

Web-like implementation in a museum's local network

I am going to demonstrate how a web-based implementation can support the inner tasks of a rather small and modest unit (namely the Veszprém County Museum) and also how it can be carried out with the help of open source programs. Most often, web is defined as a large amount of information; however active and interactive processes appear on it, as well.

The net structure of the Veszprém County Museum is as follows: Internet, DMZ and inner (protected) network including intranet.

Parts of intranet:

- 1.(one-way) information: organised in topics – like in newspapers
- 2.applications:
 - 2.1.storage of digital pictures – for museologists
 - 2.2.possibility of stock keeping (KATALIN system)
 - 2.3.error solving system in information technologies – for each user
 - 2.4.system task and knowledge base – for information technologists
 - 2.5.manipulating system of intranet – for information technologists
- 3.further applications – currently missing from the system:
 - 3.1.central address-list
 - 3.2.groupwork manager

Support software:

- Debian Linux – security and manageability
- Apache webserver
- PHP-4 – with gd and MySQL support, imagemagick
- MySQL database manager
- Postgres SQL database manager

Tasks to be carried out on web platform:

- setting time, updating virus scanner, direct file transfer between machines, network-printing: Samba.

Possible and desirable future: currently non-web based services (see above; time, virus scanner, file transfer, printing and others – for example CD-writing) to be operated on a uniform (web) platform with one authentication (e.g. LDAP) for small applications. (As we know, this is the very task that has already been performed by large companies – at professional level and price.)