

Lab 4: Puppet modules – part 2

POSSIBLE SOLUTION:

```
# easiest place to be and who to be for development:
# pwd
# /etc/puppetlabs/code/environments/production/modules
# whoami
# root
# install needed modules
puppet module install puppetlabs-stdlib
puppet module install puppetlabs-vcsrepo
puppet module install puppetlabs-inifile

# Create module skeleton
pdk new module gossinbackup
cd gossinbackup

# Add dependencies to metadata.json
# https://puppet.com/docs/puppet/latest/
# modules_metadata.html#specifying-dependencies
"dependencies": [
  {
    "name": "puppetlabs/stdlib",
    "version_requirement": ">= 4.13.1 < 6.0.0"
  },
  {
    "name": "puppetlabs/vcsrepo",
    "version_requirement": ">= 2.0.0 < 6.0.0"
  },
  {
    "name": "puppetlabs/inifile",
    "version_requirement": ">= 2.0.0 < 6.0.0"
  }
],

# Create classes
pdk new class gossinbackup
pdk new class install
pdk new class config

# Setup Hiera to store default values for all parameters
# https://puppet.com/docs/puppet/latest/
# hiera_migrate.html#module-data-with-yaml-data-files

cat hiera.yaml
---
version: 5
defaults:
  datadir: data
  data_hash: yaml_data
hierarchy:
  - name: "OS family"
    path: "os/{facts.os.family}.yaml"
  - name: "puppetlabs/inifile",
  - name: "common"
    path: "common.yaml"
```

```
mkdir data
```

```
cat data/common.yaml
```

```
---
```

```
gossinbackup::install_directory: '/opt/gossin-backup'  
gossinbackup::exclude: '/opt/gossin-backup/rsyncexcludes'  
gossinbackup::days: 7  
gossinbackup::months: 12  
gossinbackup::years: 3  
gossinbackup::max_file_size: '100M'  
gossinbackup::exec_hours: [ '*' ]  
gossinbackup::exec_minutes: [ 15, 45 ]
```

```
# The entire module can be downloaded from  
https://bitbucket.org/ehjelm/puppet-gossinbackup
```