Training evaluation report

Training session: Embedded Linux + kernel and driver training
Training dates: Oct. 12-22, 2010 (8 days)
Country: Canada

Number of participants: 14
Returned evaluation forms: 13

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	0	
4	3	
5	10	Fully met

2. How was the duration of the course?

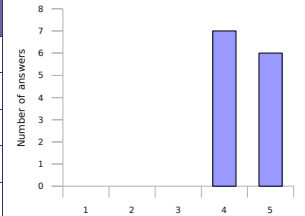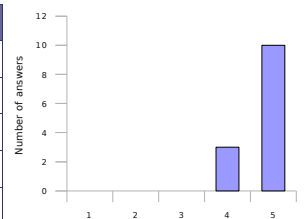| Rating	Answers	Description
1	0	Too short. Couldn't learn enough in such a short time.
2	6	A little too short
3	6	Just fine
4	0	A little too long
5	0	Definitely too long. The concepts could be learned in much less time.
2- However, I would not have much time for a longer session		
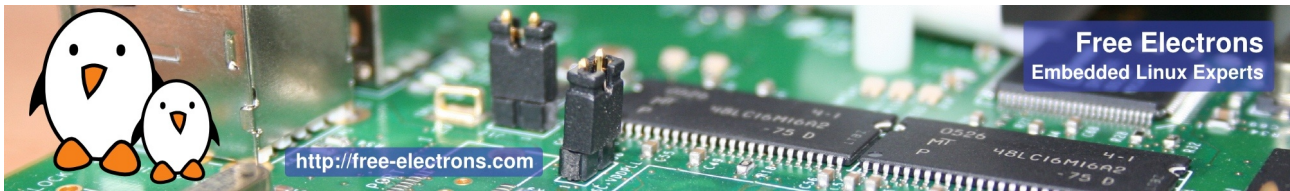
Lecture materials

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	0	
4	7	
5	6	Really made things easier to understand and learn.

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	3	
5	10	Definitely

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	2	
4	2	
5	9	Definitely
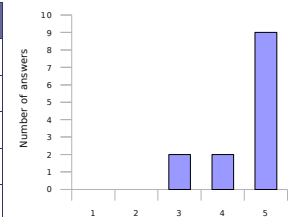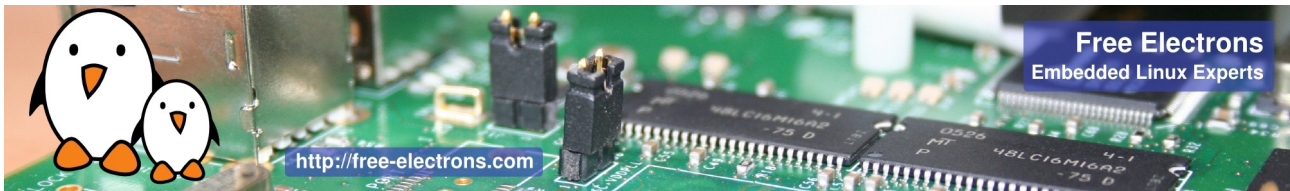
Instructor added value

6. How knowledgeable was the instructor?

Rating	Answers	Description
1	0	Not enough for my own technical experience.
2	0	
3	0	
4	1	
5	12	More than enough for my own experience.
5 – Thomas was excellent and extremely patient		
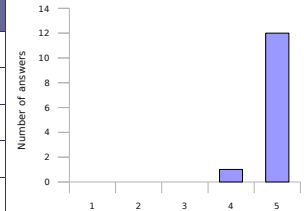
7. Did instructor oral explanations add value to the lecture materials?

