www.alcasar.net





INSTALLATION

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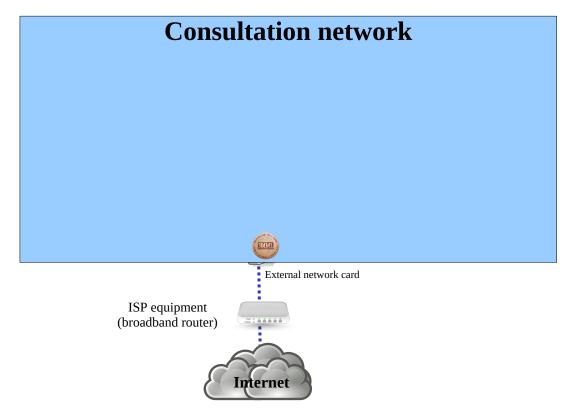
1. Introduction

This document describes the installation procedure of the ALCASAR portal. It is supplemented with three other documents : the presentation document, the operating instructions document and the technical document.

If you already have a working version of ALCASAR and you want to upgrade it, please refer to the operating instructions document (chapter « update »).

ALCASAR can be installed on a standard computer with two Ethernet network cards. The first one is connected to the Internet Service Provider equipment. The second one is connected to the switch used to service the equipment of the consultation network.

By default, the IP address of this second network card is : 192.168.182.1/24. This allows you to have a class C network (254 equipment). This network addressing plan can be modified during the installation stage. For all equipment of consultation network, ALCASAR is the DHCP server, the DNS server, the network time-server and the default router (gateway). **Thus, on this network, there must be no other DHCP server and gateway** (check your Wi-Fi access points).



Examples of IP addressing plans

Parameters	@IP of the network	Number of equipment	Network mask	@IP of ALCASAR (this address is the IP address of the DNS server and of the default gateway	DNS suffix
Default IP address plan ("C class")	192.168.182.0/24	253	255.255.255.0	192.168.182.1/24	localdomain
"B class" IP plan	172.16.x.0/16 $1 \le x \ge 255$	65533	255.255.0.0	172.16.x.1/16	localdomain

Even if it is possible to define a "A class" network, you shouldn't do it because the embedded DHCP server will have to manage over than 16 million IP addresses. The management of such volume of addresses would spend too much memory.

2. Installation

The installation of ALCASAR consists of two steps. The first one is the installation of a minimalist Linux operating system based on Linux-Mageia. The second step is to run a script which installs and configures all the components of ALCASAR.

2.1. Hardware requirement

ALCASAR only requires one standard computer (PC) or a virtual machine (VM) with 4GO of memory, two network cards and a drive with a capacity of at least 100 Go in order to be able to store logs related to connections tracing. ALCASAR includes several optional filtering systems (network protocols, URL, IP addresses, domain names and antimalware). If you decide to enable these filtering systems, it is recommended to use at **least 8 GB** of RAM in order to ensure an acceptable processing speed (ALCASAR loves the RAM ;-)).

 Δ **On a VM**, the following information must be kept in mind :

- the size of the dynamic hard drive must not be smaller than 40G;
- The graphic card should be as simple as possible ("**vga**" generally).
- On KVM/QEMU hypervisors like "Promox", the network cards (NIC) mustn't be "virtio" type (choose "e1000" or "Intel-pro1000" for example); You can also let the VM manage the real NIC of the PC. To do that, after removing the virtual NIC, choose the following options : « Add hardware » + « Host PCI peripheral » + choose the PCI card corresponding to your physical network card.
 - A complementary document is published on ALCASAR WEB site. It explains the installation of ALCASAR on « Virtualbox » or « Proxmox ».

Installation of the system 2.2.

