

Engineering a Magento store

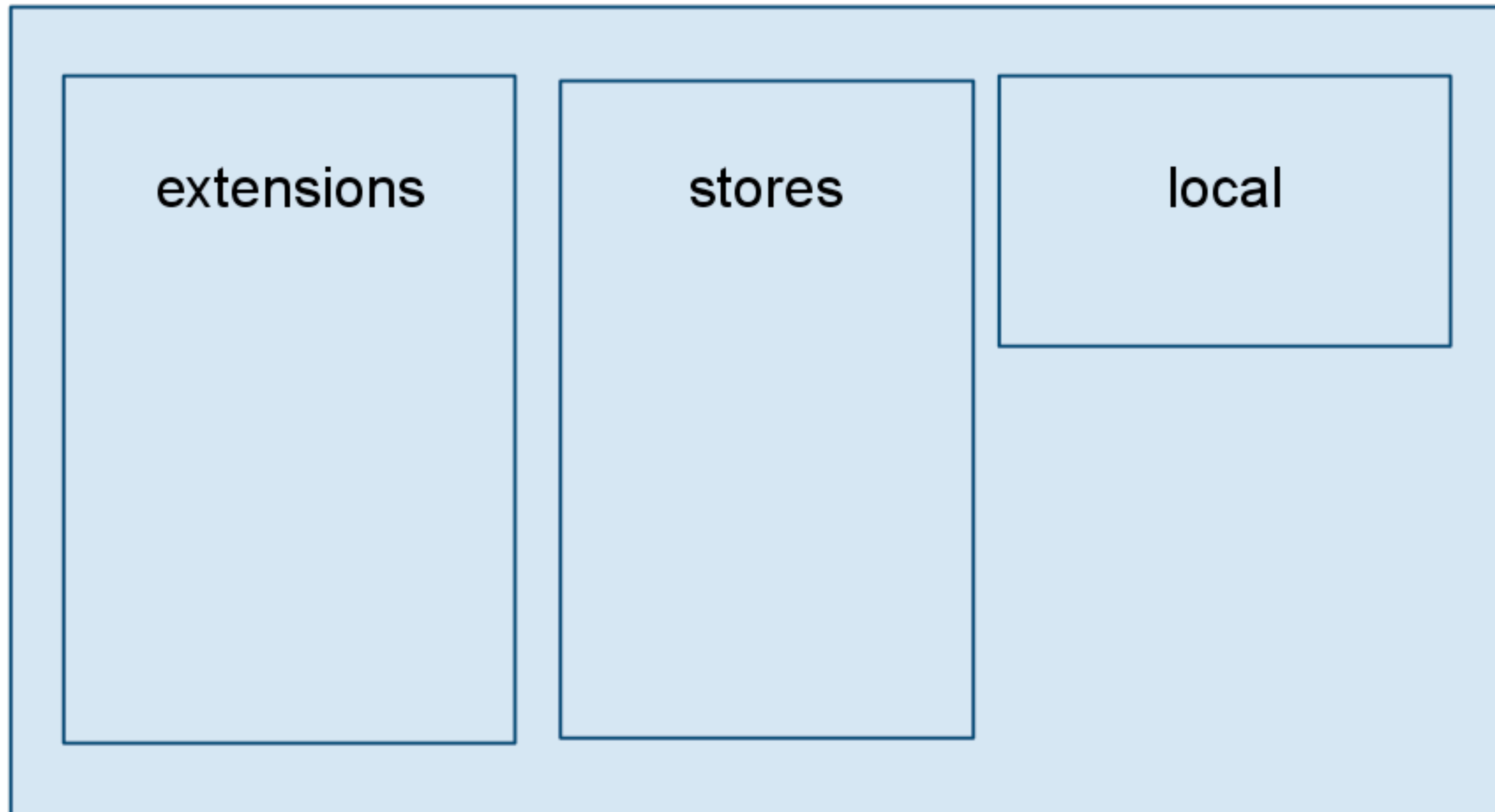
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Our Must-haves

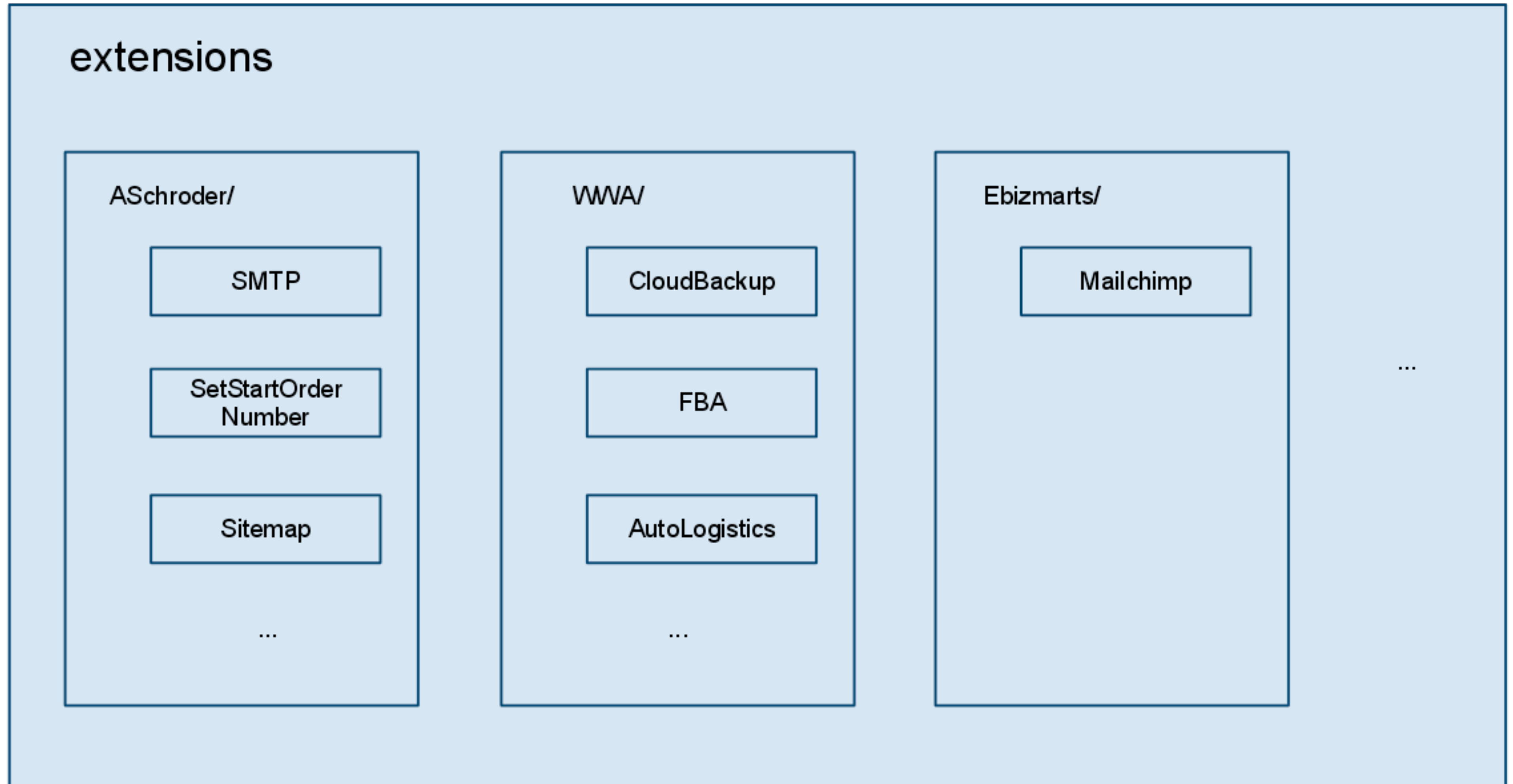
- Version Control (e.g. SVN, GIT etc)
- Easy, repeatable deployment
- Support multiple environments (dev, staging etc)
- Reuse components easily

