

Practice 2. Basic Services

Operating Systems: Windows Server, Centos/Debian, FreeBSD/Solaris).

Aims:

- Install a set of basic services in server systems.
- Perform the basic configuration for each service
- Test it from external computer (Host/Other Guest)

Items:

- Licenses
- Partitioning
- Start/Stop/Restart/Enable/Disable services
- Remote administration:
 - ssh, sftp, scp (access by user and by public / private key)
 - vnc
 - RDP (administration, user mode and console mode)
 - XDMCP
 - freenx
- Directory Server (Active Directory, OpenLDAP, Fedora Directory Server)
- User Management: Local, NIS, LDAP
- DNS Service (static and dynamic, as dyndns)
- DHCP Service (assignment by MAC)
- Join DNS + DHCP for dynamic update addresses according concession.
- File Server:
 - NFS
 - SAMBA / SMB (LDAP)
- Print Server
- Mail Server:
 - Dovecot, Postfix + MySQL + amavis + spamassassin
 - sendmail + clamav + MailScanner + spamasasin
 - Merak WebMail)
- FTP server
 - Serv-U
 - Vsftp
 - proftpd
- Emulating another operating system:
 - CYGWIN
 - WINE
 - Qemu
- Virtualization: VMware, Parallels, VirtualBox, Qemu + Virtualization tool
- Paravirtualization:
 - Xen

To deliver:

- Service logs

- History of bash commands for each service

Practice 2: Nov, 21 - 23