

Practice 2. Basic Services

Operating Systems: Windows Server, RockyLinux/Debian, FreeBSD).

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)
- 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)
- File Server:
 - NFS
 - SAMBA / SMB (LDAP)
 - iSCSI
- BD Server: MySQL, PostgreSQL Oracle Express (data through http)
- Web server: 2 virtual domains with CMS
- Print server
- FreeNAS + iSCSI
- Git + NextCloud (add local clients to your host)

To deliver:

Service logs

History of bash commands for each service

Practice 2: Nov, 18th

On Windows, activate installation events on “event viewer” and save as csv (splitted by ‘,’)

On Linux/Unix, to obtain all commands executed type:

```
# history >> report.txt
```

Memory Structure:

It will be mandatory to deliver a folder structure per Operating System with this content:

doc -> assessment block report

ssh -> linux.log, unix.log, windows.csv + historylinux.txt, historyunix.txt

vnc_rdp -> linux.log, unix.log, windows.csv + historylinux.txt, historyunix.txt

nfs_samba -> ...

FreeNAS_iSCSI -> ...

cups -> ...

dhcp -> ...

dns -> ...

git -> ...

bd -> ...

web -> ...

ldap -> ...

Virtualbox Host-Only device address: 192.168.24.1/24

IP Ranges for DNS:

Linux 192.168.24.41

Unix 192.168.24.42

Windows 192.168.24.43

IP Ranges for DHCP

virtualBox disabled and with range between 192.168.24.2 and 192.168.24.40

Linux 192.168.24.51 - 192.168.24.100

Unix 192.168.24.101 - 192.168.24.150

Windows 192.168.24.151 – 192.168.24.200