Rating	Answers	Description
1	0	No added value to reading the materials.
2	0	
3	0	
4	0	
5	13	Yes. The instructor really made very useful oral explanations.
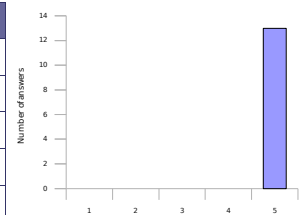
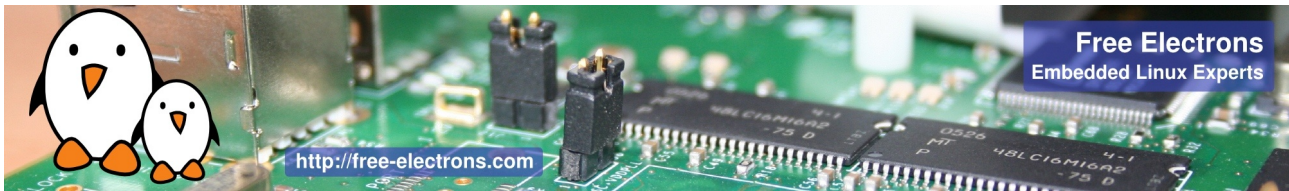### 8. How well did the instructor answer questions from the audience?

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	1	
5	12	Answered very well to questions from the audience
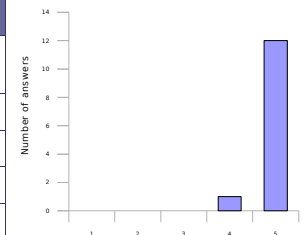
9. Was the instructor helpful with practical labs?

Rating	Answers	Description
1	0	No, not enough available and helpful during the labs.
2	0	
3	0	
4	2	
5	11	Yes. The instructor definitely helped to make labs a learning opportunity.

© 2004 - 2010 Free Electrons, http://free-electrons.com, training@free-electrons.com, +33 621 604 642
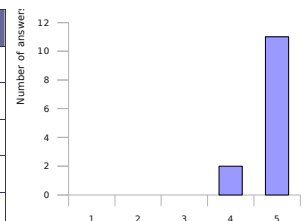
Training labs

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	10	Very useful. Helped to highlight things not understood and build useful experience.
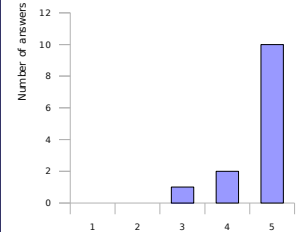
11. How difficult were the training labs?

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	9	A bit too difficult. Would be better if the lab instructions gave a bit more details about explanations.
3	4	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.
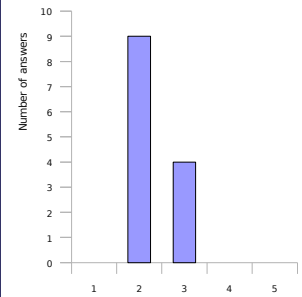
2- The labs description are a little bit too dense. It is difficult not getting lost when doing the labs. I would like to have the directives in a separate frame.
*Note: this is done on purpose. We instruct people what to do, but now how to. This way, people look for solutions by themselves (all the answers are in the lectures), and they understand what they do, and remember it.*

2- Would be better if the lab instructions gave a bit more details and explanations, or may be a separate set of information that could be read if needed.

2- Not your fault. I personally lack of some skills

12. Was enough time dedicated to the practical labs?

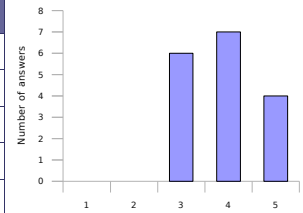| Rating	Answers	Description
1	0	No. More practice is needed
2	1	A little bit more time would help.
3	12	Just fine
4	0	A little bit less time would be enough.
5	0	Don't need to spend so much time on labs. On-the-job practice is best
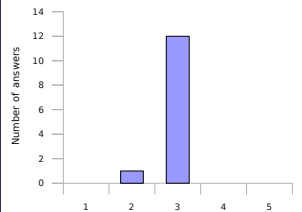
3 – I would be interesting to have less practical labs
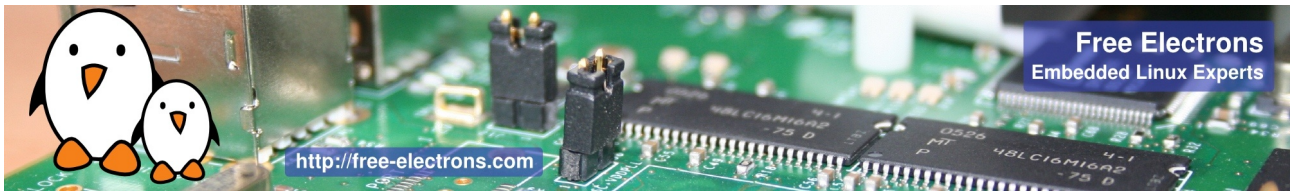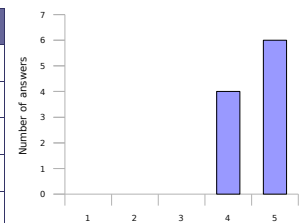
Training conditions

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

Rating	Answers	Description
1	0	Poor.
2	0	
3	6	
4	7	
5	4	Very good.

