

# Fireman Website Requirements Document

## 1. Introduction

Keeping end users informed is an important task in any software project. In a technical project, this burden is increased as the clientele have greater expectations of the documentation. By maintaining a project website, the goal is to keep users informed, as well as recruiting

### 1.1 Roles

Jan Martin (u5013925), project management.

Michael Ko (u5010095) web development.

Jack Rutherford (u5179458) web development.

Tom Mitchell (u5182201) testing.

### 1.2 Project Significance

<http://www.smashingmagazine.com/2013/01/03/starting-an-open-source-project/>

<http://blog.smartbear.com/open-source/how-to-turn-your-pile-of-code-into-an-open-source-project/>

### 1.3 Stakeholders

Development on both projects is to be open source. Red Hat - our chief stakeholders and 'clients' - have stressed the importance of this, as well as making the project work on many Linux distros. Therefore, while Red Hat and their customers would benefit, our primary beneficiary would be the Linux community as a whole.

- Red Hat
  - The project 'client'. Within Red Hat, we have three key contacts:
    - Project Sponsor: Andrew Spurrier
    - Red Hat Contact: David Jorm
    - Technical Contact: Garth Mollet
- Linux/Open source community
  - Our tools will be developed as an open source project and will work with a number of Linux tools. This group will make up our end user base.
  - There will be a particular focus on enterprise customers, as their firewall rules are more likely to be more complex.
  - Following initial internal ANU project development, the project is to be maintained in an open source fashion. This will involve making the code publically accessible via GitHub.
- Clients of Red Hat
  - As a subset of the group above, people using Red Hat Enterprise Linux, Fedora and other Red Hat users will benefit from this project.
  - The idea for this project came from a request from a member of this group.
- Team members
  - Of course, this project will provide us all with valuable development experience.

- Australian National University
  - This project is part of a student assignment and will be assessed as coursework.

## 2. Operational Requirements

### 1. Fireman project web site

- 1.1. The website should have an attractive design.
- 1.2. *Stretch goal: automate packages with some sort of automated “GitHub repository to binary+source package” tool. Consider developing this as well.*
- 1.3. The web site should be open source itself
  - 1.3.1. As per licensing rules it may utilize other open source utilities or content management systems.
  - 1.3.2. Use a separate GitHub repository “fireman-site”.
- 1.4. Software developers
  - 1.4.1. All documentation should be available through the web site in a commonly used layout.
    - 1.4.1.1. Use asciidoc to generate static documentation.
  - 1.4.2. Technical requirements.
  - 1.4.3. Link to GitHub.
  - 1.4.4. Detailed installation instructions.
- 1.5. End users
  - 1.5.1. Layman overview.
  - 1.5.2. Troubleshooting and frequently asked questions
- 1.6. Software acquirers
  - 1.6.1. Comparisons between Fireman and similar products (iptables, netfilter).
  - 1.6.2. System requirements.
- 1.7. Press
  - 1.7.1. Descriptive media
    - 1.7.1.1. Videos
    - 1.7.1.2. Imagery

## 3. System Requirements

### 3.1 Functional Requirements

#### 1. Fireman project web site

- 1.1. The website should be “responsive”, be viewable on most devices.
  - 1.1.1. Mobile, Tablet, PC
- 1.2. The website should fulfil WCAG AA requirements.
- 1.3. The website should provide access to binaries and source code packages.
  - 1.3.1. Build a set of test scripts which ensure that these packages are
  - 1.3.2. Create a setup.py file for the Fireman project which is used by distributable packages when installing the system.
  - 1.3.3. At a minimum, a tarball of source code and an RPM package for Fedora.
  - 1.3.4. Investigate build system called “koji.fedora”.

- 1.3.5. Generate a spec file.
- 1.3.6. Create RPM build.
- 1.3.7. Non-platform specific:
  - 1.3.7.1. Debian, Fedora, etc
- 1.3.8. Stretch goal: these packages should be generated automatically from the GitHub repository, based on branches or tags.
  - 1.3.8.1. Investigate a hosted service that does this for you.