

Practice 1:

Installation, implementation and evaluation of desktop operating systems

It is intended to install a sample of operating systems and their software packages to obtain the following profiles:

- Programmer Profile
- Media Profile
- Office Profile

Through the adequacy of systems to these profiles is intended that the learner acquire skills with installation tools and package management of each of the families.

The Operating Systems selection has been done through a families based approach. Specifically:

- Windows Family: **Windows Server 2016**
- Red-Hat Family: **CentOS 7.5** - Red Hat 7.5 - Oracle Unbreakable Linux 7.5
- Debian Family: **Debian Stable 9**
- BSD Family (FreeBSD-NetBSD-OpenBSD): **FreeBSD 11.2**
- TrueOS (PC-BSD before): **18.06**
- **Fedora Core 28**
- **Suse linux enterprise Server: SLES**
- **Optional:**
 - **MacOS High Sierra**
- Other Families (1 of 2)
 - Gentoo
 - Linux From Scratch (LFS)

Each of the above systems will be installed and adjusted to each of the three profiles proposed.

It has to be enough clear that each one of the operating systems is installed and configured. It is needed to propose comparison ways between systems that it can be used in tables and graphs to compare them. These benchmarks will be proposed and defended individually. Logically both, consistent criteria and their application in comparing systems should be considered to the final score.

Practice 1: Preliminary date: Oct 16th – 20th