

Version Control & Development Workflow

S1102986 - JAMES WILLIAMS - ADVANCED CONCEPTS IN WEB PRODUCTION

The Issue

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- Limited version control - only superficial content
- Custom CMS/CRM - MSL
- No access to server for file editing and/or upload
- Site code has to be entered on the web



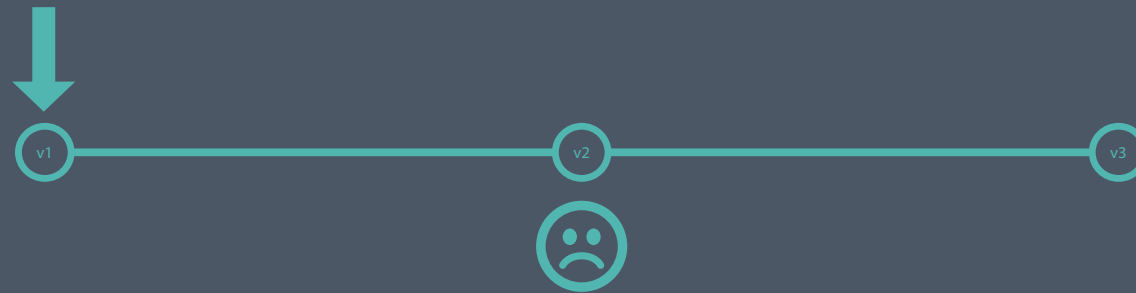
Existing Workflow

=> Edit Local Files
=> Save
=> Preprocess Files
=> Open processed versions
=> copy to browser
=> Save browser
=> Refresh Page

- Generate local development environment using templates.
- Copy / paste local code to browser. Save refresh.
- All done on the live server
- Staging area === Very Expensive

What is Version Control?

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Integrating the git workflow

The Solution

git Hook

commit to master

git hook fires server script
downloads repo and inserts it into
template file

Production updated to
git version

Automatically pulls the content from the repository to the production environment once a merge has been committed to the 'Master' branch.

**Why haven't we done
this already?**

Cost vs. Value

Value of the Website

- Supports ALL core operations
 - Sales
 - Communications
- Cornerstone of communications with students.

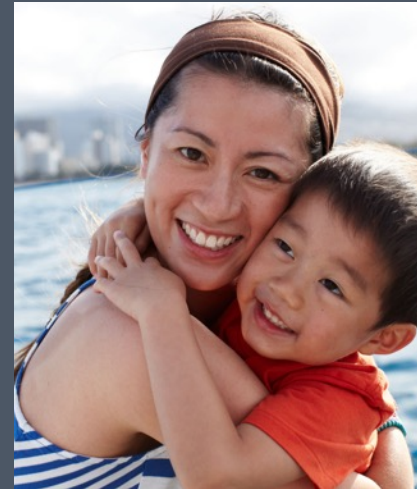
Cost of git

FREE*

.....but

Cultural Change

- Changing workflow of development team.
- encourage documentation and active participation in development cycles.
- Education of future staff on the processes and procedures.
- Documentation



Looking ahead

Open Source the Project

- Opportunity for Students to be actively involved in the design, development and maintenance of an active client site
- Allow anyone to get involved with the project

Get students involved with the design, development and maintain of the website as a key project. Potentially part of an assignment?



```
$ git add "Thanks.md"
```

Referenced Texts

- <http://oss-watch.ac.uk/resources/recruitingstudents>