

Training evaluation report

Training session: Embedded Linux Training
Training dates: Oct. 13-17, 2008 (5 days)

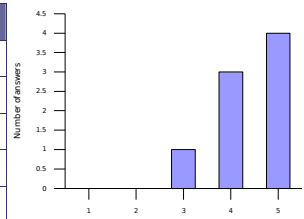
Number of participants: 9
Returned feedback forms: 8/9

Thank you for having organized a Free Electrons training session!
 Here is a wrap-up of evaluations from participants.

Learning objectives

1. How well did the course meet your learning objectives?

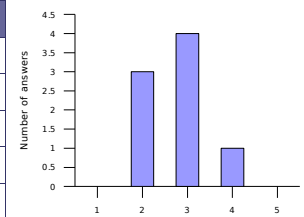
Rating	Answers	Description
1	0	Not met
2	0	
3	1	
4	3	
5	4	Fully met



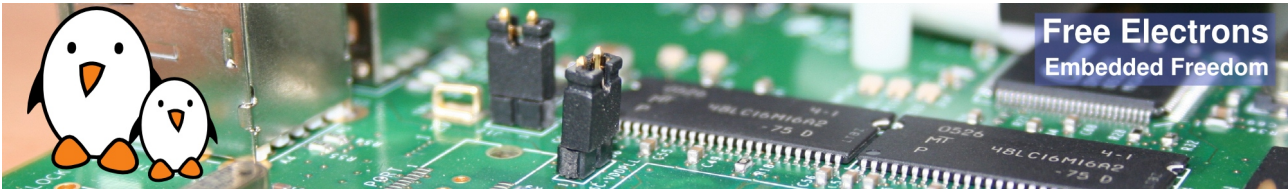
4 - Very good approach of Embedded Linux. Gives a wide panel of open-source tools available on the market.
 5 - It's fine.

2. How was the duration of the course?

Rating	Answers	Description
1	0	Too short. Couldn't learn enough in such a short time.
2	3	A little too short
3	4	Just fine
4	1	A little too long
5	0	Definitely too long. The concepts could be learned in much less time.



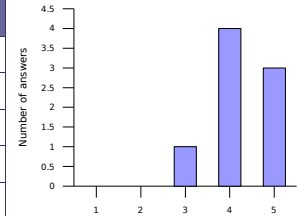
3 - One intensive week. Less than 1 week would have been too short.
 2 - 1 or 2 more days of practical labs would have allowed us to gain more landmarks (*French: "repères"*). It's our turn to work, now!
 2 - I didn't have time to ????? everything



Lecture materials

3. How helpful were the lecture materials?

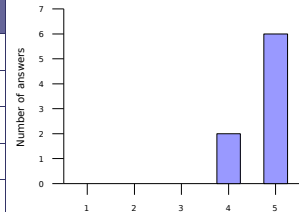
Rating	Answers	Description
1	0	Not helpful. Made things more difficult to learn and understand.
2	0	
3	1	
4	4	
5	3	Really made things easier to understand and learn.



4 - Tutorial materials are essential. During the course but above for the future.
 4 - Very comprehensive. It can be used as a base to go on acquiring more skills.
 4 - Help me. It was written in English!

4. Will you recommend these materials to others?

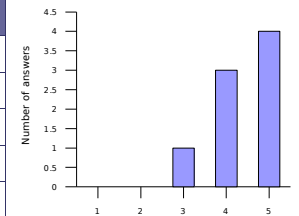
Rating	Answers	Description
1	0	No. Not helpful without following the sessions.
2	0	
3	0	
4	2	
5	6	Definitely



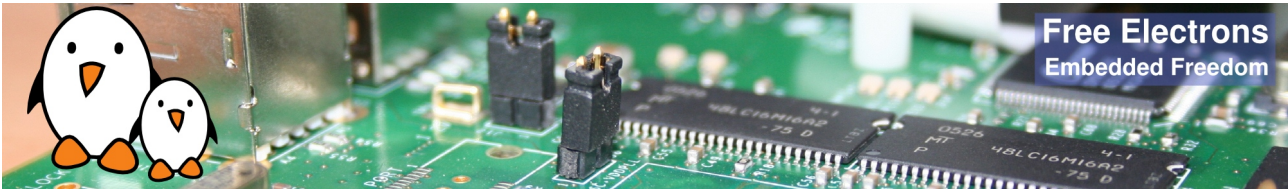
5 - Yes, but maybe not so easy to find the right answer to a question without having the lectures...
 5 - Yes - Sure

5. If you have Linux project opportunities, will you use these materials again?

Rating	Answers	Description
1	0	No. I will look for other sources of information.
2	0	
3	1	
4	3	
5	4	Definitely



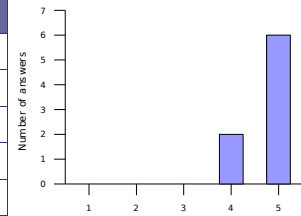
4 - It depends on when we need them.
 3 - Yes, it's possible.



