

## Lab 4: Puppet modules – part I – Løsningsforslag

1. Give a brief overview of how you can test Puppet modules (from the simplest to the most advanced testing).

Syntax checking with `puppet parser validate`, code quality with `puppet-lint`, smoke testing with `puppet --noop`, unit tests with `rspec-puppet`. (acceptance testing with `beaker`, testing in dedicated environments with `puppet environments`.)

2. Install the module `puppetlabs-motd`. See the README file for examples of how to use it. Write a Puppet manifest where you create the hash

```
root@manager:/home/ubuntu# puppet module install puppetlabs-motd
Notice: Preparing to install into /etc/puppetlabs/code/environments/production/modules ...
Notice: Downloading from https://forgeapi.puppet.com ...
Notice: Installing -- do not interrupt ...
/etc/puppetlabs/code/environments/production/modules
├─ puppetlabs-motd (v6.1.0)
├─ puppetlabs-registry (v4.0.1)
└─ puppetlabs-stdlib (v8.0.0)
root@manager:/home/ubuntu# cat task1.pp
class { 'motd':
  content => 'motd/motd.epp',
}
root@manager:/home/ubuntu# puppet apply task1.pp
Notice: Compiled catalog for manager.node.consul in environment production in 0.07 seconds
Notice: /Stage[main]/Motd/File[/etc/motd]/ensure: defined content as '{md5}28ba7e0e848f1e16c10d59396e5b9204'
Notice: Applied catalog in 0.07 seconds
root@manager:/home/ubuntu#
```