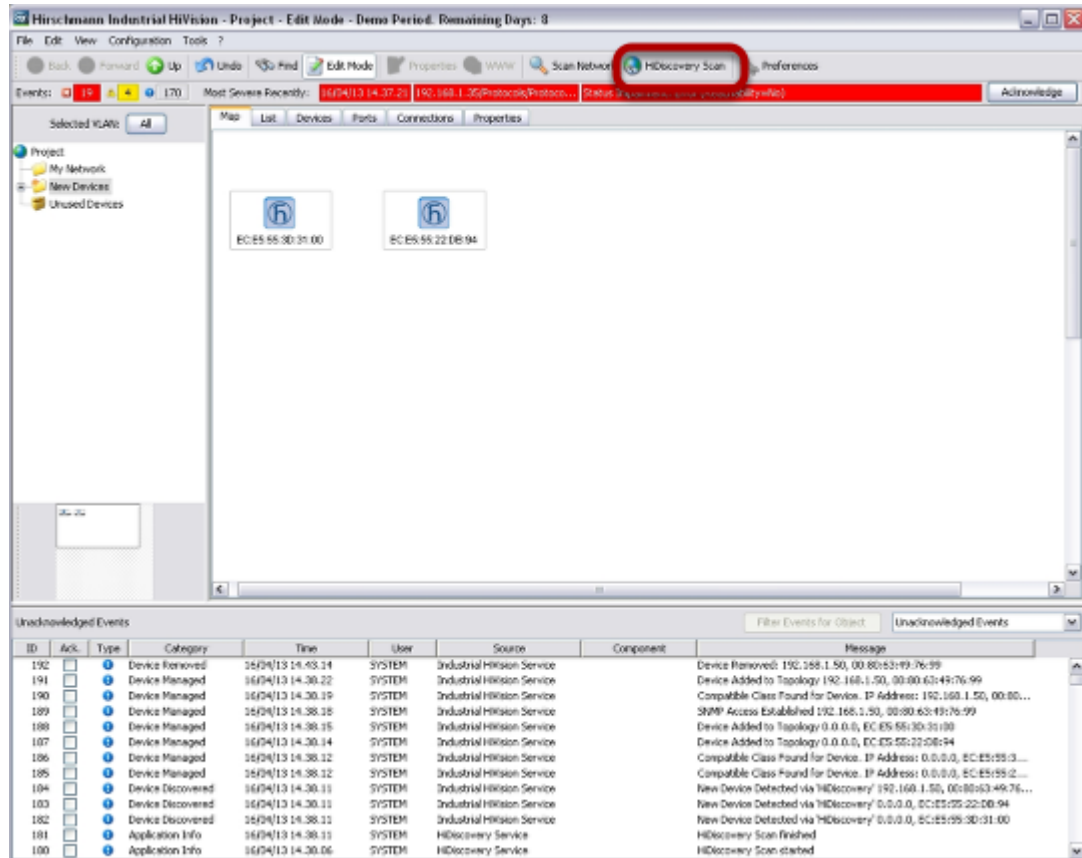
Set up preferences
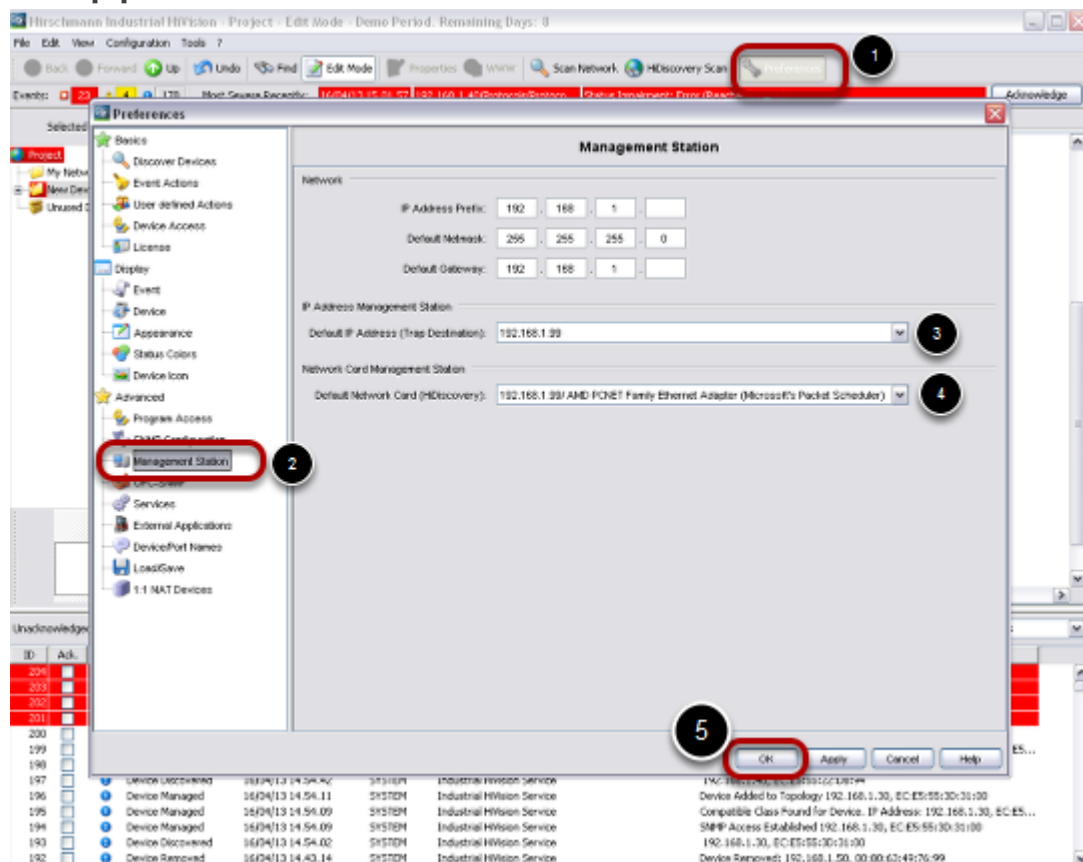
1. Connect the pc with IHV to one of the switches of the network.

