

# Running IndigoSCADA with Wine

dougherty.jeffrey@gmail.com

8/22/19

## 1 System Notes

This guide was assembled using Ubuntu 18.04 and the default apt repositories. It has not been tested on any other version of Linux. The machine used was a VirtualBox VM, but the instructions should also work for a native Ubuntu install.

## 2 Requirements

You will need the IndigoScada compiled binaries available at <https://sourceforge.net/projects/indigoscada/> and a compiled version of Qt 3.3.8.

## 3 Procedure

1. Set up a new machine with Ubuntu 18.04, minimal install.
2. Install dependencies. From Terminal, run:

```
sudo apt update
sudo apt upgrade
sudo apt-get install wine-stable cabextract q4wine
```

3. Install winetricks. From Terminal:

```
cd ~/Downloads
wget https://raw.githubusercontent.com/Winetricks/winetricks/master/src/winetricks
chmod u+x winetricks
sudo cp winetricks /usr/local/bin
sudo chown <your-user-name>:<your-user-group> /usr/local/bin/winetricks
```

4. Install IndigoSCADA in a new Wine prefix. For the version I have:

```
wine <path-to-indigoscada-binaries>/indigo-scada-binaries-<version>.exe
```

When the installer launches, choose the directory where you install IndigoSCADA carefully and make a note of it. This will be your **working directory** for the installation. So if you install in /home/user/indigoSCADA, that is your **working directory** for IndigoSCADA

5. Install Qt 3.3.8 in your Wine prefix:

```
wine <path-to-compiled>/Qt-3.3.8-compiled.exe
```

Again, make a note of what directory you install Qt in. This is your **Qt directory**

6. Get your current path for the Wine prefix:

```
wine cmd.exe
```

When you get a Windows command prompt, type:

```
echo PATH
```

and make a note of the path displayed on screen. You will need it for the next step.

7. Edit your Wine prefix registry so it can find the necessary execution files. Enter the registry with:

```
wine regedit
```

Once you are into the registry, go to HKEY\_CURRENT\_USER and under “Environment” add new **string** values with the following names and data:

PATH: Type the path you wrote down above, then “;Z:\<Qt directory>\3.3.8\bin;Z:\<working directory>\scada\bin”

QTVR: 338

QTDIR: Z:\<Qt directory>\Qt\3.3.8

8. Install fonts:

```
winetricks
```

Once in Winetricks, choose “select default Wine prefix” and then “Install fonts.” On the checklist that comes up next, pick “corefonts” and “uff”, then proceed.

9. Configure HMI Designer. Access it by typing:

```
cd <working directory>/scada/bin  
wine hmi_designer.exe
```

Once in HMI Designer, go to the Edit menu and select Settings. Under the box for plugin locations at the bottom of the page, add as needed until it has the following in it:

```
<working directory>/scada/plugins  
<working directory>/scada/bin  
<working directory>/scada/bin/qwt.dll  
<Qt directory>/Qt/3.3.8/plugins
```

That should finish configuration. Once you're done, launch the SCADA manager with:

```
wine <working directory>/bin/manager.exe
```

**Note:** You may have to delete the default hmi<n>.ui files from the scada/project directory to get your own files to run. I'm still investigating that.