

# Vampiria Framework 0.8

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# Chapter 1

## General Description

Vampiria is a prototype framework written in C++ and Python for creating networks of nodes. A node is placed in a network segment and performs a task (monitoring, relay, management, etc.). The framework is tested on debian linux and uses the base library versions of debian distributions.

### 1.1 Framework Structure

The framework consists of the following directories:

- bin Execution files of software created in the framework
- cache Cache used by software, files are deleted when software stops running
- framework Contains libraries, installers, miscellaneous files and framework documents
- framework/doc Framework documentation, for some sections must be generated
- framework/dtd Xml dtlds used in the framework
- framework/lib Compiled Shared Object Files of C++ Libraries
- framework/main Contains installation files(install.py and uninstall.py)
- framework/pylib Compiled Shared Object Files of python Libraries
- framework/python Python libraries, most of the part contains the conversion of c++ code to python

- framework/src C++ Libraries
- framework/web Small JavaScript library to interface with nodes via browser
- home Used by software and modules for non-volatile files
- lib Used to insert links to libraries outside the framework
- pkg C++ libraries that are not found in the basic version
- pyenv/vmodules Framework Modules
- software Software Sources
- vpkg C++ libraries that are not found in the basic version
- vpkg/vpkg.py Installer for libraries in pkg, vpkg and wpkg
- wpkg JavaScript libraries that are not found in the basic version

## Chapter 2

# Manual under construction