Instructor added value

6. How knowledgeable was the instructor?

Rating	Answers	Description
1	0	Not enough for my own technical experience.
2	0	
3	0	
4	2	
5	6	More than enough for my own experience.

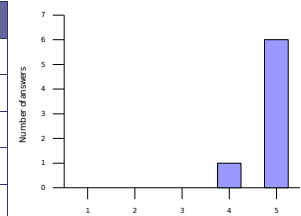


5 - Courses were very well explained.

5 - Is it possible?

7. Did instructor oral explanations add value to the lecture materials?

Rating	Answers	Description
1	0	No added value to reading the materials.
2	0	
3	0	
4	1	
5	6	Yes. The instructor really made very useful oral explanations.



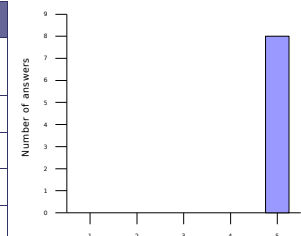
5 - The oral explanations definitely helped and added value to the lecture material.

4 - The management of lectures and labs could be improved. But its true that there are many topics to cover.

4 - I lost ground during some explanations, because they were too fast.

8. How well did the instructor answer questions from the audience?

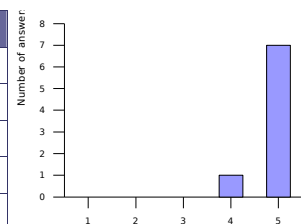
Rating	Answers	Description
1	0	Poorly. Didn't try to understand the questions well or rarely managed to find useful answers.
2	0	
3	0	
4	0	
5	8	Answered very well to questions from the audience



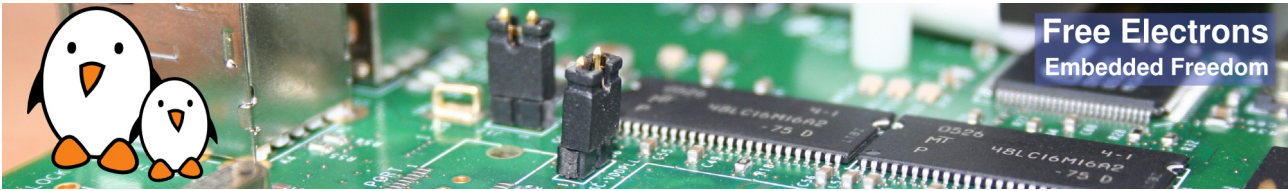
5 - Very present during the labs!

9. Was the instructor helpful with practical labs?

Rating	Answers	Description
1	0	No, not enough available and helpful during the labs.
2	0	
3	0	
4	1	
5	7	Yes. The instructor definitely helped to make labs a learning opportunity.



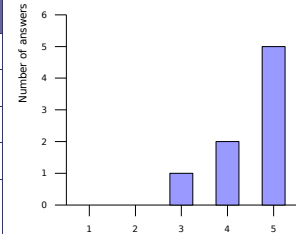
5 - Good reactivity in front of encountered problems.



Training labs

10. How useful were the training labs?

Rating	Answers	Description
1	0	Not useful. Didn't add significant value to the lectures.
2	0	
3	1	
4	2	
5	5	Very useful. Helped to highlight things not understood and build useful experience.

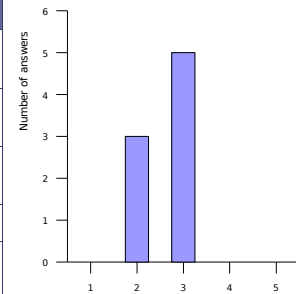


4 - Very useful to practice what was discussed / presented during the lectures.

4 - Some labs remained obscure to me. Example: cross-compiling.

11. How difficult were the training labs?

Rating	Answers	Description
1	0	Too difficult. Didn't help or even discouraged a beginner to get more familiar with the tools and concepts.
2	3	A bit too difficult. Would be better if the lab instructions gave a bit more details about explanations.
3	5	Just fine. Prompted me to look for answers, get my own experience and find my own solutions.
4	0	Too easy for my own technical level.
5	0	Too easy for everyone. Should challenge participants more and help everyone to practice on real issues.



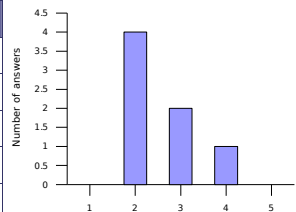
2 - A bit difficult but depends on the level of the audience...

3 - Work was not predigested. Personal research is needed to reach the goals! Very good!

2 - Need more explanations why.

