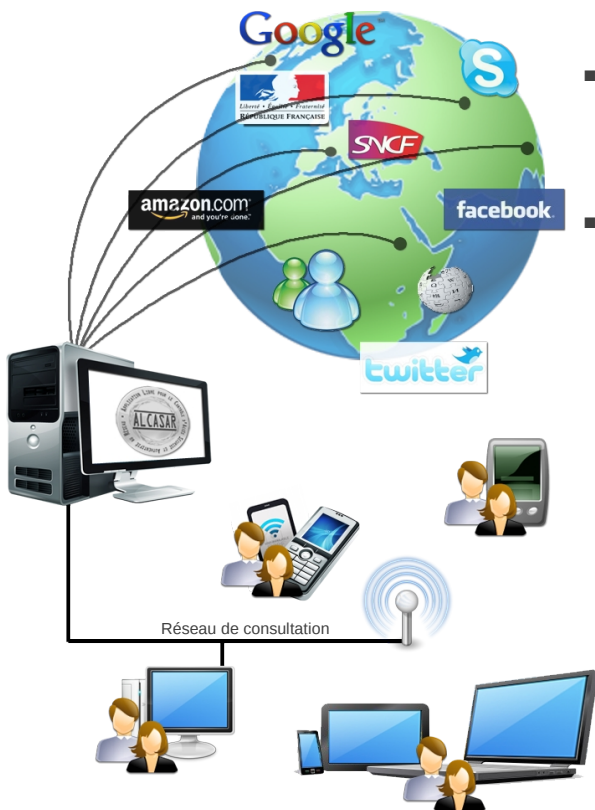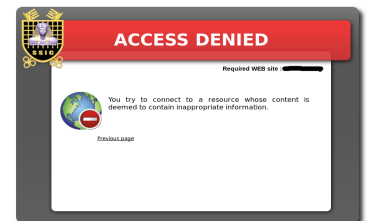# ALCASAR

An authenticated and secured captive portal

ALCASAR is a **free** access control portal for Internet consultation networks. It **authenticates**, **attributes** and **protects** accesses of the users regardless of connected equipments. It includes network filtering mechanisms permitting to meet various needs especially **for institutions welcoming young people**. **In France**, ALCASAR allows those responsible for consultation networks to be conform for 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** both for the ISP's equipments and for the consultation network access technologies (WIFI, PLC, Ethernet, etc.). The equipments connected on the consultation network can be of any type (PCs, mobile phones, tablets, game consoles, etc.). They required **no changes** in their configuration. An installation documentation is supplied to allows a **simple** and **quick** deployment.

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

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

OpenSSH

School/parental filtering functions

To meet the requirements of organizations welcoming young peoples, ALCASAR includes the following filters :

- a Toulouse University blacklist filter based in order to block domain names and URLs. On ALCASAR, this filter operates both on name resolution process and on WEB browsers requests ;
- filter the results of main search engines and Youtube;
- protection against bypass of the filtering process.

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).
- Includes recommendations of the French security agency "ANSSI" (security pen-test and CSPN-2009/04).

DansGuardian

coova.org

More information : www.alcasar.net