2. Launch IHV.

3. Go to 'Preferences', 'Management Station' and check that in 'Default IP Address' and 'Default Network Card' is selected the right network card of your pc. Click ok.
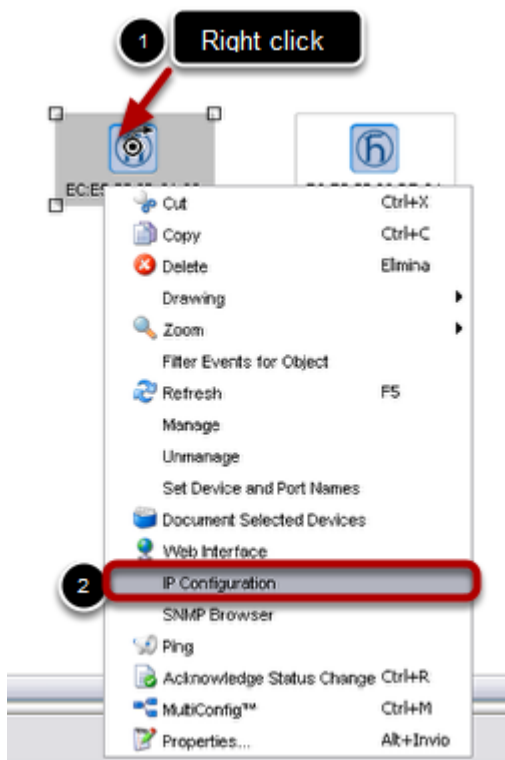
Disable Firewall on you pc

Disable all firewalls on your pc.

