

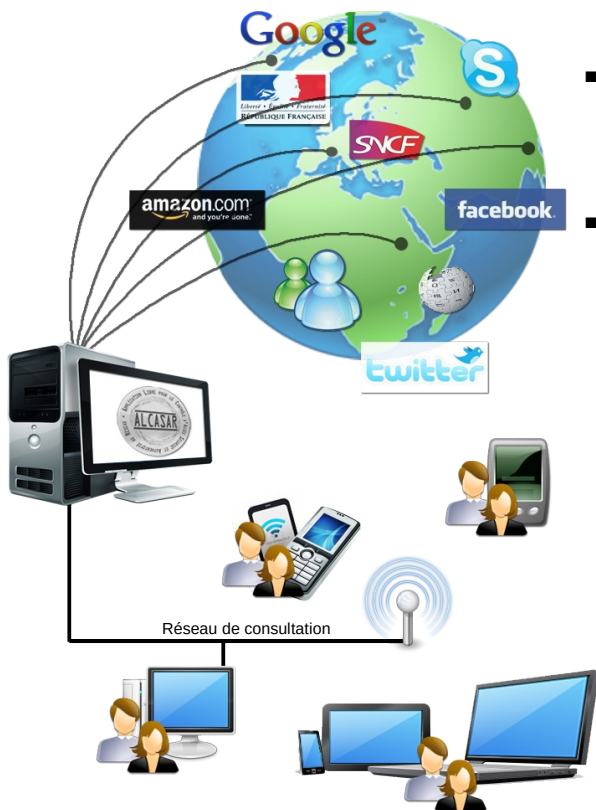


# ALCASAR

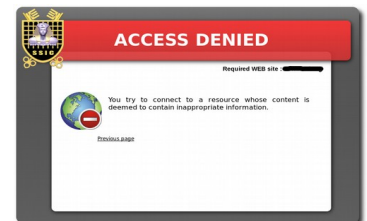
## A secured Network Access Controller (NAC)

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

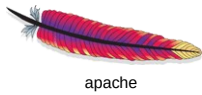


Users authentication page in 6 languages (en, fr, de, es, nl, pt)



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 equipments connected on the consultation network 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.

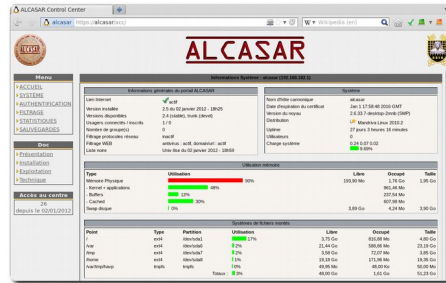


The main page allows users to log-off, to change their password and import the security certificate into their browser. It allows administrators to manage, in a secure way, the portal via the **Alcasar Control Center (ACC)**.



**ALCASAR components**

- A standard PC with two network cards
- Secured Linux operating system
- Dynamic firewall and filtering router
- Intercept gateway (captive portal)
- DHCP and DNS 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 antivirus
- 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
  - Network flows report
  - Security report



**School/parental filtering functions**

To meet the requirements of organizations welcoming young peoples, ALCASAR includes a filtering system by user (blacklist and whitelist) :

- Filtering based on Toulouse University list. On ALCASAR, this filter operates both on name resolution process (DNS) and on WEB browsers requests ;
- Filtering search engines and Youtube results filter;
- 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 consolidated in 19/05/2011 for the trust in numerical economy (resume in this document of the French Security Agency - ANSSI).
- 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).



ALCASAR is a free (GPLV3) and independent project. The developer team is managed by Richard Rey (rexy) and Franck Boujoux (3abtuX). This "ALCASAR team" consists of "senior" developers (Pascal Levant "angel95" and Stéphane Weber "steweb"), "junior" developers, technic hotliners, writers and testers identifiable on the forum. ALCASAR is also an French non-profit association created to federate the project members and to promote the open-source software.



**More information : [www.alcasar.net](http://www.alcasar.net)**



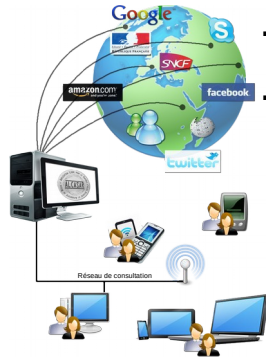


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