

# Slash Rubrics mapping to Linux Kernel Practices

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## ABSTRACT

Slash is a command line tool that scrapes the most popular e-commerce websites to get the best deals on the searched items across these websites. E-commerce market has prompted cutthroat competition amongst dealers, which is discernible through the price patterns for products of major market players. Price cuts are somewhat of a norm now and getting the best deal for your money can sometimes be a hassle (even while online shopping). This is what Slash aims to reduce by giving you an easy to use, all in one place solution for finding the best deals for your products that major market dealers have to offer!

## 1 SHORT RELEASE CYCLES

Shorter release cycles effectively ensure less frustration for the user and the developer alike. It reduces the chances of merging and pushing inefficient and unstable code as shorter cycles ensure regular testing and up-date knowledge of the system architecture. This method also helps to bring fast and positive changes which result in the end user being satisfied. For these reasons, we integrate new code in short cycles.

The following rubrics can be mapped to this practice

Rubric	Evidence
Number of commits	<a href="https://github.com/vishnuchalla/slash/pulse">https://github.com/vishnuchalla/slash/pulse</a>
Number of commits: by different people	<a href="https://github.com/vishnuchalla/slash/pulse">https://github.com/vishnuchalla/slash/pulse</a>
Issues reports: there are many	<a href="https://github.com/vishnuchalla/slash/issues">https://github.com/vishnuchalla/slash/issues</a>
Issues are being closed	<a href="https://github.com/vishnuchalla/slash/issues">https://github.com/vishnuchalla/slash/issues</a>
Tests that can be run after your software has been built or deployed to show whether the build or deployment has been successful	<a href="https://github.com/vishnuchalla/slash/actions">https://github.com/vishnuchalla/slash/actions</a>
Automated test suite for your software	<a href="https://github.com/vishnuchalla/slash/tree/main/tests">https://github.com/vishnuchalla/slash/tree/main/tests</a>
Framework to periodically (e.g. nightly) run your tests on the latest version of the source code	<a href="https://github.com/vishnuchalla/slash/actions">https://github.com/vishnuchalla/slash/actions</a>
Using continuous integration, automatically running tests whenever changes are made to your source code	<a href="https://github.com/vishnuchalla/slash/actions/workflows/workflow.yml">https://github.com/vishnuchalla/slash/actions/workflows/workflow.yml</a>
Test cases are routinely executed	<a href="https://github.com/vishnuchalla/slash/actions/workflows/python-app.yml">https://github.com/vishnuchalla/slash/actions/workflows/python-app.yml</a>

## 2 DISTRIBUTED DEVELOPMENT MODEL

A distributed Development model is the best way to develop any software. Sharing different functionalities of the software to different individuals, based on their familiarity with the area ensures seamless code review and integration with very minimal chances of blow-up. For this reason, Distributed Development Model has been followed.

The following rubrics can be mapped to this practice

Rubric	Evidence
workload is spread over the whole team	<a href="https://github.com/vishnuchalla/slash/graphs/contributors">https://github.com/vishnuchalla/slash/graphs/contributors</a>
evidence that the whole team is using the same tools	<a href="https://github.com/vishnuchalla/slash/search?l=python">https://github.com/vishnuchalla/slash/search?l=python</a>
E-mails to our support e-mail address are received by more than one person	we all have the access credentials to the support email
Listing the important partners and collaborators on our website	<a href="https://github.com/vishnuchalla/slash/actions/workflows/workflow.yml">https://github.com/vishnuchalla/slash/actions/workflows/workflow.yml</a>
Do you have a contributions policy	<a href="https://github.com/vishnuchalla/slash/blob/main/CONTRIBUTING.md">https://github.com/vishnuchalla/slash/blob/main/CONTRIBUTING.md</a>
Is your contributions' policy publicly available?	<a href="https://github.com/vishnuchalla/slash/blob/main/CONTRIBUTING.md">https://github.com/vishnuchalla/slash/blob/main/CONTRIBUTING.md</a>
Evidence that the members of the team are working across multiple places in the code base	<a href="https://github.com/vishnuchalla/slash/graphs/contributors">https://github.com/vishnuchalla/slash/graphs/contributors</a>

## 3 CONSENSUS-ORIENTED MODEL

Integration to the code base need to be agreed upon by all and especially by people who have implemented some functionality and the new code block directly works with that. This ensures not tampering with the stable versions of code.

The following rubrics can be mapped to this practice

Rubric	Evidence
Chat channel: exists	<a href="https://discord.com/channels/1013259175645679685/1013259175645679688">https://discord.com/channels/1013259175645679685/1013259175645679688</a>
issues are discussed before they are closed	every issue is discussed by all, then assigned to one appropriate person for closure
Project has an e-mail address or forum that is solely for supporting users	vishnuchalla47@gmail.com

#### 4 THE NO-REGRESSIONS RULE

The No-regression rule is an important design decision as once the interface with the model gets pushed and is in public use, we should not alter that syntax. This ensures harmony in terms of user calls and less frustrations. We have ensured that we don't take away existing functionality but add to it.

The following rubrics can be mapped to this practice

Rubric	Evidence
Use of version control tools	Git is used thoroughly through the project
Evidence that the members of the team are working across multiple places in the code base	<a href="https://github.com/vishnuchalla/slash/graphs/contributors">https://github.com/vishnuchalla/slash/graphs/contributors</a>
There is a branch of the repository that is always stable	the main branch is always stable

#### 5 ZERO INTERNAL BOUNDARIES

We understand that access to the entire view of the project is important. Even though individuals are working on different functionalities, it does not stop them from making changes in other parts of

the code. This results in problems being solved at the source rather than having multiple paths to go through before making actual changes.

The following rubrics can be mapped to this practice

Rubric	Evidence
whole team is using the same tools	We can clearly see that entire codebase has been written in Python( <a href="https://github.com/vishnuchalla/slash/search?l=python">https://github.com/vishnuchalla/slash/ search?l=python</a> ). Everyone has the same access to the repository and also have equal access to committing directly to the main branch.
issues are discussed before they are closed	There is a discussion channel on our discord server
Source code publicly available to download, either as a downloadable bundle or via access to a source code repository	git clone <a href="https://github.com/vishnuchalla/slash.git">https://github.com/vishnuchalla/slash.git</a> or Download as a zip file from here <a href="https://github.com/vishnuchalla/slash/archive/refs/heads/main.zip">https://github.com/vishnuchalla/slash/archive/refs/heads/main.zip</a>
E-mails to our support e-mail address are received by more than one person	we all have the access credentials to the support email
Project have a ticketing system to manage bug reports and feature requests	We constantly create issues and have an ticketing system on github projects where we assign each member an issue based on priority. ( <a href="https://github.com/vishnuchalla/slash/projects/1">https://github.com/vishnuchalla/slash/projects/1</a> )