The installation procedure of the operating system is the following (estimated time : 6') :

- Retrieve the ISO file of version 9 of Linux-Mageia (file : « mageia-9-x86 64.iso ») on Mageia website as well as on several mirror sites of Mageia. Another solution is to retrieve the ISO file we specially create for ALCASAR. This file is downloadable on the ALCASAR web site or in the folder "iso" of the site ftp.alcasar.net. This file isn't always available when a new version of ALCASAR is ready. On a PC:
- - Burn this ISO image file on a removable support (CD, DVD, USB flash drive)¹;
 - Configure the BIOS settings to remove the "Secure Boot" option, to set the date and time and to enable booting from the CD or USB flash drive. At the end of the installation, configure, once again, the BIOS settings to only boot from the hard drive:
 - Insert your removable support. Reboot the computer and follow the instructions below :
- On a VM:
 - Copy the ISO file in the dedicated zone of the hypervisor. Link this ISO image to your VM. Boot your VM.

1 Two solutions are used to create a bootable USB flash drive :

- in graphical mode you can use "rufus" or "win32 disk image" (Windows) or "isodumper" (Linux)
- in console mode on Linux, plug the USB flash drive and get the name of the device with the "fdisk -l" command (a USB flash drive is usually "/dev/sdb" or "/dev/sdc"). Run the command : "dd if=<name of ISO image> of=<name of usb drive> bs=1M".

Screen display	Comments	Actions to achieve
Mageia 9 (64-bit) Instal Mageia Rescue System Memory Test Instal Mageia Rescue System Memory Test 72: Language ()	After starting the computer, one of these two screens is displayed. * If the graphical mode doesn't work, you have to configure the BIOS settings to allocate more than 2 MB of shared memory for the graphics card.	Reading the first line of this screen, you know if your PC (or VM) use an old BIOS (legacy BIOS) or an UEFI*. Remember the type of your BIOS. Select "Install Mageia". * Unified Extensible Firmware Interface
PLEASE CHOOSE A LANGUAGE TO USE Asia Artica Artica Enginh (American) Enginh (Kritish) Enginh (Kritish) Enginh (American) Español Español Español Français Kalaallisut Português do Brasil Runa Simil Multiple languages Help		Select your language and click "Next".
UCURSE ACREEMENT		Accept the license agreement then click "Next". <u>Info:</u> this license agreement explains that the installed software is free (GPL).
KEYBOARD Please choose your keyboard layout Ovorak (US) ISO9995-3 (US keyboard with 3 levels per key) © US keyboard O US keyboard US keyboard (international) More		Choose your keyboard layout and click "Next".
PARTITIONINO Here is the context of your disk drive ATA VBOX HARDDISK (3008) Here is the context of your disk drive ATA VBOX HARDDISK (3008) The Drakk Partitioning witzed found the following solutions: Use free space Context disk partitioning	The hard disk partitioning will be adapted to the needs of ALCASAR (see next step).	Select "Custom disk partitioning" then click "Next".
PARTITIONING Click on a partition, choose a filesystem type then choose an action da Create Create Create Create Create Create Create Clear all Auto allocate	After removing all the partitions, create the following 5 or 6 partitions : ! Create the 1 st "/boot/efi" partition only if you have an EFI BIOS. • /boot/EFI/ : 300 MB - type: efi system partition • / : 10 GB - type: Journalised FS: ext4 • swap : 5 GB - type: Linux swap • /tmp : 5 GB - type: Journalised FS: ext4 • /home : 5 GB - type: Journalised FS: ext4 • /var : the rest of the hard drive (mini 10GB) – type: Journalised FS: ext4	Click on "Clear all". Then click on the area of the disk (sda) to create each new partition.

Screen display	Comments	Actions to achieve
CREATE A NEW PARTITION Create a new partition Start sector: 1 Size in MB: 5000 Filesystem type: Journalised FS: ext4 Mount point: / / / / / / / / / / / / / / / / / / /	At the end of this operation, and depending on the size of your hard drive, the partitioning should look like this : sda total (sds) (sds) (sds) (sds) (sds) (sds) (sds) (s	 Create the root partition (/). Choose its size (10 Go) and its filesystem (ext4). Repeat this step for all the partitions. Once the partitioning completed, click on "Done".
MEDLA SELECTION The following media have been found and will be used during install: - Cors Relaxes (Installer). Do you have a supplementary installation medium to configure? None None Network (INTP) Network (INTP) Network (INTS)	For ALCASAR, it does not need any other media.	Select "None" then click "Next".
MEDIA SELECTION Here you can enable more media if you want. Some hardware on your machine needs some non free firmwares in order for the free software drivers to work. You should enable "Norfree Release" Core Release (Installer) Norfree Release (Installer)	This screen isn't displayed if you use the ISO file we specially create for ALCASAR.	Select the two media "Core release" and "Nonfree Release", then click "Next".
DESCROP SELECTION You can choose your workstation desktop profile. Click on images in order to see a bigger preview Plasma OKOME OCUTON	This screen isn't displayed if you use the ISO file we specially create for ALCASAR. ALCASAR doesn't need a graphical environment (it is controlled from a WEB browser).	Select "Custom" then click "Next."
PACKAGE GROUP SELECTION Workstadion Server Craphical Environment Imdividual package selection Total size: 1521 / 3464 MB Help Unselect All	This screen isn't displayed if you use the ISO file we specially create for ALCASAR. Package group selection : ALCASAR only requires a very minimal install.	Select "Unselect All" then click "Next". <u>Info:</u> On Linux, a package is an archive file containing all the components of a specific software (binary files, help files, configuration files, etc.).
TYPE OF INSTALL With X Install recommended packages With basic documentation (recommended!) Truly minimal install (especially no urpmi)		Select only "Install recommended packages" and the "basic documentation", then click "Next". The copy of the packages on the hard disk is then launched. Estimated time : 1'
USER NANAGENENT		Assign a password to the "root" account, then, create the "sysadmin" account and assign it a password. Then, click "Next".

Screen display	Comments	Actions to achieve
SUMMARY System Timezone - America/New_York Configure Country / Region - United States Bootloader - grub-graphic on /dev/sda Configure User management Configure Services - 12 activated for 16 registered Onfigure + Hardware	Configuration of your time zone and your country	In the group "System", click on "Configure" in "time zone" section then in "Country" section. Select your time zone and your country.
SUMMANY User management. Configure Services - 11 activated for 13 registered. Configure + Hardware Keyboard - Prench. Configure Graphical interface - not configure Graphical interface - not configure - Network & Internet Network & Internet Network & Internet Security Firewall - activated. Configure - Security		Click on "Configure" in "Network- ethernet" in the "Network & Internet" section.
NETWORK & INTERNET CONFIGURATION Choose the connection you want to configure Wreid (Ethernet) Satellite (DVB) Cable modem DSL ISDN Wireless (Wi-Fi) GPRS;Edge;3G Bluetooth Dial Up Networking Analog telephone modem (POTS)		Select the type of Internet connection. In the case of the use of an ISP broadband modem, choose "Wired (Ethernet)". Then, click "Next".
Ethernet Ethernet Select the network interface to configure: enp0s3: Intel Corporation 82540EM Gigabit Ethernet Controller enp0s8: Intel Corporation 82540EM Gigabit Ethernet Controller	At that time, only the network interface connected to the broadband modem of the ISP has to be configured. The second network interface, connected to the consultation network, will be configured later, during the installation of ALCASAR.	Select the interface to configure, then click "Next". <u>Tips :</u> Choose the interface with the smallest index. <u>Write the name of this interface on a paper.</u> <u>Info :</u> the names of interfaces are linked with the physical architecture of your PC. They could differ from the printscreen.
NETWORK & INTERNET CONFIGURATION Ethernet Please select your connection protocol. If you do not know it, keep the preselected protocol. Automatic IP (BOOTP/DHCP) Manual configuration		Select "Manual configuration", then click "Next". <u>Info :</u> While it is possible to let this interface in "bootp/dhcp" mode, we recommended configuring it manually (static mode).
NETWORK & INTERNET CONFIGURATION Ethernet IP address 192.168.0.10 Netmask 255.255.255.0 Gateway 192.168.0.254 DNS server 1 208.67.222.222 DNS server 2 208.67.220.220 Host name	 Example : IP address : this address must be in the same sub-net as the address of the broadband modem. Netmask : 255.255.0 Gateway : This is the address of the broadband modem. DNS 1 and DNS 2 :* Host name : Leave the default value (or blank) 	 Enter the parameters of this interface * Enter the IP addresses of the DNS servers provided by your ISP. You can also use other DNS servers. Examples: Association <u>DNS0.eu</u> (FR) (DNS1=193.110.81.0, DNS2=185.253.5.0) Association (FR) <u>FDN</u> (DNS1=80.67.169.12, DNS2=80.67169.40) Free project "<u>OpenNic</u>" (see the web site to know the closest servers for you) Association (US) Quad9 (DNS1=9.9.9.9) Association (US) Cloudflare (DNS1=1.1.1.1, dns2=1.0.0.1)
NETWORK & INTERNET CONFIGURATION Ethernet Connection control Allow users to manage the connection Start the connection at boot Enable traffic accounting Allow interface to be controlled by Network Manager Automatic		Select only "Start the connection at boot", the click "Next".

