Deployment Methods

1. Deploying Moodle with own resources
2. Deploying Moodle with Docker on (AWS)

Deployment of Moodle on cloud (AWS) based on Docker

Requirements:

* Creating an account on Nuv.la
* Creating a cloud provider account
* Setting up the credentials on Nuv.la
* Workstation

Tools:

* Docker
* Docker compose
* Nuv.la (SlipStream)

Use cases:

The goal is deploying Moodle on AWS via Nuv.la.

* **Preconfigured Moodle:** *During the creation of moodle container, moodle container will be configured. All necessary modules and tables are installed. The access data of user is assigned.*
* **Volume:** A volume for moodle data will be created. Each webserver must have access to volume. If even the moodle container is deleted, moodle data should be available.
* **Automated Deployment of webserver**: Nuv.la can create virtual machines automatically
* **Scability:** A third webserver must be started automatically if the two webservers are no longer sufficient
* **Loadbalancing:** A loadbalancer will receive these requests and distribute them to the webservers.
* **Database:** Master/Slave Database

1. Deploying Moodle with own resources

Requirements: