

Vampiria Framework 0.8

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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 dtds 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