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# GE\_Proficy\_Machine\_Edition\_Vuln

A PoC of GE Proficy Machine Edition 8.0

Proficy Machine Edition is a software that deploys HMI, motion, and multi-target control, providing a common user interface, drag-and-drop editing, and a rich set of development tools, widely used in Industrial Control System.

Reference: Proficy Machine Edition

This repository gives the PoC that crashes the program! If you need the details, please contect me(dliangfun@gmail.com).

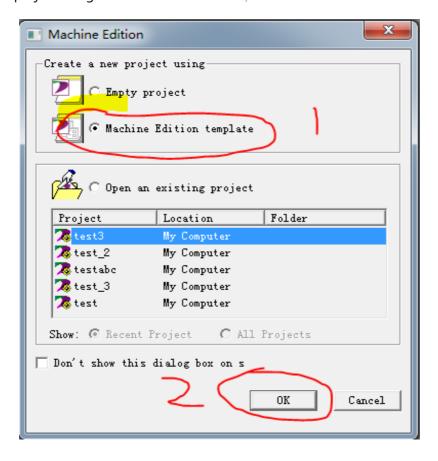
## PoC deploy instruction

Proficy Machine Edition run on desktop (eg. Win7), connecting to a device such as GE RX71. Attacker can exploit MITM taking control of communication traffic, but on demostration, attacker was on a role of Proxy. Therefore, poc.py is the attacker's program.

## Steps

### Create a new Project

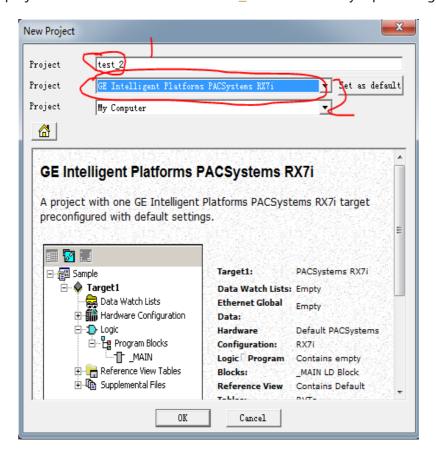
• 1.Create a new project using Machine Edition template



2.Name the project as test\_2 and choose device RX 7i

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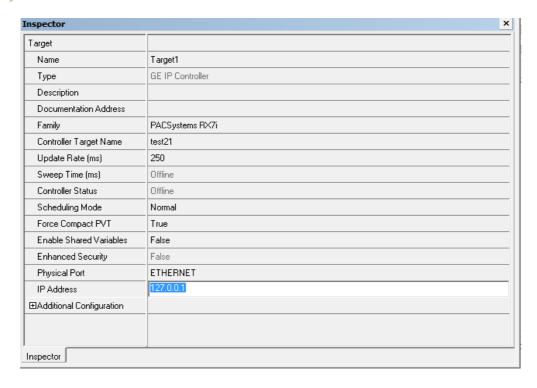
Note that the project name must be named as test\_2 for the correctly reproducing the vulnerability.



#### 3.Configure IP address

Proficy Machine Edition should be configured correct address with proxy program's IP, proxy program is act as a device.

Set Physical Port as ETHERNET and IP Address as 127.0.0.1.



Run the poc.py

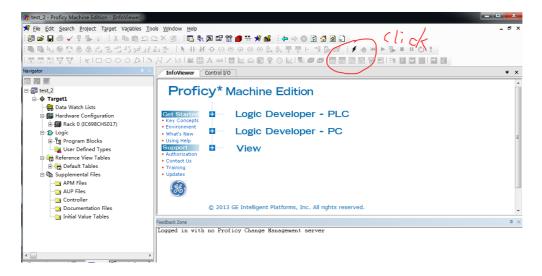
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• 4.The proxy program poc.py was run, and listen to port 18245

### Operate the GUI

• 5.Click the connect button as following

#### Operation as following:



Finally software will crash as follwoing:

