

Interview Questionnaire

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

Date: 10.10.2024

Interviewee: [REDACTED]

Interviewer: Simon Hinner

Current State of Practice

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

Analysis with installed tools like Carmen, DLT Viewer, ...

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

Can be time-consuming, but no alternative for detailed analysis

Trace Analysis Tasks

Task 1: The function only activates on second press

Task 2: Unlock command is sent, but IPB does not respond

Task 3: Summary confirms that key search interrupts sequence

Task 4: Error hint is good, but detailed analysis still necessary

Perceived Usefulness Questions (PU)

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

LIKELY

UNLIKELY

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

LIKELY

UNLIKELY

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

LIKELY

UNLIKELY

		X				
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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

			X			
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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

UNLIKELY

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

LIKELY

UNLIKELY

		X				
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Behavioral Intention to use (BI)

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

LIKELY

UNLIKELY

			X	XXX		
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Highly likely, if improved in future

General Feedback

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

Interesting initiative

Hesitant to rely on summaries configured by DSL

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

Advanced analysis tasks, add full decoded trace to bug ticket