Introduction Obtaining the Sources Making Changes Review The End

Submitting Patches

Contributing to the IPFire project made easy

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IPFire Project

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We are an Open Source project

We are an Open Source project ... and use an open development approach

Everyone is welcome to contribute

No skills required

This might look complicated - it is mostly common sense

Why does all this matter?

Why does all this matter?
Our brains are good with patterns

We are using git

Everything we do is in a git repository somewhere on http://git.ipfire.org

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Setting up Git

Introduce yourself

We want to know who you are Real name required

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git config --global user.name 'Michael Tremer' git config --global user.email michael.tremer@ipfire.org

Git needs to send email...

```
git config --global sendemail.smtpencryption tls
git config --global sendemail.smtpserver mail01.ipfire.org
git config --global sendemail.smtpserverport 587
git config --global sendemail.smtpuser ms
```

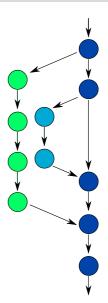
(You can use what ever mail server you want...)

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Creating a Development Branch

We use development branches for each feature

git checkout -b my-feature -t origin/master



Time to hack...

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But there are some rules...

Check with us before starting working on bigger things

Separate your changes e.g. bug fixes vs. performance enhancements

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Test!

Committing Changes

Committing a patch means adding it to the project's history

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It will be in there for forever

Writing a good commit message

Describe your changes

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What motivated you to develop this patch?

What is the impact of the patch?

Are there user-visible changes?

Writing a good commit message

Describe <u>how</u> you solved the problem

Writing a good commit message

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Include technical details

(If this step is getting difficult your patch is probably too complex)

Writing a good commit message

Add useful information

Writing a good commit message

Add useful information

Bug IDs

Mailing list discussions (including a quick summary)

Git tags - Who did what?

Sign your work

Signed-off-by: Michael Tremer <michael.tremer@ipfire.org>

Git tags - Who did what?

Credit your collaborators

Reported-by: | Tested-by: | Reviewed-by: | Suggested-by:

Why all this?

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Commit messages will be read by the reviewers of your patch... (help them to make reviewing your changes easier)

...and after many years

Every patch must be reviewed

Respond to any comments - don't get discouraged - or impatient

The maintainer of a subsystem

and at least one mailing list

We use email only

Pull requests only for bigger changes & maintainers No GitHub pull requests

- Must include a From: header (with the real name and email address)
- Subject line starting with [PATCH]
- The commit message
- Signed-off-by: line
- The actual changes in the unified diff format

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git send-email automates all that

http://patchwork.ipfire.org/

Track what is going on...

http://patchwork.ipfire.org/

Help us reviewing patches



PC Engines



Lightning Wire Labs

We bring future technology into your network



Read everything on

http://wiki.ipfire.org/devel/submit-patches