

Code Dark Configuration Notes

Version 1.0, April 2025

Introductory notes

Code Dark is a linux workstation (Ubuntu 24.04 Desktop as of now). Anyone who is an accomplished linux user can usually accomplish the tasks described in this document without recourse to the “helpful” configuration tool provided.

The basic user on the desktop that opens automatically at boot is the user ‘orthanc’. The password for the user ‘orthanc’ is, unsurprisingly, ‘orthanc’. When privileged permissions are required, you will have to supply that password.

The following sections may generally either be performed by the experienced user in a gnome terminal or using a supplied application- `code_dark_configurator`.

To invoke `code_dark_configurator`, left click the arrowed circle on the bottom right docking bar. This will bring up a new view of applications to use. The icon on the top row about 4th from the left will say “Code Dark” and look like a folder with a globe. Left clicking on that will bring up the graphical configuration tool.

System Time

System time must be set correctly. You can either set it via the “date” command in a gnome terminal as “`sudo date <mmddHHMMYY>`” where `mmddHHMMYY` a two digit month, day, hour, minute and (lower two digit) year.

If you invoke the Code Dark configurator a label with an entry two the right of that is provided to enter the same values.

IP Network Address

The Code Dark configurator has a label entry for this. The entry value is the form of `<IPv4 ADDR DOTTED QUAD>/<CIDR>`. For example, `10.0.23.45/24` is an IP address of 10.0.23.45 within a class C network (e.g., netmask of 255.255.255.0). If the entry is ‘system’ then the configurator won’t touch the networking configuration and a knowledgeable person will have to use the available ubuntu tools (left click the wired network icon on the upper bar to the right) to set the network and mask appropriately.

The Z80 workstations are supposed to have only one active network port. If for some reason they do not have that (but have two or more), then the configurator will not be able to set networking and you'll have to do things manually.

The network address needs to be what the connecting modalities expect to find a Dicom server at. There is no easy automatic determination of this value.

Dicom Parameters

There are in addition to the network address that the connecting modalities expect - they expect a listening port number at the IP network address specified and they also expect an AET (Application Entity Title). Again, these are what the connecting modalities expect to see.

Authorized Radiologists

These are the list of doctors who are authorized to sign reports being written on this workstation. There are no restrictions to adding or deleting from the list- it is stored on the datadrive. It's just a reminder really that signing with a known name makes the report a legal document.