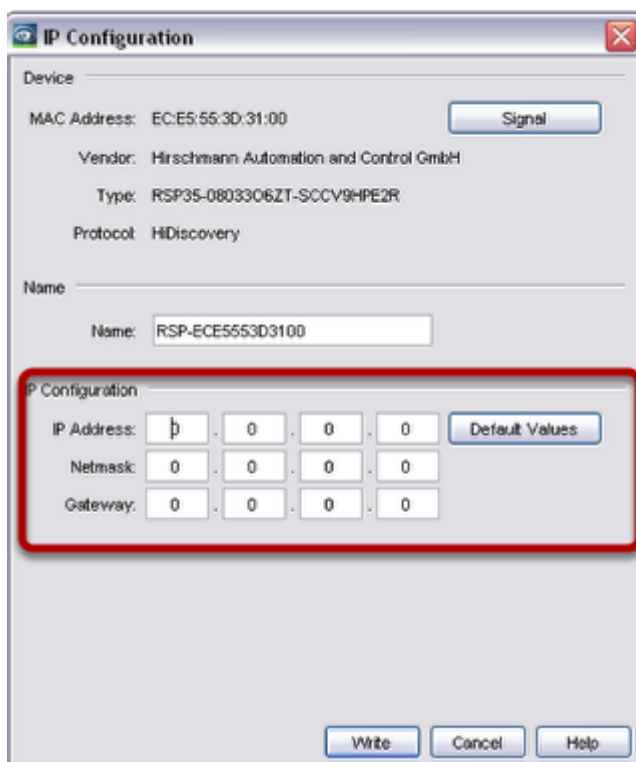## Discover the switches of your network

Click 'HiDiscovery Scan'. The system will look for Hirschmann switches. In the example, 2 new switches had been discovered.

IP assignment

Right click 1

EC:E5

- Cut — Ctrl+X
- Copy — Ctrl+C
- Delete — Elimina
- Drawing ▸
- Zoom ▸
- Filter Events for Object
- Refresh — F5
- Manage
- Unmanage
- Set Device and Port Names
- Document Selected Devices
- Web Interface
- **IP Configuration** 2
- SNMP Browser
- Ping
- Acknowledge Status Change — Ctrl+R
- MultiConfig™ — Ctrl+M
- Properties... — Alt+Invio

Assign an IP address to each switch, right clicking on a switch, 'IP configuration'.

IP Configuration

Device

MAC Address: EC:E5:55:3D:31:00   Signal

Vendor: Hirschmann Automation and Control GmbH

Type: RSP35-08033O6ZT-SCCV9HPE2R

Protocol: HiDiscovery

Name

Name: RSP-ECE5553D3100

IP Configuration

IP Address: 0 . 0 . 0 . 0   Default Values

Netmask: 0 . 0 . 0 . 0

Gateway: 0 . 0 . 0 . 0

Write   Cancel   Help

Type IP and subnet mask according to your network addressing plan.
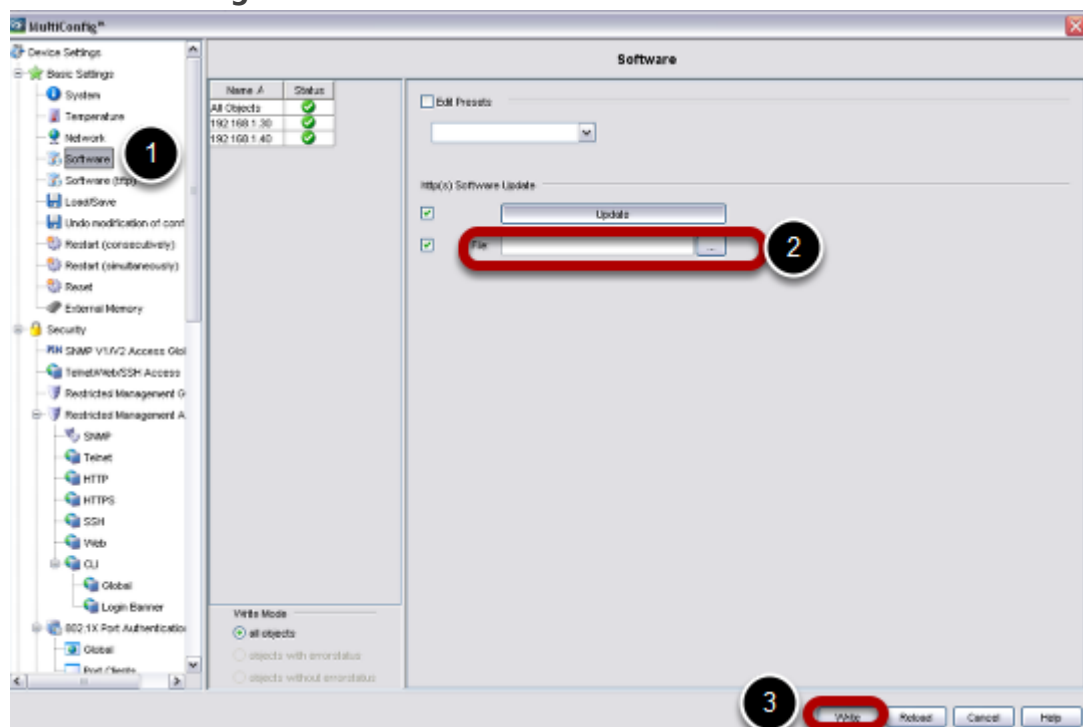
Optional

If you want to create the network topology, right click in an empty space and select auto topology.

