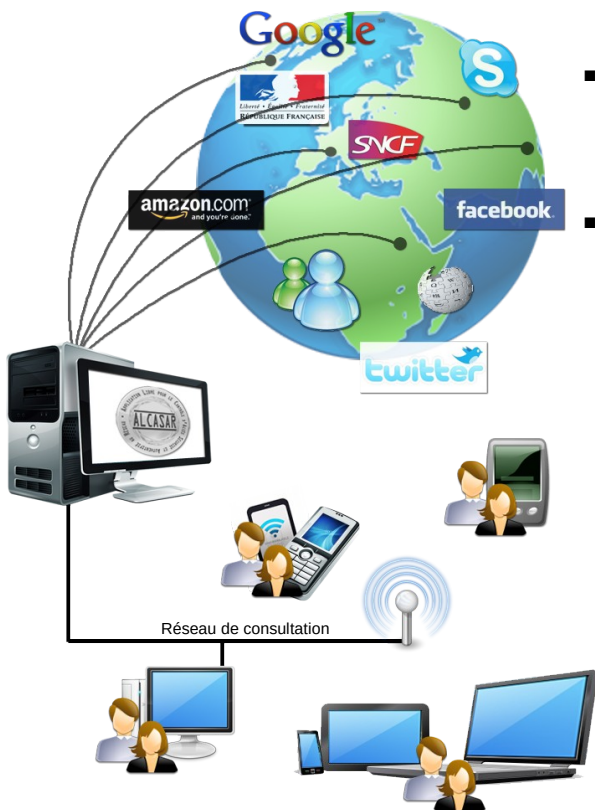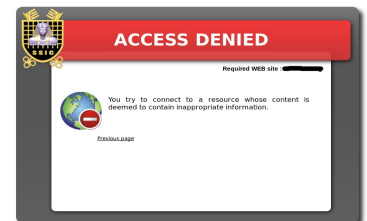# ALCASAR

An authenticated and secured captive portal

ALCASAR is a **free** Network Access Controller which controls the Internet consultation networks. It **authenticates**, **attributes** and **protects** users' access regardless their connected equipment. It includes network filters complying various needs especially **for institutions welcoming young people**. **In France**, ALCASAR allows people in charge of consultation networks to meet the **laws.**

- **To authenticate and control accesses**

- **To trace and impute while respecting privacy**

- **To protect the consultation network**

Réseau de consultation

Users authentication page in 6 langages
(en, fr, de, es, nl, pt)

Sites filtering

ALCASAR is based on a simple computer including all the functions of a authenticating captive portal. It's positioned between Internet and a consultation network. This portal is totally **independent** for both ISP's equipments and consultation network access technologies (WIFI, PLC, Ethernet, etc.). The connected on the consultation network equipments can be any type (PCs, mobile phones, tablets, game consoles, etc.). They require **no changes** in their configuration. An installation's documentation is supplied to allows a **simple** and **quick** deployment.

Linux
mageia

apache

PHP

Squid

ClamAV

NetFlow
Nfdump / nfsen
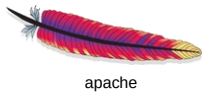
The main page allows users to log-off, to change their password and import the security certificate into their browser. It allows administrators to manage, in a secure way, the portal via the **Alcasar Control Center** (ACC).

FPDF

OpenSSL
Cryptography and SSL/TLS Toolkit

netfilter
firewalling, NAT, and packet mangling for linux

ALCASAR components
▪ A standard PC with two network cards
▪ Secured Linux operating system
▪ Bastion firewall and filtering router
▪ Intercept gateway with DHCP server
▪ Authentication, authorization and accounting server (radius)
▪ Data base management system (for users base)
▪ Can be connected to external directory servers (LDAP or A.D.©)
▪ Web and FTP flow accelerator
▪ Time server
▪ Scripts to deploy, update and manage it
▪ Secured WEB control center :
  ▪ Management of users and users groups
  ▪ Filters management (protocols, domains, URL)
  ▪ Backup of logs files
  ▪ Connections statistics report
  ▪ Real-time firewall report
  ▪ Activity report

MariaDB

OpenSSH

GnuPG

HAVP
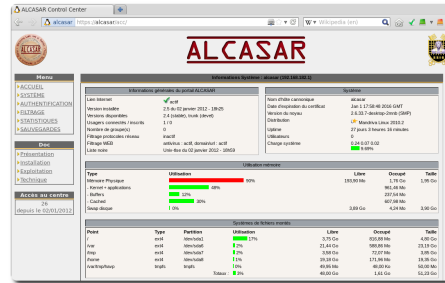
School/parental filtering functions
To meet the requirements of organizations welcoming young peoples, ALCASAR includes the following filters :
▪ a Toulouse University blacklist filter in order to block domain names and URLs. On ALCASAR, this filter operates both on name resolution process and on WEB browsers requests ;
▪ search engines and Youtube results filter;
▪ protection against bypass of the filtering process.

freeRADIUS

Google   bing
You Tube   YAHOO!
metacrawler

Dnsmasq

Respects the French and European laws
▪ European Directive 2006/24/CE about data retention.
▪ French law N°2004-575 for the trust in numerical economy (consolidated in 19/05/2011).
▪ French decret N°2011-219 about retention and communication of data that should identify somebody who has contributed to create on line data.
▪ Accounting compliant with needs of CNIL and CERTA (CERTA-2008-INF-005).
▪ Recommendations of the French security agency "ANSSI" (security pen-test and CSPN-2009/04).

DansGuardian

coova.org

ALCASAR
APPLICATION LIBRE POUR LE CONTRÔLE D'ACCÈS SÉCURISÉ ET AUTHENTIFIÉ AU RÉSEAU

More information : www.alcasar.net