Screen display	Comments	Actions to achieve
NETWORK & INTERNET CONFIGURATION Do you want to start the connection now? Yes (*) No	It is not necessary to start the connection now.	Select "No", then click "Next".
NETWORK & INTERNET CONFIGURATION Congratulations, the network and Internet configuration are finished.		Click "Finish"
SUMMARY User management Configure Services - 11 activated for 13 registered Configure - Hardware Keyboard - French Configure Mouse - Universal Any P5/2 & USB mice Craphical interface - not configure Craphical interface - not configure Network & Internet Network - network::connection::ethernet Provies - not configure Provies - not configure Security Firewall - activated Configure D Help Next		Click "Next"
UPDATES You now have the opportunity to setup online media. This allows to install security updates. To setup those media, you will need to have a working internet connection. Do you want to setup the update media? Ves No No	If you use the ISO file we specially create for ALCASAR, the installation will continue (white screen) and the system will reboot automatically. Security updates will be managed during the installation of ALCASAR.	Select "No" and click on "Next".
CONCENTUATIONS Comparison in training the second s	If you use the ISO file we specially create for ALCASAR, the installation will continue (white screen) and the system will reboot automatically. The installation is finished.	Click "Reboot" Remove the CDROM or the USB flash drive. Reconfigure the BIOS to boot only from the hard drive.

2.3. Installation of ALCASAR

Configuration of the network cards

Screen display	Comments	Actions to achieve
Mageia release 6 (Official) for x86_64 Kernel 4.9.35-desktop-1.mga6 on a x86_64 / tty1 localhost login: root Password:	Disconnect the cables of the two network cards. Log in as root	
lo: link beat detected enp0s3: unplugged enp0s8: unplugged	Display continuously the state of the network cards.	<mark>watch ifplugstatus</mark>
lo: link beat detected enpØs3: link beat detected enpØs8: unplugged	When you connect another equipment via a cable to one of your network cards, its status changes from "unplugged" (down) to "link beat detected" (up).	You have to connect the cable linked to the ISP broadband modem (Internet access) in the network interface you have previously configured (normally, the interface with the smallest index).
	The two network interfaces must be up to continue the install process.	Connect the second network interface to the switch of your internal LAN. Verify that the two interfaces are enabled. Then stop the command with the $\langle Ctrl \rangle + c$ <i>keys</i>
<pre>[root@localhost ~]# ping -c3 www.google.fr PING www.google.fr (216.58.211.99) 56(84) bytes of data. 64 bytes from par03s15-in-f99.le100.net (216.58.211.99): icmp_s 64 bytes from par04s15-in-f99.le100.net (216.58.211.99): icmp_s 64 bytes from par04s15-in-f99.le100.net (216.58.211.99): icmp_s 64 bytes from par04s1</pre>	Configure the Internet-connected card, then test Internet connectivity.	<mark>ifup enp0s3</mark> ping -c3 free.fr (or another Internet site)

Download the ALCASAR installation file

This file is an archive file named : alcasar-x.y.tar.gz ('x.y' means the version number you want). If you've installed Linux-Mageia with the ISO we specially create for ALCASAR (Mageiar), this file has already been uncompressed in the "/root/alcasar-x-y" directory. Go to the installation step. In the other cases, you can download this file with two different ways (via HTTP or via a USB flash drive):

• <u>Via HTTP</u>: on the ALCASAR PC, download the last version stored on the server "ftp.alcasar.net"

Screen display	Comments	Actions to achieve
← → C O A fip-alcasar.net/stable/ Index of /stable Name Last modified Size Description Plarent Directory a classar-3.5.1.targz 2020-11-02 22:25 40M b alcasar-3.5.1.targz 2020-12:15 23:46 40M b alcasar-3.5.1.targz 2020-12:15 23:46 40M classar-3.5.5.targz 2020-04:46M classar-3.5.5.targz 2020-04:21 2:24 55M b alcasar-3.5.targz 2020-08:28 12:24 55M		With a desktop PC, connect a Web browser to the server " <u>ftp.alcasar.net</u> " and look at the available ALCASAR installation files (in the folder "stable").
froot@localhost "1# curl =0 "http://tp.alcasar.net/stable/alcasar=3.4.tar.gz" % Total × Received × Xferd interage Speed Time Time Current []0# 05.57 M 00 65.57 []0# 05.57 M 00 70 00 00 00 00 00 00 00 00 00 00 00	On the ALCASAR computer, download the installation file you want.	<mark>curl -O <u>http://ftp.alcasar.net/stable/</u> alcasar-x.y.tar.gz</mark>

<u>via a USB flash drive</u>: From a Desktop PC, download the latest version of the ALCASAR (website or <u>ftp.alcasar.net</u>). Copy this file on an USB flash drive. Then, use the following procedure to copy it on the ALCASAR computer :

Screen display	Comments	Actions to achieve
[root@localNost -]# fdisk -1 bisque /dev/sda: 80.6 06, 80032038012 octets 255 heads, 58 sectors/rick, 5730 cylinders bisks.dentifier: 8x7sadcsr6 Periphericken exerce Debut Frin Blocs Id Système periphericken exerce Debut 275 10241406 7 µmFSAVTFS /dev/sda1 276 6500 40340476 198 Linux /dev/sda5 1276 2500 10241406 7 µmFSAVTFS /dev/sda6 2551 3082 10297631 89 Linux /dev/sda6 2550 10241406 7 µmFSAVTFS /dev/sda6 2550 10241406 7 µmFSAVTFS /dev/sda6 2550 3082 10297631 89 Linux /dev/sda6 2550 3082 10297631 89 Linux /dev/sda8 500 1031700776 ctots /dev/sda8 500 1031700776 ctots /dev/sda8 500 1031700776 ctots Disque /dev/sdb1 551 552 200144 byts Dista /dev/sdb1 551 552 200144 byts Dista /dev/sdb1 1051 552 200144 byts Dista /dev/sdb1 1051 10776 fb 100 100 000 0 ymf82 Dista /dev/sdb1 100 000 0 ymf82 Dista /dev/sdb1 100 000 0 ymf82 Dista /dev/sdb1 100 0 ymf84 (LBA) /dev/sdb1 100 0 ymf84 (LBA) /dev/sdb1 100 0 ymf84 (LBA) /fov/sdb1 100 0 ymf84 (LBA)	Insert the USB flash drive. Display information on mass media storage to get the name of your USB flash drive. In this example, "/dev/sdb1" is a 1 GB USB flash drive.	fdisk -l Info : You also can display the system log to get this name (journalctrl - f).
[root@localhost ~]# mkdir /media/usb [root@localhost ~]# mount /dev/sdb1 /media/usb/ [root@localhost ~]# cp /media/usb/alcasar-* . [root@localhost ~]# umount /media/usb/	 Create a directory and mount the USB flash drive on it. Copy the archive of ALCASAR to the directory "/root". Unmount the USB flash drive. Unplug it. 	<pre>mkdir -p /media/usb mount /dev/sdb1 /media/usb/ cp /media/usb/alcasar-* /root/ umount /media/usb Info : Replace "sdb1" with the device name retrieved in the previous step.</pre>

Decompression of the ALCASAR installation file

[root@localhost ~]# sha256sun alcasar-2.7-test.tar.gz aa6a06936664eb209b8aa7e2160f00350094c6785de3ae27d1801d29492477ba accaser-v2.7-test Description courte: SHA256 : aa6a0693664eb209b8aa7e2160fd0350094c6785de3ae27d1801d29492477ba Envoyé He 30 an 2013 Téléchargemente: 138 Version: 2.74est	•	Compute the SHA256 digital footprint of this installation file and compare it with that of the website.	sha256sum alcasar-x.y.tar.gz Info : If the digital footprint doesn't match, download the archive again. If the problem occurs one more time, ask the developer team via the forum.	
[root@localhost ~]# tar -xvf alcasar-3.0.tar.gz _	•	Decompress this archive.	tar -xvf alcasar-x.y.tar.gz	

Installation

If you want to update a previous version of ALCASAR, it's time to copy the configuration file of your previous version of ALCASAR in the folder "/var/tmp/" with the name "alcasar-conf.tar.gz".

Screen display	Comments	Actions to achieve
[root@localhost ~]# cd alcasar-1.3.0/ [root@localhost alcasar-1.3.0]# _	Move to the directory of ALCASAR and run the installation script.	<mark>cd alcasar-x.y</mark> sh alcasar.sh -i
ALCASAR U3.8ncl Installation Application Libre pour le Contrôle d'Accès Sécurisé et Authentifié au Réseau User License ALCASAR is an open source software Before install it, you must understand and accept the license 'GPL-V3' you can read this license in the file 'GPL-3.0.txt' The goals of this license are: - the freedom of studying et Adapting it for its own uses : - the freedom of studying te software; - the freedom of studying te Adapting it for its own uses : - the freedom of redistributing copies of It : - the commutary of giving the modify versions to the community Do you accept the terms of this license (Yzn)? : _	Acceptation of the license	ALCASAR is a free software (open source) developed under the GPLV3 license.
ALCASAR U3.BFcl Installation Application Libre pour le Contrôle d'Accès Sécurisé et Authentifié au Méseau Network parameters tests : : ok	The network configuration is tested.	
<pre>installation de php-ctupe-5.1.6-indu2007.0.1586.rpm Prépartion Prépartion installation de php-fup-5.1.6-1.1ndu2007.0.1586.rpm Prépartion installation de php-fup-5.1.6-1.1ndu2007.0.1586.rpm Prépartion installation de php-fup-5.1.6-1.1ndu2007.0.1586.rpm Prépartion installation de php-gettext-5.1.6-1.1ndu2007.0.1586.rpm Prépartion installation de php-gettext-5.1.6-1.1ndu2007.0.1586.rpm Prépartion</pre>	The installation of about a hundred software (packages) is done from the Internet. Estimated time : 3'	
ALCASNR VZ.7 Installation Application Libre pour le Contrôle d'Accès Sécurisé et Authentifié au Réseau Enter the mame of your organism :	Enter the name of your organization (without spaces)	Example : rasacla Info : <u>This name is mandatory</u> . The only characters allowed are : [a-z] [A-Z] [0-9] [-]
ALCASAR V2.2 Installation Application Libre pour le Contrôle d'Accès Sécurisé et Authentifié au Réseau The default ALCASAR IP address on consultation network is : 192.160.182.1.224 De gou mart to use this IP Address and this IP addressing plan (recommended) (Yrn)? : n Enter ALCASAR IP address in CIDR format (a.b.c.d/xx) : 172.16.0.1.224	Define the IP address of ALCASAR and the network addressing plan of the consultation network. You can accept the default one or change it.	Enter « Y » or « N » Info : If you type "N", the script will ask you for the IP address of ALCASAR and the subnet mask in CIDR notation (ex: 172.16.0.1/16)
ALCASAR V2.7 Installation Application Libre pour le Contrôle d'Accès Sécurisé et Authentifié au Réseau Define the first account allow to administrate the portal : Account : _	Enter the username and password for a first ALCASAR administrative account.	Info : This account is used to administer ALCASAR from the consultation network via the graphical control centers at the url " <u>http://alcasar.localdomain</u> ". This is not a consultation user account.
Application Libre pour le Contrôle Authentifié et Sécurisé B Application Libre pour le Contrôle Authentifié et Sécurisé B Application Libre pour le Contrôle Authentifié et Sécurisé B Ades Accès au Méseau (ALCASAM) B Annenission antifié au Accès au Méseau (ALCASAM) B Annenission antifié au Accès au Méseau (ALCASAM) B Annenission antifié au Accès au Méseau (ALCASAM) - The system will be reboted in order to operate ALCASAM - Read the exploitation documentation - The ALCASAM Control Center (ACC) is at http://alcasar Hit 'Enter' to continue	The installation is complete. The system can be rebooted.	Hit "Enter"
alcasar-rexy-um:"# alcasar-daemon.sh 20 services meeded by ALCASAR are started. All is ok alcasar-rexy-um:"# _	Once the system is restarted, login on the system as "root". You can check that all needed services are really started with the command "alcasar-daemon.sh".	If one or more services are not started, the script will attempt to start them.
	Logout	Hit "exit" or " <crtl> + d"</crtl>