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	0	
4	4	
5	6	Very good. Very little time waiting, more time learning.

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	10	Very well
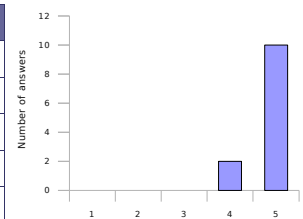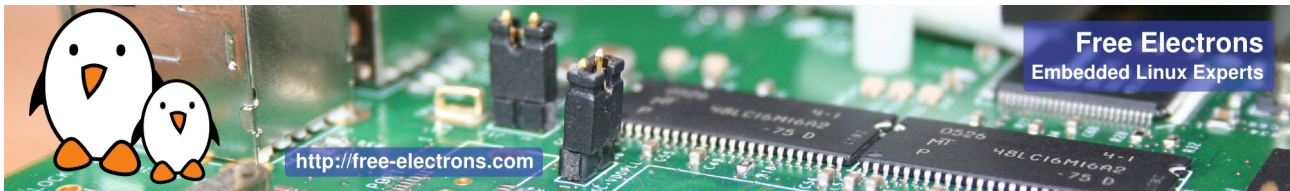
Overall rating

16. How much did you learn?

Rating	Answers	Description
1	0	Definitely not much
2	0	
3	0	
4	4	
5	9	Definitely more than I expected.
4 – The real question is how much will I retain? :)		
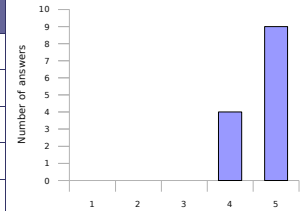
17. How useful will this course be in your daily job?

Rating	Answers	Description
1	0	Not useful.
2	1	
3	2	
4	7	
5	2	Very useful. Will make my job easier and more productive.
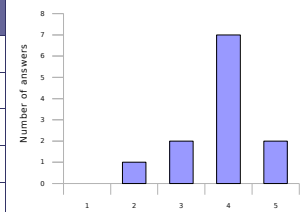
18. Would you recommend this course to others?