12. Was enough time dedicated to the practical labs?

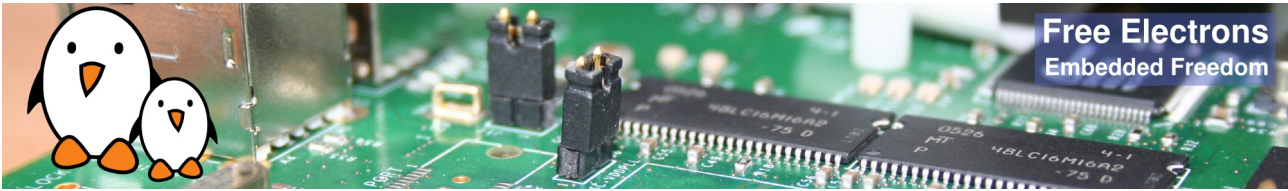
Rating	Answers	Description
1	0	No. More practice is needed
2	4	A little bit more time would help.
3	2	Just fine
4	1	A little bit less time would be enough.
5	0	Don't need to spend so much time on labs. On-the-job practice is best



3 - Good trade off between lectures and labs, except maybe on Thursday. Too many lectures during the day.

2 - Really allows to fix ideas!

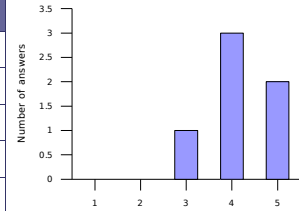
2 - Not enough time to finish labs.



Training conditions

13. How do you rate training conditions (room size, equipment, environment...)?

Rating	Answers	Description
1	0	Poor.
2	0	
3	1	
4	3	
5	2	Very good.

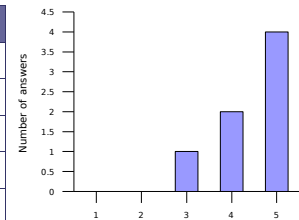


N/A - No comment. Our room.

3 - Not very good - Due to company training room.

14. How do you rate the training equipment (mainly computers)?

Rating	Answers	Description
1	0	Poor. Not powerful enough to execute practical labs.
2	0	
3	1	
4	2	
5	4	Very good. Very little time waiting, more time learning.

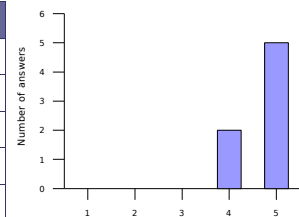


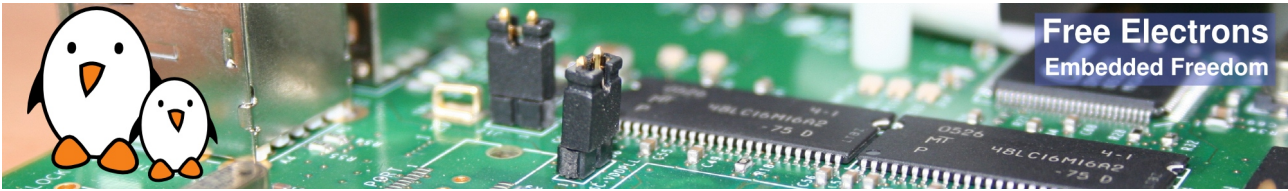
5 - Good hardware.

3 - Good

15. How well was the course organized (program, registration, meeting the schedule...)?

Rating	Answers	Description
1	0	Not well
2	0	
3	0	
4	2	
5	5	Very well

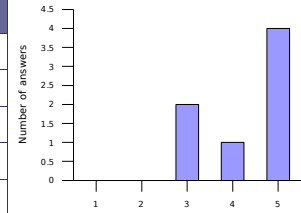




Overall rating

16. How much did you learn?

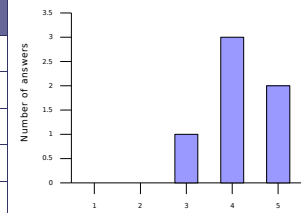
Rating	Answers	Description
1	0	Definitely not much
2	0	
3	2	
4	1	
5	4	Definitely more than I expected.



4 - Not being familiar with the domain, this course gives a good point of view of what is possible with Embedded Linux.
5 - Too much.

17. How useful will this course be in your daily job?

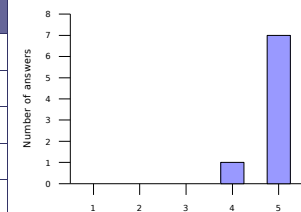
Rating	Answers	Description
1	0	Not useful.
2	0	
3	1	
4	3	
5	2	Very useful. Will make my job easier and more productive.



