

<p>Practical Exercise: Automation tools (Chef, Puppet & Ansible)</p>
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Deadline: none

v1.0

1 Objective

Study how Chef, Puppet and Ansible can automate Operations in the IT Life-cycle.

2 Description

Automation tools play an important task in ensuring Agile software development. There are various automation tools that provide deployment and configuration automation, of which Chef, Puppet and Ansible are examples. In this work you are intended to orchestrate the installation of popular Wordpress content management system. For this purpose you should start with a clean instalation of Linux and use an automation tools to install and configure everything.

It is intended with this work to make a comparison of features between three of the most popular orchestration software: Puppet, Chef and Ansible.

It is required that you install 3 different machines using each of the orchestrators and achieve the same results, that is, the same stack (Linux + Apache + MySQL + PHP + Wordpress).

In the end produce a report comparing the various orchestration software.

3 References

- Chef <http://www.chef.io>
- Puppet <http://puppetlabs.com>
- Ansible <http://www.ansible.com>