Repository Setup

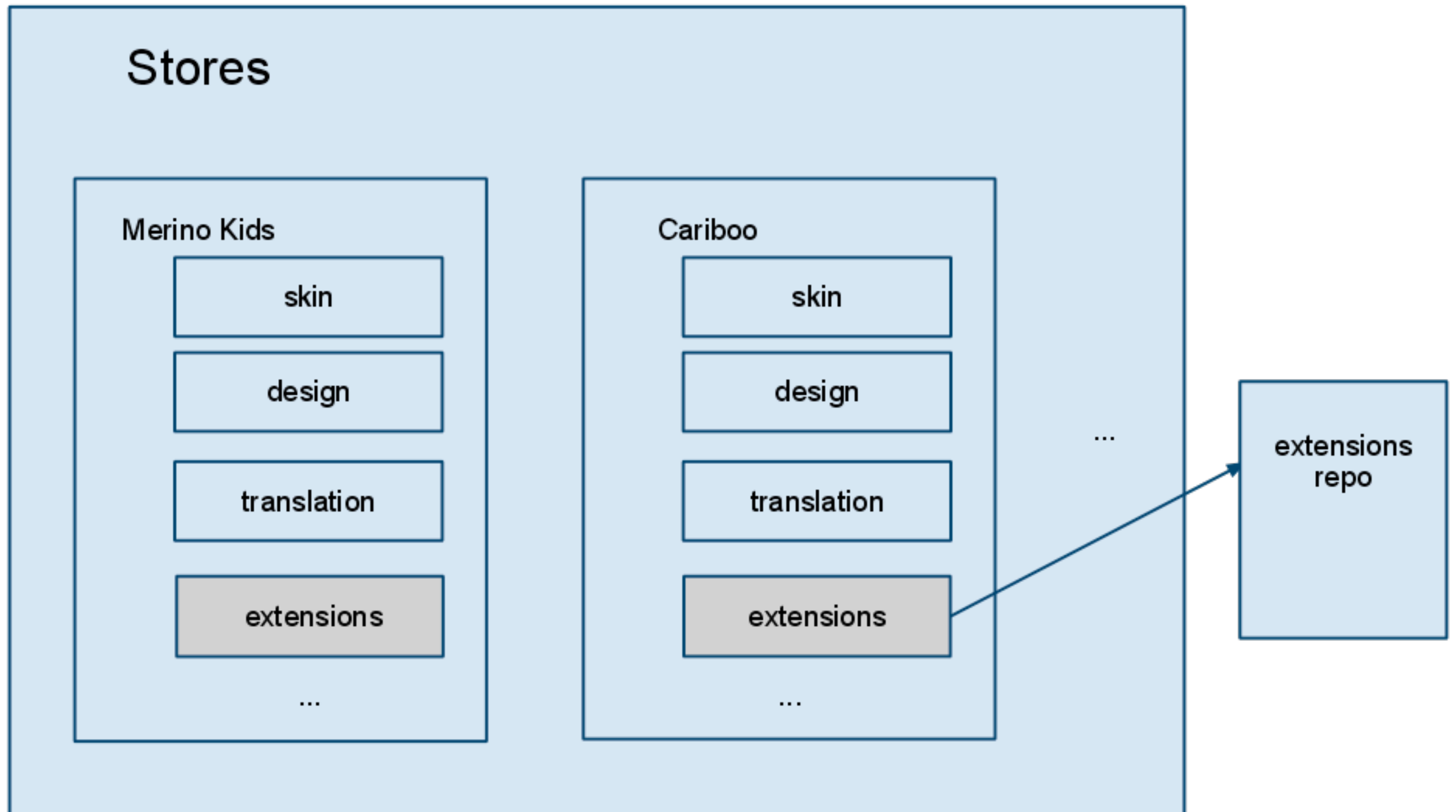
source.mydomain.com



Extension Repository



Actual Stores



Running it in Magento?

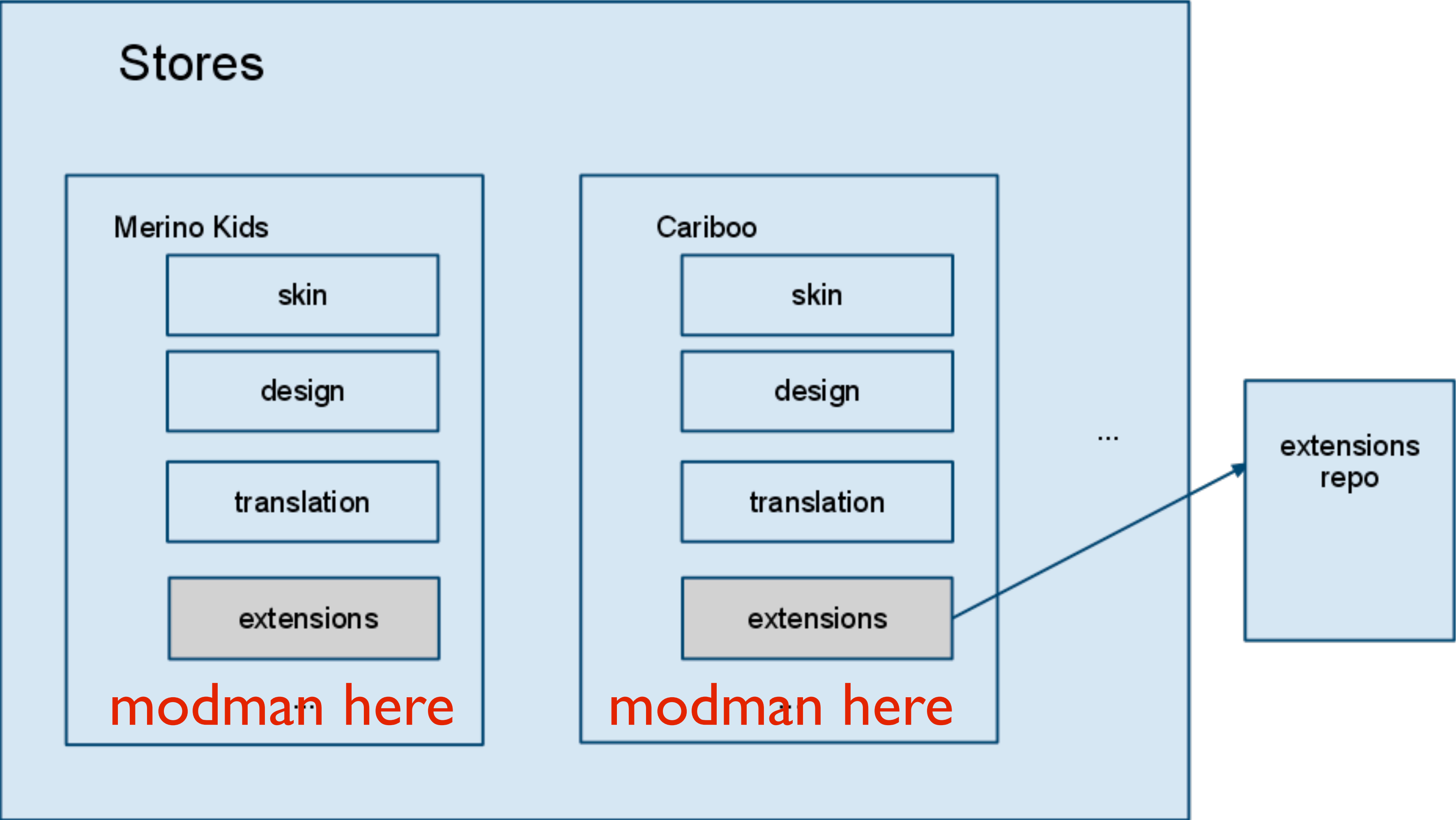
- We have all of our custom code in one place.
- **But** to run it in Magento it needs to be put in 10's of different places within the application
 - skin
 - app/design
 - app/etc/modules
 - etc...