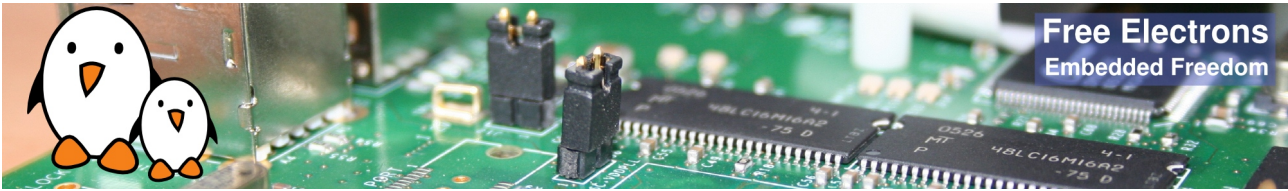
N/A - Very useful for our future project.
4 - Also and above all a good clarification (*French: "remise au point"*) of general knowledge.
4 - Useful

18. Would you recommend this course to others?

Rating	Answers	Description
1	0	No.
2	0	
3	0	
4	1	
5	7	Yes, definitely

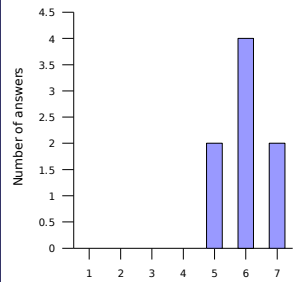


5 - By the way my boss is looking for Embedded Linux courses. I will hand your business card to him.
4 - Perhaps through several training modules. In a nutshell, fragment in several sessions.
5 - And the company too.



19. Overall rating

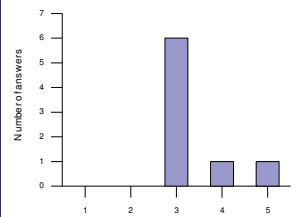
Rating	Answers	Description
1	0	Very disappointing
2	0	Disappointing
3	0	A little bit disappointing
4	0	OK
5	2	Pretty good
6	4	Very good
7	2	Excellent



7 - Carry on!

20. An extra session?

Rating	Answers	Description
1	0	No
2	0	
3	6	Why not?
4	1	
5	1	Yes, definitely



3 - When I have understood everything.

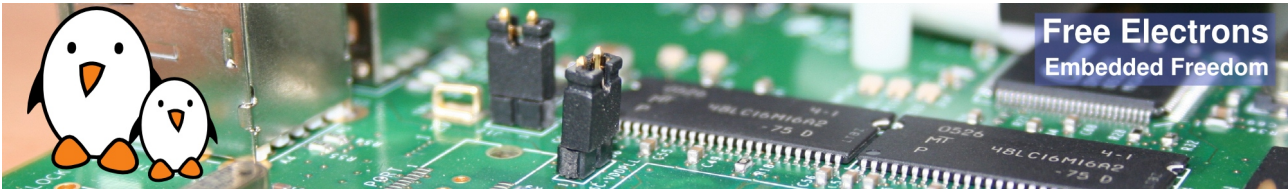
Number of votes for topics in an extra session

Understanding the Linux kernel	Linux device driver development	Linux board support packages	Embedded system development	Miscellaneous needs	
Process management	USB device drivers	Processor specific code	Lightweight tools	Java	1
Filesystem implementation	USB host drivers	Board specific code	Embedded system development tools	1 Real-time	
Memory management	PCI drivers	Board specific interrupt support code	Cross-compiling toolchains	1 Audio	1
Scheduling implementation	Network drivers	DMA support	Debugging solutions	1 Video	1
Bootstrap code	Block drivers	Bootloader development	Software development tools	uClinux	
	Flash drivers		Programming with graphical libraries	Voice over IP	
	I2S drivers		POSIX API		
	Input drivers		System optimization		
	Sound drivers		Root filesystem creation		
	Video drivers				

Free Electrons comments

Thanks to the (sometimes oral) suggestions from the audience, we will improve future training sessions...

- By trying to improve the balance between lectures and practical labs.



Life after training

After this training session, do not hesitate to get back to us! Here are things we could do to support you in your embedded Linux projects:

- More training: we can organize custom training sessions or workshops on specific topics. Examples: USB device drivers, developing multimedia systems, uClinux, BSP development...
- If some people in your organization missed the session, and you don't have enough requests to organize another session, they can choose to go to our public training sessions. See <http://free-electrons.com/training/sessions> for details.
- Linux kernel porting. Adding Linux support to your boards, or supporting you in doing this.
- Having your board support code merged in mainstream sources (Linux, U-boot), so that your sources are maintained by the community. This also means for customers that your boards will be supported for a long time.
- System development and integration. Creating demos and prototypes.
- System optimization: improving system performance and features (power consumption, speed, size...)
- Investigating and fixing nasty bugs that you don't have time to cope with by yourselves.

See <http://free-electrons.com/services> for details.