2.4. Connection to the ALCASAR Control Center

On the consultation network, connect a PC and run a WEB browser with the URL "<u>http://alcasar.localdomain</u>" in order to display the following page :



Click on the small cranted wheel at the bottom right in order to connect via HTTPS to the <u>A</u>LCASAR <u>C</u>ontrol <u>C</u>enter (ACC). You must authenticate you with the first account created during the installation process.

You can also display this page by clicking the link in the explanation text of the user's interception page:

		Access Control	
9	User	Histor	
1	Password	Cette connexion n'est pas sécurisée. Les dientifiants satsis ici pourraient être compromis. En savoir plus	
		Afficher les identifiants enregistrés	
-		Authentication	12
That cor	ntrol was set up	Information System Security regulations to ensure traceability, accountability a	i non-repudiation of

Now, read the exploitation documentation ("alcasar-exploitation-en.pdf") to create your first "user" accounts.

After a fresh installation, the pages presented to users are not encrypted (HTTP). The exploitation documentation explains how to change this behavior if desired (HTTPS).

3. Stop, uninstall or update ALCASAR

<u>Stop:</u> You can stop the ALCASAR computer with a brief push on the power button of the PC, or with the command « *poweroff* » or via the WEB ALCASAR Control Center (ACC – menu "system" + "services").

<u>Uninstall:</u> You can uninstall ALCASAR with the command « *sh alcasar.sh --uninstall* ». This command uninstalls only ALCASAR. The operating system (Linux Mageia) is still present.

<u>Update:</u> If you launch again the installation script on an already installed ALCASAR, the script will ask you if you want to update or to install again (cf. §8 of the exploitation documentation).

4. Your ALCASAR settings sheet

The file « */root/ALCASAR-passwords.txt* » contains passwords used internally by the different modules of ALCASAR. It contains, more particularly, the password protecting the bootloader (« GRUB2 »). It can be consulted via the command « *cat /root/ALCASAR-passwords.txt* ». Be careful : when you enter the GRUB password, you keyboard is mapped like a "qwerty" keyboard.

Organization name :				
Users authentication page	This page is presented automatically by their browser.			
 The welcome page of ALCASAR allows users: to log in or to log out to change their password to install the certificate of the Certification Authority (C.A.) in the browsers. 	http://alcasar.localdomain Info : The possibilities of the ALCASAR Control Center (ACC) are described in the "ALCASAR-exploitation-en.pdf" document.			
This page gives administrators access to the ALCASAR Control Center (ACC);				
Linux accounts	root password : sysadmin password :			
First ALCASAR WEB administrative account	Login: password :			
 Network parameters IP address of the ISP's equipment (router) : IP address of DNS servers : IP address of ALCASAR (WAN/Internet side) : 	 DNS1: DNS2: 			
• IP address of ALCASAR (LAN side) :	• <u></u> /			