# Homework M7: Management and Maintenance

Main goal is to build further on what was demonstrated during the practice

Prerequisites may vary between different tasks. You should adjust your infrastructure according to the task you chose to implement

## Tasks

Chose and implement one or more of the following:

1. Repeat the **Nagios** related practice (one server and two clients – one with Apache and one with MariaDB) but in addition to monitoring the individual services (**WEB** and **DB**) create a **service group** (**APP-SVC**) to monitor the two services as a group and **host group** (**APP-HST**) to monitor the two clients as a group
2. Create a mixed environment with tree machines (one with your favorite distribution you used in the course, one with **CentOS** and one with **Ubuntu**). The first one should act as an **Ansible** host (with inventory containing the other two machines). You should create and execute a **playbook** that installs and starts **Apache** on the other two machines, opens the firewall for HTTP, and creates a custom **index.html** containing the text **Running on %OS%** where **%OS%** must be either **Red Hat** or **Debian** (or **CentOS** and **Ubuntu**)

\* Please note, that even if you choose to implement more than one task, they are quite independent and different, so you may need to create a separate infrastructure (environment) for each

## Proof

Prepare a document that show what you accomplished and how you did it. It can include (not limited to):

1. The commands you used to achieve the above tasks
2. A few pictures showing intermediary steps or results