

COMPETENCES

AFTER COMPLETING THIS COURSE, STUDENTS WILL BE ABLE TO:

- C.1: Install Windows and Linux operating systems
 C.2: Easily manage Windows and Linux operating systems as administrator user.
 C3: Perform basic configuration of Windows and Linux
 C4: Create virtual machines using Microsoft virtual PC, Vmware, Virtualbox and bookmark.
 C5: Manage groups and user accounts in Windows and Linux, with or without AD
 C6: Cross configuration Windows-Linux users and CIFS (SAMBA) and NFS shared resources
 C7: Apply techniques of protection against external threats. Use of antivirus and firewall
 C8: Backups management.

COMPETENCES DISTRIBUTION

COMPETENCE		ESSENTIAL 60% TIME 60% MARK	IDEAL 40% TIME 40% MARK
C1	Install Windows and Linux operating systems		x
C2	Easily manage Windows and Linux operating systems as administrator user.		x
C3	Perform basic configuration of Windows and Linux	x	
C4	Create virtual machines using Microsoft virtual PC, Vmware, Virtualbox and bookmark.	x	
C5	Manage groups and user accounts in Windows and Linux, with or without AD		x
C6	Cross configuration Windows-Linux users and CIFS (SAMBA) and NFS shared resources	x	
	Set up sharings		x
C7	Apply techniques of protection against external threats. Use of antivirus and firewall		x
C8	Backupsmanagement.	x	
	Set up backups policies		x

CONTENTS

Installation of the O.S. Windows and Linux
 Logical structure of a hard disk: types of file systems
 MS-DOS
 Windows external utilities, antivirus, and firewall
 Regedit, services.msc and msconfig and other tools
 Management of users and groups Windows and Linux
 Management of processes and memory
 Linux server from terminal
 Windows and Linux as DC
 Host scripting, bash, cmd, powershell
 Crossedaccess Ubuntu - Windows server