

Mid-term exam

System administration

Description

0. Preparation

Points: 2

You will create two virtual machines from the base image. One will be named db-server, the second one will be named web-server.

Configure an additional network interface on them. This additional interface should then be configured in bridge mode. This would allow you to access the web sites from your computer.

Call instructor for validation

1. Setting up data base

Points: 5

On db-server you will need to install mariaDB.

You will add the opportunity for the administrator to administer it from phpMyAdmin.

Create a owncloud database. It should be accessible from localhost and web-server.

Create a owncloud user with full rights on owncloud database.

Call instructor for validation

2. Setting up the web server

Points: 4

On web-server, install owncloud. It should rely on the database owncloud you created on db-server.

Call instructor for validation

3. HTTPS

Points: 4

On web-server install nginx and use it to access owncloud.

You will create self-signed SSL certificate and use them to secure NGinx SSL connection. You will also force redirection from http to https.

4. Virtual hosting

Points: 2

nginx on web-server should also allow you to access phpmyAdmin installed on db-server in HTTPS.

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4. Additional FTP

Points: 3

Marc, from the Financial service, is using a Script for FTP synchronisation of documents. He needs FTP read access to his owncloud folder.

Create him a UNIX user. Install proftpd and allow Marc to have read only access to his owncloud folder.

Call instructor for validation