Slash Rubrics mapping to Linux Kernel Practices

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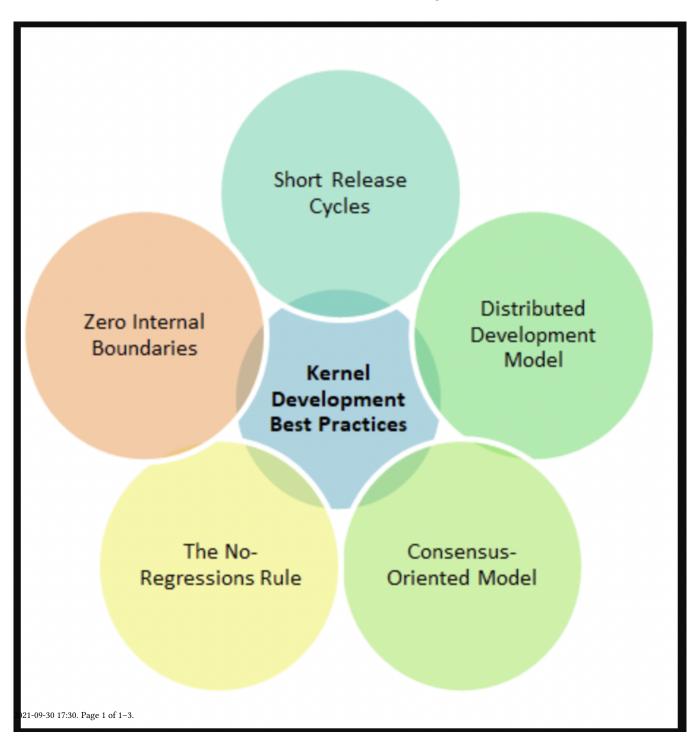


Figure 1: Linux Kernel Practices

ACM Reference Format:

1 SHORT RELEASE CYCLES

Shorter release cycles effectively ensures 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

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Rubric	Evidence
Number of commits	https://github.com/secheaper/
	slash/pulse
Number of commits: by different	https://github.com/secheaper/
people	slash/pulse
Issues reports: there are many	https://github.com/secheaper/
	slash/issues
Issues are being closed	https://github.com/secheaper/
	slash/issues
Tests that can be run after your	https://github.com/secheaper/
software has been built or de-	slash/actions
ployed to show whether the build	A .
or deployment has been success-	
ful	
Automated test suite for your	https://github.com/secheaper/
software	slash/tree/main/tests
Framework to periodically (e.g.	https://github.com/secheaper/
nightly) run your tests on the lat-	slash/actions
est version of the source code	70), CO,
Using continuous integration, au-	https://github.com/secheaper/
tomatically running tests when-	slash/actions/workflows/
ever changes are made to your	workflow.yml
source code	K 10
Test cases are routinely executed	https://github.com/secheaper/
() (slash/actions/workflows/
	python-app.yml

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

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Rubric	Evidence
workload is spread over the	https://github.com/secheaper/
whole team	slash/graphs/contributors
evidence that the whole team is	https://github.com/secheaper/
using the same tools	slash/search?l=python
E-mails to our support e-mail ad-	we all have the access credentials
dress are received by more than	to the support email
one person	
Listing the important partners	https://github.com/secheaper/
and collaborators on our website	slash/actions/workflows/
	workflow.yml
Do we accept contributions from	https://github.com/secheaper/
people who are not part of your	slash/pull/15
project?	
Do you have a contributions pol-	https://github.com/
icy	secheaper/slash/blob/main/
	CONTRIBUTING.md
Is your contributions' policy pub-	https://github.com/
licly available?	secheaper/slash/blob/main/
	CONTRIBUTING.md
Evidence that the members of the	https://github.com/secheaper/
team are working across multiple	slash/graphs/contributors
places in the code base	

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

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Rubric	Evidence
Chat channel: exists	https://discord.com/channels/
	879343473940107264/
	879343474393096237
issues are discussed before they	every issue is discussed by all,
are closed	then assigned to one appropriate
	person for closure
Project has an e-mail address or	secheaper@gmail.com
forum that is solely for support-	
ing users	

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.

Rubric	Evidence	
Use of version control tools	Git is used thoroughly through	
	the project	
Evidence that the members of the	https://github.com/secheaper/	
team are working across multiple	slash/graphs/contributors	
places in the code base		
There is a branch of the reposi-	the main branch is always stable	
tory that is always stable hat copies	are not made or distributed for profit or	

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

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Rubric	Evidence	
whole team is using the same	We can clearly see that en-	
tools	tire codebase has been	
	written in Python(https:	
	//github.com/secheaper/slash/	
	search?l=python). 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	There is a discussion channel on	
are closed	our discord server	
Source code publicly available to	git clone https://github.com/	
download, either as a download-	secheaper/slash.git or Download	
able bundle or via access to a	as a zip file from here https:	
source code repository	//github.com/secheaper/slash/	
	archive/refs/heads/main.zip	
E-mails to our support e-mail ad-	we all have the access credentials	Ó
dress are received by more than	to the support email	
one person	to the support chair	7/7
Project have a ticketing system to	We constantly create issues and	
manage bug reports and feature	have an ticketing system on	
requests	github projects where we as-	
requests	sign each member an issue based	(O') A
	on priority. (https://github.com/	
	secheaper/slash/projects/1)	
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	112	
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	'(), XO	