Select all the switches you want to update
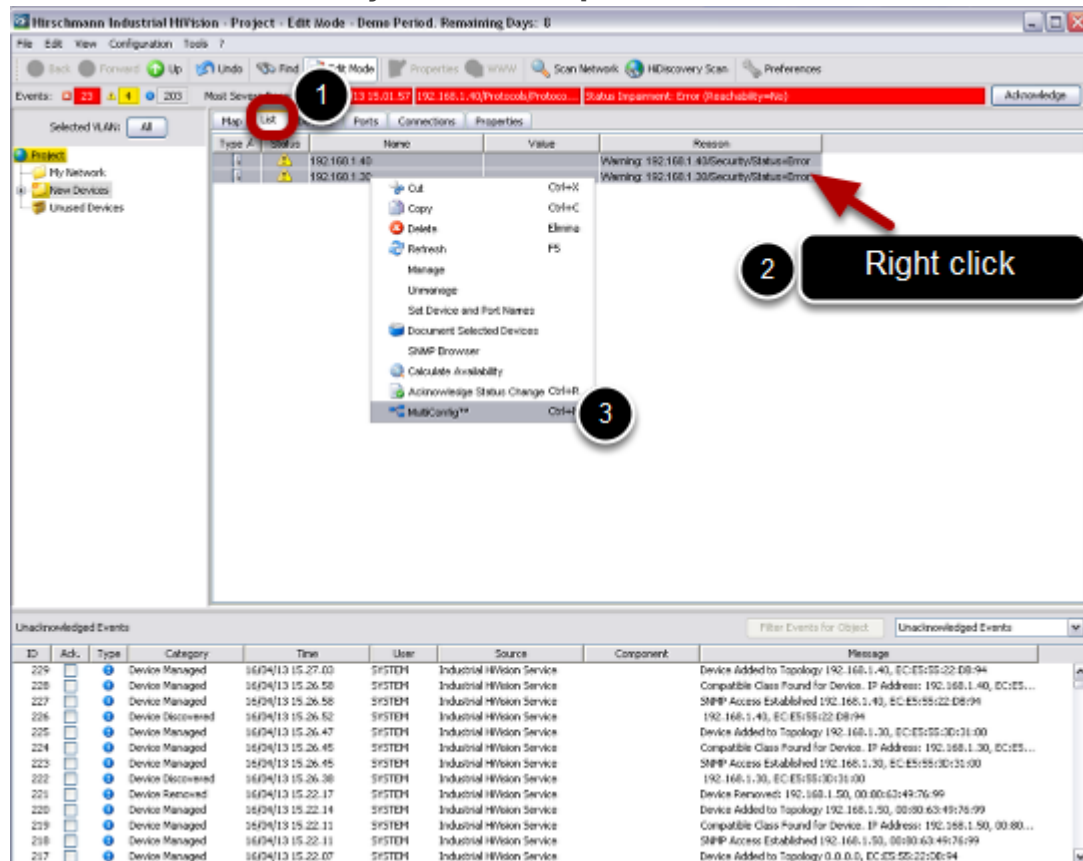
Click on 'List' tab, select all the switches you want to update, then right click, Multiconfig
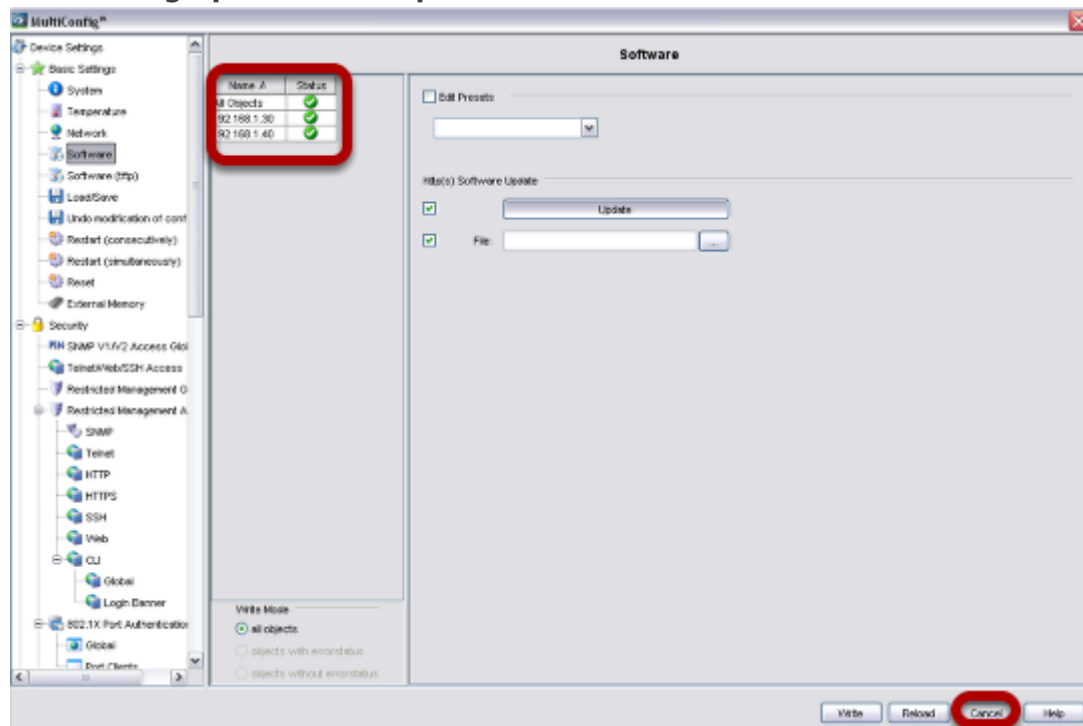
Use Multiconfig