Rating	Answers	Description
1	0	No.
2	0	
3	0	
4	2	
5	11	Yes, definitely

19. Overall rating

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

20. An extra session?

Rating	Answers	Description
1	1	No
2	1	
3	8	Why not?
4	1	
5	1	Yes, definitely
3 – but no specific needs at the moment		
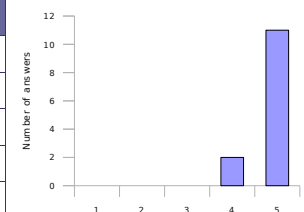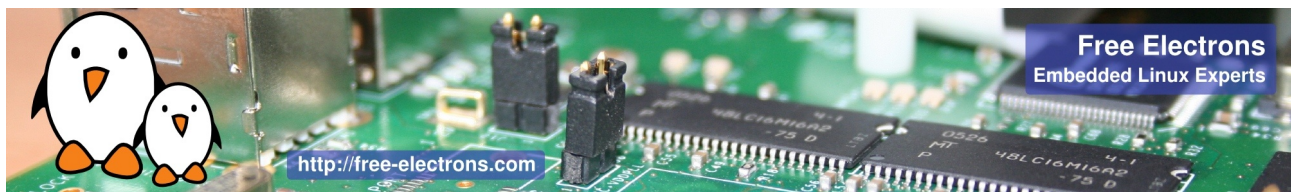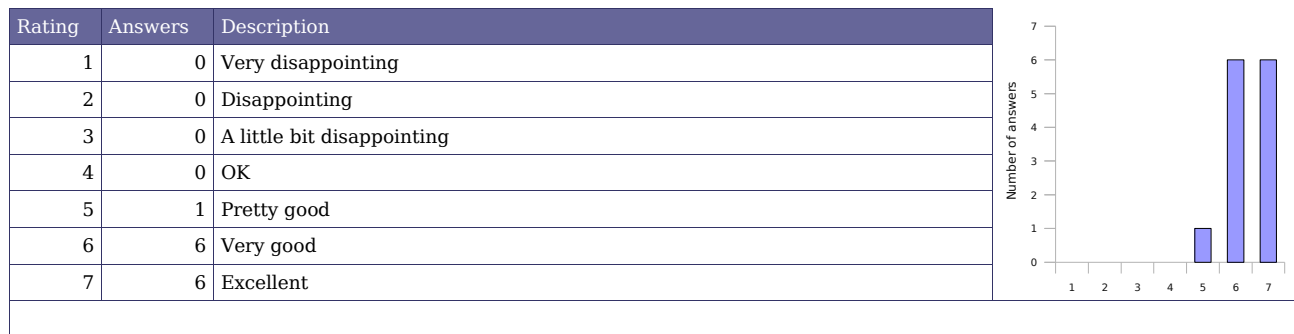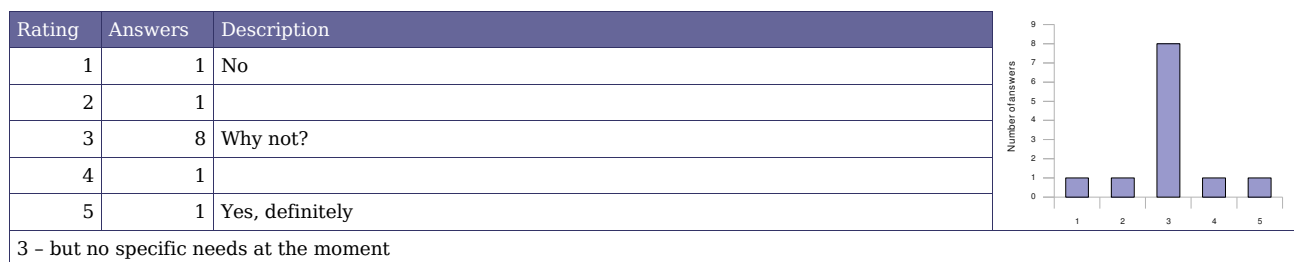
Number of votes for topics in an extra session

| Understanding the Linux kernel		Linux device driver development		Linux board support packages		Embedded system development		Miscellaneous needs	
Process management		USB device drivers	1	Processor specific code		Lightweight tools		Java	
Filesystem implementation		USB host drivers	1	Board specific code	2	Embedded system development tools	1	Real-time	3
Memory management		PCI drivers	1	Board specific interrupt support code		Cross-compiling toolchains		Audio	
Scheduling implementation		Network drivers		DMA support		Debugging solutions	1	Video	
Bootstrap code	1	Block drivers		Bootloader development		Software development tools	1	uClinux	
		Flash drivers				Programming with graphical libraries		Voice over IP	
		I2S drivers				POSIX API			
		Input drivers				System optimization	1		
		Sound drivers		Camera link (protocol for industrial vision)	1	Root filesystem creation			
		Video drivers	1	Linux device driver	1				
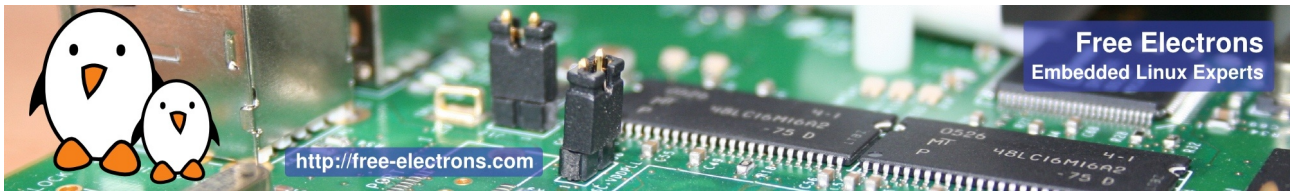
Life after training

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: you may be interested in the other training sessions that we propose, either embedded Linux system development or Linux kernel and driver development, depending on the course you have already taken. See http://free-electrons.com/training for details.

- 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.