

Interview Questionnaire

Framework for Summarization and Error Detection of In-Vehicle Network Traces

Date: 07.10.24

Interviewee: [REDACTED]

Interviewer: Simon Hirner

Current State of Practice

1. What is your current workflow or procedure for analyzing trace files attached to bug tickets?

Download, unzip, analyze with Carmen

2. Are there any challenges or limitations in your current trace analysis workflow that you feel could be improved?

time-consuming and boring task, needs month and years of
experience

Trace Analysis Tasks

Task 1: IPB might not wake up ~~is~~ on button press

Task 2: No response while in sleep mode

Task 3: Summary looks good, very compact

Task 4: ~~But~~ Dive deeper into problem section through summary

Perceived Usefulness Questions (PU)

3. Using the trace analysis framework would improve my performance in doing my job.

LIKELY

*its helpful for productivity
rather than performance*

UNLIKELY

			✓			
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4. Using the trace analysis framework at work would improve my productivity.

LIKELY

UNLIKELY

		✓				
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5. I would find the trace analysis framework useful in my job.

LIKELY

UNLIKELY

		✓				
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Perceived Ease of Use Questions (PEU)

6. Learning to operate the trace analysis framework would be easy for me.

LIKELY

UNLIKELY

			✓			
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7. I would find it easy to get the trace analysis framework to do what I want it to do.

LIKELY

How does the DSL work?

UNLIKELY

				✓		
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8. My interaction with the trace analysis framework would be clear and understandable.

LIKELY

UNLIKELY

		✓				
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Behavioral Intention to use (BI)

9. I presently intend to use the trace analysis framework regularly at work.

LIKELY

UNLIKELY

	✓					
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General Feedback

10. What are your overall impressions and thoughts on the trace analysis framework?

Automation of nerve-wracking task

11. What additional features or improvements would enhance the trace analysis framework?

Improve DSL or use different option for configuration,
Visual aids like timelines