COURSE CONCLUSION

Course Summary

During this class, we:

- Used `foo`
- Used `bar` as a script interpreter
- Used advanced bar stuff

Questions & Next Steps

Still Learning:

- Foo Wiki: [https://wiki.foo.com)

Extending Foo:

- Learn to use develop Foo plugins: [https://wiki.foo.com/plugins)

About Camptocamp

Open Source specialist, innovative company in the software implementation of:

- Geographic Information Systems (**GIS**)
- Business Management (**ERP**)
- Server Management (**IT Automation and Orchestration**)

Present in three countries:

- Switzerland (Camptocamp SA)
- France (Camptocamp France SAS)
- Germany (Linuxland GmbH)

Infrastructure department:

- Involved in open-source communities (Puppet, Terraform, Rancher)
- **12** Systems Administrators
- Manages **~800** servers
- Partnerships: **Puppet** Partner, **Amazon Web Services** Partner, **RedHat** Partner, **Rancher Labs** Partner

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- Gold Partner Odoo, 3 years Best Contributor award
- Strong presence in OCA (Odoo Community Association) with 3 board members and 5 committers
- ~350 modules listed on apps.odoo.com
- Developer and maintainer of Odoo Connector framework

À propos de Camptocamp

Société spécialiste en Open Source, innovante dans le développement logiciel :

- Systèmes d'Information Geographique (**SIG**)
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- Contributeurs/committer sur les projets OpenLayers, GeoNetwork, MapServer, QGIS, ...
- Éditeur des produits geOrchestra et GeoMapfish
- Développement à la carte de produits métiers basés sur QGIS, GeoMapfish, geOrchestra

Course Agenda

- About Foo
- Using footool
- Foo and bar
- Advanced bar

Course Objective

After completing this course, system admins will be able to use the Foo library via the command line or inside Bar.

Course Overview

You will:

- Use augtool to explore and modify configuration files on your target system
- Use Augeas parse expressions to find, select and modify nodes in the Augeas tree
- Use `puppet apply` with the `augeas` Puppet type to modify configuration files on your target system

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Common courseware repository for Camptocamp trainings

This repository contains the shared material for Camptocamp trainings.

It contains:

- a CSS file to be used with showoff (both for serving and printing)
- a Makefile to generate PDF files from showoff using Weasyprint
- a Makefile to generate covers from ODT templates (this requires unoconv from https://github.com/camptocamp/unoconv until https://github.com/dagwieers/unoconv/pull/193 is merged).

Usage

Adding Ruby, rvm, etc.

This step is only necessary if you want to install showoff on your system. If you plan to use the docker image, you can skip this section.

Warning: don't install rvm with ubuntu package. If so read this page: http://stackoverflow.com/questions/9056008/installed-ruby-1-9-3-with-rvm-but-command-line-doesnt-show-ruby-v/9056395#9056395

```
$ curl -sSL https://get.rvm.io | bash -s stable
$ source "${HOME}/.rvm/scripts/rvm"
$ rvm install ruby-1.9.3
$ rvm use --create --rvmrc 1.9.3@showoff
```

Creating a new courseware

Clone the courseware-common repository as a submodule for your training repository, and name it `common/`. Then make a symlink to the `Makefile`:

```
$ mkdir courseware-foo
$ cd courseware-foo
$ git init
$ git submodule add git@github.com:camptocamp/courseware-common.git common
$ git submodule update --init --recursive
```

```
$ ln -s common/Makefile
$ make init
```

Then:

- Rename `course_template.json` and adjust its content (do not modify the top-level `version` setting!)
- Add a `.gitignore` file (example)

Installing showoff

Running the slideshow and generating the PDF files require showoff presentation software. You can either install showoff on your system or use the `camptocamp/courseware` Docker image.

Using the Docker image is probably the easiest. See the README file for more information.

If you still want to install showoff on your system, use the following:

```
$ rvm use --create --rvmrc 1.9.3@showoff
# If necessary, install showoff (/!\ use thin 1.6.1)
$ gem install thin -v 1.6.1
$ gem install showoff -v 0.9.8.1
$ gem install jgrep -v 1.3.3
# Install tools to generate PDF files
$ sudo apt-get install pdftk texlive-font-utils texlive-extra-utils texlive-latex-recom
```

Note: In order to use a **Docker** image, after adding the submodule as described above, see the README file in docker/dir for more information.

Serving your course

With showoff in your system:

```
# Adapt to fit your course name
$ showoff serve -f course_template.json
```

With a Docker image:

```
# Load your docker instance
$ ./run.sh course_template
```

Note: If you installed `boot2docker` on mac to run `docker`, you may need to do some port forwarding. See boot2docker workarounds.

Note: If you are working on your slide and want a quick restart, use `docker-compose kill showoff && docker-compose start showoff`.

Generating the PDF files

```
# Adapt to fit your course name
$ make all PROJECT=course_template
```

You can clean your build with:

```
$ make clean
```

Use docker

Use the image

The `camptocamp/courseware` image, available on https://hub.docker.com/u/camptocamp/ includes all the packages and tools that are necessary to work on a Camptocamp courseware.

This image's base image is `ubuntu:14.04` (Ubuntu Trusty Tahr). Warning: the image currently works on `x86_64` host machines only.

To use the `camptocamp/courseware` image you first need to install docker on your system: http://docs.docker.io/installation/.

You need to add your user to `docker` group

```
$ adduser yourusername docker
```

Log out and log in again to effectively join the `docker` group.

Then pull the `camptocamp/courseware` image:

```
$ docker pull camptocamp/courseware
```

You only need to do that once.

Run the slideshow

For example, to run the `course_postgis` slideshow, at the root of the `courseware-postgresql` dir:

```
$ run.sh course_postgis
```

The `run.sh` script runs `docker run` with appropriate options. (The `--rm` option is used so this container is removed when it exits.)

Now point your browser to http://localhost:9090.

Build the PDF docs

To build the PDF docs:

```
$ make all PROJECT=course_template
```

PROPOSED SOLUTIONS

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