Questionnaire on Software vulnerability commit message requirements

Dear Software Security Engineer,

I. Personal Information

Hello! Thank you very much for participating in this questionnaire survey. This questionnaire aims to understand the needs and expectations of software security engineers for software vulnerability commit messages, so as to help us improve and optimize the writing of software vulnerability commit messages. Your answers will be very helpful to us. This questionnaire will take about 5-10 minutes to complete. Please fill it out according to your actual situation and real thoughts. Thank you again for your support and cooperation!

1、 〇 〇 〇	Large companies (500-1,000 employees)
2 · O O O O	1 - 3 year 3 - 5 year 5 - 10 year
3 · O O O	Vulnerability repair and development Safety testing and evaluation Security architecture design
4、	Usage of commit Messages for Software Vulnerabilities Do you often read and write commit messages related to software vulnerabilities in your daily rk? [Single-choice question] Yes No
	What do you think of the current software vulnerability commit message in terms of content egrity? [Single-choice question] It's very complete and can meet my needs It's basically complete, but sometimes some information is missing

0	It is not complete enough and often requires further reference to other materials
0	It's completely incomplete and cannot meet my needs
6、	What do you pay the most attention to when reading the software vulnerability commit
	ssage? [Multiple Choice Question]
0	Summary
0	Testing)
Ō	Security Recommendations
Ö	References
Ö	Vulnerability Severity
Ö	
0	Exploitability
	Patch Compatibility
0	Impact
0	Documentation Updates
0	Patch Side Effects
0	Fix
0	Deployment Instructions
0	Acknowledgments
0	Background
0	Compliance and Regulations
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Ö	Timeline
0	Timeline Others
0	Others
0 0	Others Requirements for commit message Content regarding Software Vulnerabilities
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8. For each factor, what are your requirements for the level of detail of the following content? Please evaluate each factor based on your needs. 1 point indicates average, 2 points indicates moderate, and 3 points indicates strong.

	1	2	3
Summary	0	0	0
Testing	0	0	0
Security	0	0	0
Recommendations			
References	0	0	0
Vulnerability Severity	0	0	0
Exploitability	0	0	0
Patch Compatibility	0	0	0
Impact	0	0	0
Documentation	0	0	0
Updates			
Patch Side Effects	0	0	0
Fix	0	0	0
Deployment	0	0	0
Instructions			
Acknowledgments	0	0	0
Background	0	0	0
Compliance and	0	0	0
Regulations			
Timeline	0	0	0

9. Which factors do you think are overemphasized or underemphasized in the current commit message? Please evaluate each factor based on your needs. 1 point indicates insufficient emphasis, 2 points indicates appropriate emphasis, and 3 points indicates excessive emphasis.

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	1	2	3
Summary	0	0	0
Testing	0	0	0
Security	0	0	0
Recommendations			
References	0	0	0
Vulnerability Severity	0	0	0
Exploitability	0	0	0
Patch Compatibility	0	0	0
Impact	0	0	0
Documentation	0	0	0
Updates			
Patch Side Effects	0	0	0
Fix	0	0	0
1 173			

Deployment	0	0	0
Instructions			
Acknowledgments	0	0	0
Background	0	0	0
Compliance and	0	0	0
Regulations			
Timeline	0	0	0
10 Do you think the [Single-choice question] O Very important O Important O General O Not very important O Completely unimpo 11 Does your team vulnerabilities? [Single-c O Yes, and I strictly ab O Yes, but I don't quit O No 12 Which style of come O Concise and clear, g O Detailed and compr O Others V. Views on Generation 13 Have you ever us [Single-choice question] O Yes O No	format of the softwar rtant have a format specifical hoice question] ide by it e abide by it mit message do you prefe etting straight to the poin ehensive, containing as r on Tools ed a tool to generate of em, what do you think of noice question] eet my needs	nuch information as poss commit messages for so	message is important? ges regarding software on] ible oftware vulnerabilities?

be improved? [Multiple Choice Question]

O Improve the accuracy of the generated content

O	Enhance the completeness of the generated content
0	Improve the user interface and interaction experience
0	Increase the generation speed
0	Increase support for different languages
0	Provide more template and format options
0	Others
١/:	Other Suggestions

Vi. Other Suggestions

16 . Do you have any other suggestions or expectations regarding the software vulnerability commit message? Please describe briefly.

Thank you very much for taking the time to participate in this questionnaire survey! Your opinions are of great significance to us and will help us better meet the needs of software security engineers and improve the quality of software vulnerability commit messages.