Easy symlinks with Modman

- We create symlinks in the required places pointing to the actual code.
- This get's tedious and error prone if you do it manually
- modman automates it!
 - <http://code.google.com/p/module-manager/>
 - written by Colin Mollenhour

Setting up modman

- Each store project has its own 'modman' file that describes which symlinks get created and where.
- File syntax is simple:
 - from-path to-path
 - can run scripts too (e.g clear cache after deployment)



modman examples

```
# add the email templates
```

```
frontend/email/en_US/template app/locale/en_US/template
```

modman examples

```
# create default theme
frontend/design/default app/design/frontend/merinokids/default
frontend/skin/default skin/frontend/merinokids/default

# add dominion overrides
frontend/design/dominion app/design/frontend/merinokids/merinokids
frontend/skin/dominion skin/frontend/merinokids/merinokids
```

(Yes, you can comment your modman file)

modman examples

#Add links to extensions

extensions/Aschroder/SMTProPro -

app/code/community/Aschroder/SMTProPro

extensions/Aschroder/SMTProPro/modules/Aschroder_SMTProPro.xml -

app/etc/modules/Aschroder_SMTProPro.xml

extensions/Aschroder/GoogleInventoryImporter -

app/code/community/Aschroder/GoogleInventoryImporter

extensions/Aschroder/GoogleInventoryImporter/modules/

Aschroder_GoogleInventoryImporter.xml -

app/etc/modules/Aschroder_GoogleInventoryImporter.xml

extensions/PRWD/Autoshipping -

app/code/community/PRWD/Autoshipping

extensions/PRWD/Autoshipping/modules/PRWD_Autoshipping.xml -

app/etc/modules/PRWD_Autoshipping.xml

(Note: Each mapping should all be on one line, split - for readability)

Deploying Changes

- Make and test your changes locally
- Check in changes to SVN (or your preferred tool!)
- At this point you can use Continuous integration to functional test a staging environment with selenium!
- See also the modman tutorial on Google code.

Updating a store

- Run a 'modman update' in the store being updated
 - Does svn update **AND** maintains symlink changes
 - Can update a single module or...

```
modman update-all
```

(Short-cut to update all modules)

So...

- We have a store project with all the code contained
- We have extensions for custom functionality, self contained and reusable within each store project
- We have a tool for deploying changes easily

Homework

- A few simple steps to try this on an existing project:

Get the tools (SVN or Git) and modman

Create a store repo - start simple with only a theme

Try making your changes locally and deploying

Gotchas

- 1.4.2 version of Magento needs a patch to allow symlinked templates. See bug report:
 - <http://bit.ly/eUvLjV>
- Local Mac development with modman.
 - Watch out for `find -L $root -type l -delete`

Questions/Feedback

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