

## GSOD `19 PROJECT PROPOSAL

Open source organization name: The FreeBSD Project

Add EXAMPLE sections to man pages



## BASIC INFORMATION

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### Name and contact information

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### University and Current Enrollment:

- **University:** Indian Institute Of Information Technology, Nagpur
- **Field of Study:** Computer Science and Engineering (Batch of 2020)

## ABOUT ME

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**I love being simple.**

I am a fourth year undergraduate student studying Computer Science and Engineering at Indian Institute Of Information Technology, Nagpur. I came to know about open source software development because of my professors who used open source tools to demonstrate experiments. Since then, I have been contributing to open source communities. This has led me to become part of those organizations. In my free time I read a lot of online material including Hackernews, Reddit and Quora. In fact I have more than 800k+ reads on Quora for my writing. One of my technical answer has gathered more than 40,000+

upvotes. That makes it one of the most upvoted answers of all time on Quora. You may view it here. <https://qr.ae/TWtnob>

I have been an active part of the OWASP- SecureTea community. I have helped them in creating documentation. I have also released some technical YouTube- How To videos for SecureTea users. You may have a look at them by visiting this official OWASP weblink [https://www.owasp.org/index.php/OWASP\\_SecureTea\\_Project](https://www.owasp.org/index.php/OWASP_SecureTea_Project)

## **PRE GSOD INVOLVEMENTS**

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I have been in contact with Benedict Reuschling <bcr@freebsd.org> via email .He has been a great mentor of mine and has helped me in clearing my doubts. His guidance helped me in predicting the feasibility of my work. As per his suggestion, I made a list of MAN pages that are relevant and are strictly according to FREEBSD standards. I also tried making few MAN pages as per suggestion of Benedict ot get used to the page generation process.

## PROJECT DETAILS

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### **Introduction:**

FreeBSD is an operating system used to power modern servers, desktops, and embedded platforms. A large community has continually developed it for more than thirty years. Its advanced networking, security, and storage features have made FreeBSD the platform of choice for many of the busiest web sites and most pervasive embedded networking and storage devices.

The FreeBSD man pages include in many places an EXAMPLE sections, describing basic usage of the utility or command described therein. The FreeBSD wiki has a list of man pages without examples. Add as many examples to these man pages as possible in cases where it makes sense to have them. Come up with a general way of introducing the command/utility in these sections (i.e. quick start first, more advanced examples afterwards) and apply that to man pages describing similar utilities/commands. That way, the examples have a consistent approach and the reader can find things easier.

### **Features:**

My task would be to add examples to MAN pages. As per discussion, It may take up to 2-3 days per MAN page. I will not prioritise external stuff such as Heimdal i.e. the part that is external for the FreeBSD project. My main focus would be on MAN pages that were originally created for FreeBSD. I do realise that the manpages need to be reviewed for both technical and writing accuracy after they've been created. There will be some back and forth with corrections and suggestions for improvement, so the overall number of man pages written may be lower before the deadline.

[This](#) is a list of man pages without EXAMPLES sections in the FreeBSD src/head tree in this case, compiled on 30th September 2012.

(The Ruby script used for this can be found at [http://people.freebsd.org/~issyl0/freebsd\\_man\\_examples.rb.txt](http://people.freebsd.org/~issyl0/freebsd_man_examples.rb.txt), but it formats its output into a nice wiki table that has been put here for ease of editing. There are undoubtedly some man pages that aren't really man pages on this list. Written by [IsabellLong](#) (issyl0@), 2012. Inspired by a Google Code-In task that never made it onto the actual task list.)

### **Mentors:**

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Benedict Reuschling <bcr@freebsd.org>

### **MEASURABLE OUTCOMES**

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- Create MAN page examples
- Testing them
- Posting the outcomes for evaluation and feedback
- Modifying the examples if required
- How useful is the page to the FreeBSD project

### **ACHIEVING PROJECT GOALS**

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The entire task is a continuous process of creating pages. I need to take examples from already available documentation as reference. I may take inspiration from other Linux based distros. The content I generate will be working and will be posted on [review.freebsd.org](http://review.freebsd.org) for

commit. The reviewers bcr and ygy will be reviewing my content as per discussion during GSoD period. After review and technical accuracies are verified, the pages will be merged.

## TIMELINES

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Technical writing projects announced **July 30, 2019 at 18:00 UTC**

Google announces the accepted technical writer projects Community bonding **August 1 - September 1, 2019**

Technical writers get to know mentors, get up to speed with the open source organization, and refine their projects in collaboration with mentors Doc development **September 2, 2019**

Doc development officially begins!

**September 2, 2019 - November 22, 2019**

Technical writers work on their project with guidance from mentors

Time	Work
August 1 - September 1, 2019	<ul style="list-style-type: none"><li>• Community Bonding Period</li><li>• Get used to FreeBSD development routines</li><li>• Setup development environment</li><li>• Start contributing to FreeBSD.</li></ul>
September 2- September 30, 2019	<ul style="list-style-type: none"><li>• Complete 15+ MAN pages examples</li></ul>

October 1 - October 31, 2019	<ul style="list-style-type: none"> <li>• Complete 20+ MAN pages examples</li> </ul>
November 1 - November 22, 2019	<ul style="list-style-type: none"> <li>• Complete 30+ MAN pages examples</li> </ul>

Availability:

I am available for the GSoD period.

### **After GSoD**

I will love to contribute to the project in various forms. It may happen that I come across some bugs while doing my GSoD tasks. Being a coder as well, I will definitely fix them and get them patched. This will help me grow as an open source contributor and will help my professional career too.

### **REFERENCES**

- Thorough discussion with Benedict.
- <https://wiki.freebsd.org/ManPagesWithoutExamples>
- [https://www.freebsd.org/doc/en\\_US.ISO8859-1/books/fdp-primer/manpages.html](https://www.freebsd.org/doc/en_US.ISO8859-1/books/fdp-primer/manpages.html)
- <https://wiki.freebsd.org/GoogleSeasonOfDocs>