Community Welcome Guide

Contents

1 Getting Started With the OpenNMS Community

Welcome to the OpenNMS community, the place for the worlds first enterprise network management platform developed under the open source model. This document is meant for anyone interested in learning about OpenNMS. It is intended for new community members and give the information you are looking for to get started. In this document you will also find the way how the development process works and the basic "rules" of our community.

2 What is OpenNMS

OpenNMS is a Java based network management platform. The goal of this software is to establish a free and open source platform enabling FCAPS[1].

3 OpenNMS Community

The *OpenNMS* community is a global community consisting of developers, corporations, service providers, researchers and users.

Role of *The OpenNMS Group*

One of the biggest part of code and project contribution is made by *The OpenNMS Group, Inc.* The *OpenNMS Group* build a business and builds a bridge to get the software *OpenNMS* as 100% free software into commercial companies and help with development and support. The *OpenNMS Group* becomes the main driver for the free software OpenNMS. They run and provide the infrastructure for:

- Continous integration to build, test, compile and deploy OpenNMS.

- Packaging and providing infrastructure distributing pre-compiled packages for different operating systems and *Linux/Unix* distributions

- Public issue tracking for bugs, enhancements and feature requests

- Providing and running public mailing lists

- Maintaining the software branches and source code repository

- Software release management

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[1]Fault-, Configuration-, Accounting, Performance- and Security-Management

Order of the Green Polo

The secret brotherhood of OpenNMS.

OpenNMS Foundation Europe

To cover non-commercial interests the *OpenNMS Foundation Europe e.V.* (OFE) was founded in July 31st. in Fulda, Germany. It is a registered non-profit organization in Germany. The objective of the organization is to promote the use and development of free open source software, especially *OpenNMS* the research and education around free open source software and network (management) technologies. To do this, the *OFE* organizes conferences and trainings and acts as an advocate for free open source software. The *OFE* initiates software development and studies which are made available to the public under the GPL^2 or a suitable successor.

Your Contribution to OpenNMS

If you are a developer who would like to contribute to OpenNMS, you have to sign the *OpenNMS Contributor Agreement*. You can find the agreement at the following link `http://www.opennms.org/wiki/Contributor_Agreement`. The source code is hosted on *github*. Code contributions can be merged into *OpenNMS* with *pull requests*. The workflow to get your source code into *OpenNMS* is shown in picture 3.1 on page 5.

Get your IDE up and running

The *OpenNMS* project is written in *Java*. To maintain and handle external libraries it uses *Maven*. It contains even more advanced technologies like *OSGi* for class loading and *Vaadin* as user interface framework. As version control system the project uses *git*. To get an introduction working with *git* and get your development environment up and running you can find documentation on the following wiki pages:

- `http://www.opennms.org/wiki/Developing_with_Git`

- `http://www.opennms.org/wiki/Eclipse_and_OpenNMS`

Issue tracking, code browser and build system

To document bugs, enhancements and feature request, the *OpenNMS Group, Inc.* provide and maintains a public *Atlassian JIRA* installation. It is recommended you create your JIRA account, which allows you to document bugs, enhancements or feature requests. The application for issue and feature tracking is available on `http://issues.opennms.org`.