Go to 'Basic Settings', select 'Software'.

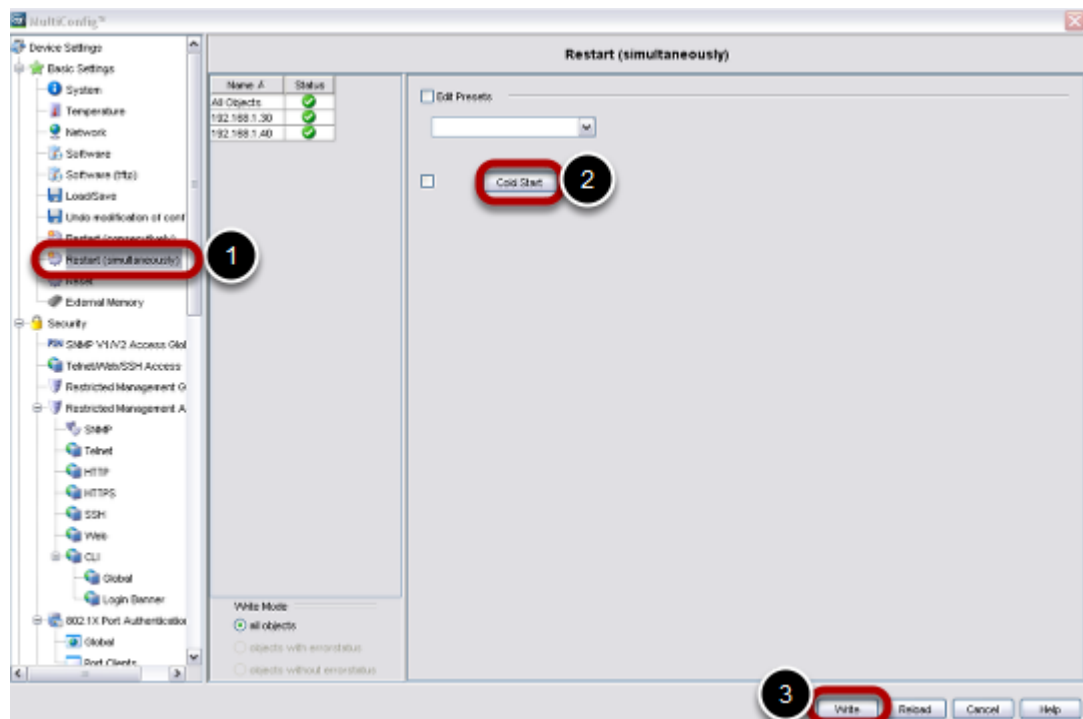In 'File', please specify the path in which you stored the firmware to use.

Click 'Write'

Multiconfig operation completed

When Multiconfig completes the operations, you can see a green sign. To close this window, click 'Cancel'

Reboot the switches

Using again Multiconfig, go to 'Basic Settings', 'Restart (simultaneously)', 'Cold Start' and reboot the switches.

Check new firmware version

Under 'List' select all you switches, press 'F5', check that the new firmware version is shown.