



Software Development for the XO

Getting started

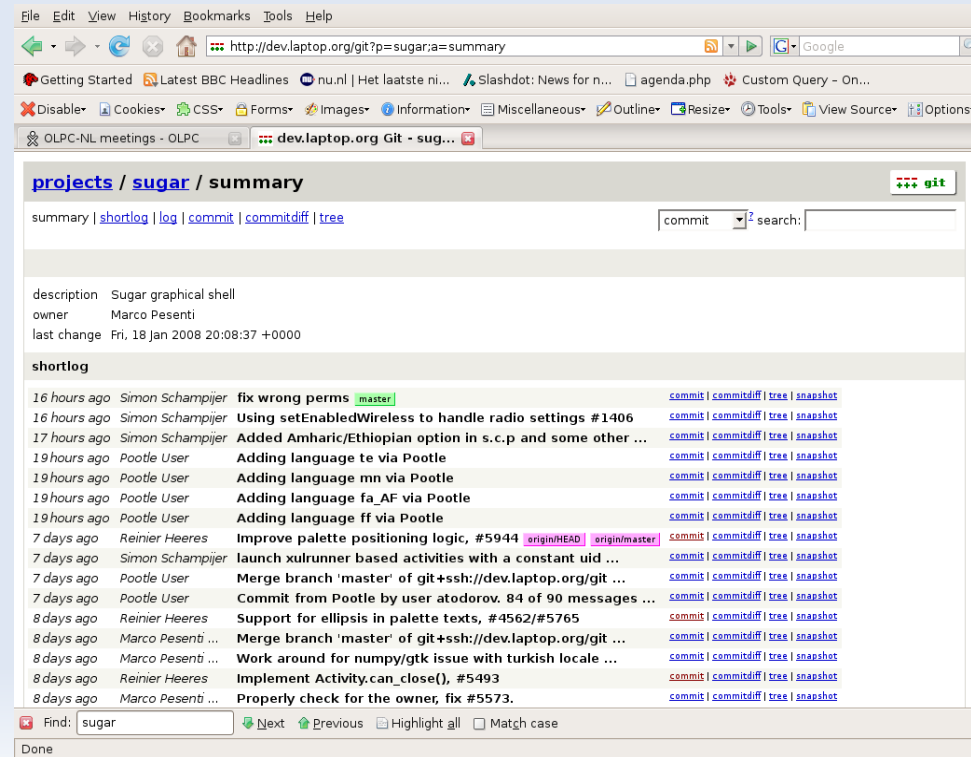
- Software overview
- Where to get info?
- What to work on?
- How to develop?

Software overview

- Fedora Core (7)
- New user interface: Sugar
 - Python
 - 'Activities'
- Lower-level: C/C++
 - (AbiWord, evince, XULrunner / mozilla, etc.)
- New security model: Bitfrost / Rainbow
- Git

Where to get info?

- wiki.laptop.org
- IRC: #olpc / #sugar on irc.freenode.net
- Mailing list (+ archives!)
- Source and bugtracking system: dev.laptop.org



The screenshot shows a web browser displaying the Git repository page for the 'sugar' project on dev.laptop.org. The page title is 'projects / sugar / summary'. Below the title, there are navigation links: 'summary | shortlog | log | commit | commitdiff | tree'. A search bar is visible with the text 'commit' and a search icon. The main content area shows the project description: 'Sugar graphical shell', owner 'Marco Pesenti', and last change 'Fri, 18 Jan 2008 20:08:37 +0000'. Below this is a 'shortlog' section listing recent commits. Each entry includes the time since the commit, the author's name, a brief description of the commit, and links for 'commit', 'commitdiff', 'tree', and 'snapshot'. The most recent commit is from 16 hours ago by Simon Schampijer, titled 'fix wrong perms master'. Other recent commits include 'Using setEnabledWireless to handle radio settings #1406' and 'Added Amharic/Ethiopian option in s.c.p and some other ...'. The browser's address bar shows the URL 'http://dev.laptop.org/git?p=sugar;a=summary'. The browser's menu bar includes 'File', 'Edit', 'View', 'History', 'Bookmarks', 'Tools', and 'Help'. The browser's status bar at the bottom shows 'Done'.

What to work on?

- Translations
- Look in Trac! (<http://dev.laptop.org>)
 - 'Opportunities'
- Own ideas
- Ask developers
 - Improve existing applications

How to develop?

- Qemu
- sugar-jhbuild
 - Linux required, MacOS X might work too
 - VMs and Live CDs available
- Do I need an XO?
 - (Unfortunately the answer is probably 'no')
 - Testing: contact people who have an XO, you might be able to borrow it for a few days!

Questions?

- Ask questions, now and later!