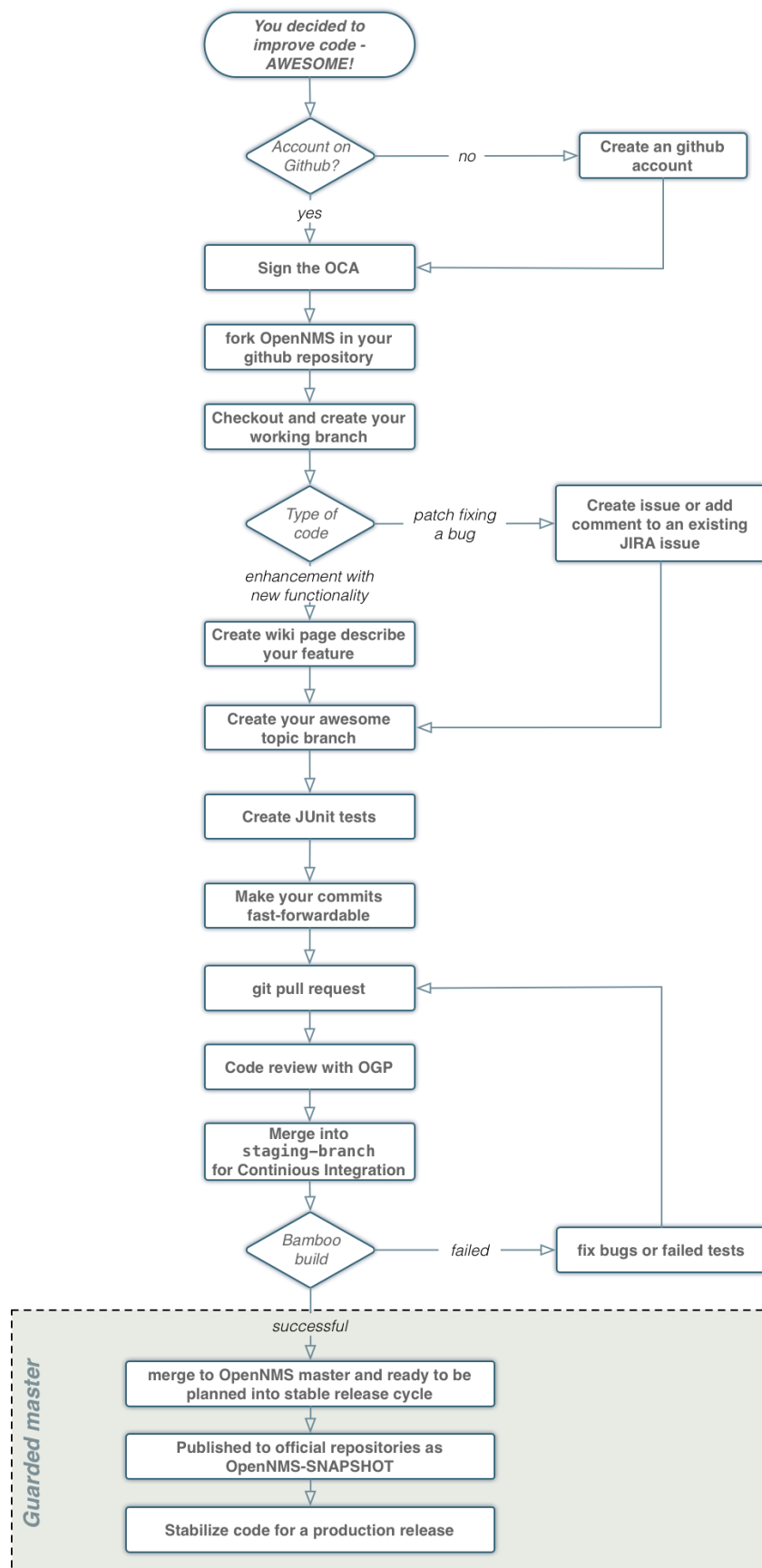[2]GNU General Public License: `http://www.gnu.org/licenses/gpl.html`

Figure 3.1: Workflow for code contribution

The *OpenNMS* software development follows a test driven approach. To provide a stable and continous quality of the code base, the *OpenNMS Group* provides and run *Atlassian Bamboo* as a build system. It compiles, tests and deploys the *OpenNMS* software from the public *git* repositories. The build system is public available on `http://bamboo.internal.opennms.com:8085`.

The OpenNMS Group provides public access to *Atlassian Fisheye* which gives the possibility to browse code from a browser and search for commit messages. The code browser is available on `http://fisheye.opennms.org`.

4 Community Support Tools

5 Mailing Lists

6 Documentation

7 Social Networks and Blogs

8 Events

Most of the time, the project is developed over the internet. People come from different countries and continents. To get people in touch and give them a place to create, share and discuss topics.

8.1 Developers unconference - DevJam

Organized by the *The OpenNMS Group – DevJam* is the annual developers conference held at the *University of Minnesota*. Everybody who wants to create and shape the project is invited to join. The conference topics are self organized and reach from community work until feature development, prototyping or bug hunting. Documentation about projects will be public documented on `http://www.opennms.org/Wiki/Dev-Jam`.

8.2 OUCA and OUCE

The *OFE* organizes the *OpenNMS User Conference Europe/Americas*. This conference gives *OpenNMS* users the platform to learn, share and discuss how they use *OpenNMS* in real world scenarios. The conference contains speeches, workshops and trainings.

9 OpenNMS Websites

9.1 OpenNMS.com

9.2 OpenNMS.org

10 OpenNMS Wiki Layout