



## Training evaluation report

**Training session:** Embedded Linux Training  
**Training dates:** Dec. 17-21, 2007 (5 days)

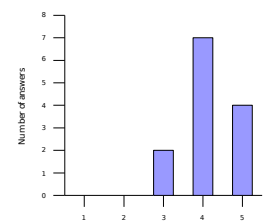
**Number of participants:** 14  
**Returned feedback forms:** 13/14

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

### Learning objectives

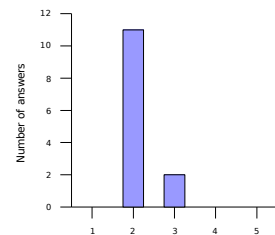
#### 1. How well did the course meet your learning objectives?

Rating	Answers	Description
1	0	Not met
2	0	
3	2	
4	7	
5	4	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	11	A little too short
3	2	Just fine
4	0	A little too long
5	0	Definitely too long. The concepts could be learned in much less time.



2 - There are a lot of contents in a short period of time. But it's better for us. More time for labs.

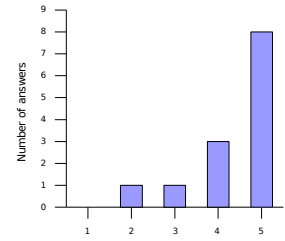
2 - You need to have a good Linux background.



## Lecture materials

### 3. How helpful were the lecture materials?

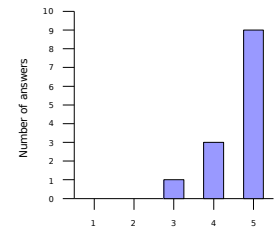
Rating	Answers	Description
1	0	Not helpful. Made things more difficult to learn and understand.
2	1	
3	1	
4	3	
5	8	Really made things easier to understand and learn.



4 - Good, I'd change the order in some chapters to fully understand some technical concepts

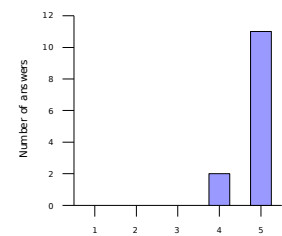
### 4. Will you recommend these materials to others?

Rating	Answers	Description
1	0	No. Not helpful without following the sessions.
2	0	
3	1	
4	3	
5	9	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	0	
4	2	
5	11	Definitely

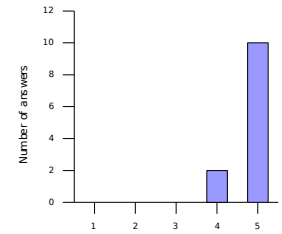




## Instructor added value

### 6. How knowledgeable was the instructor?

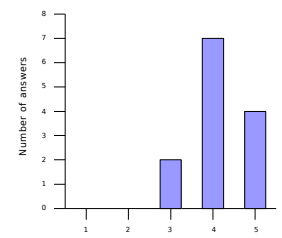
Rating	Answers	Description
1	0	Not enough for my own technical experience.
2	0	
3	0	
4	2	
5	10	More than enough for my own experience.



N/A - No hablo Ingles, por lo que no puedo valorar (*I don't speak English, for what I can assess*).

### 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	2	
4	7	
5	4	Yes. The instructor really made very useful oral explanations.

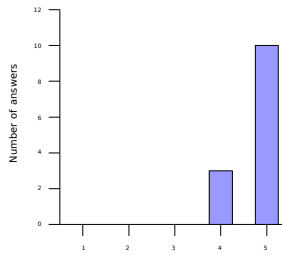


4 - Maybe asking questions or increasing interaction with the pupils would help keeping people's attention and make the lecture more interesting.

3 - I don't understand English!!

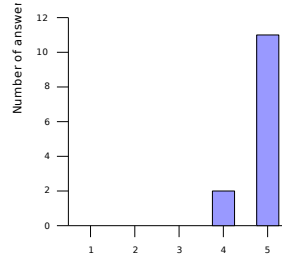
### 8. How well did the instructor answer questions from the audience?

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	3	
5	10	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.

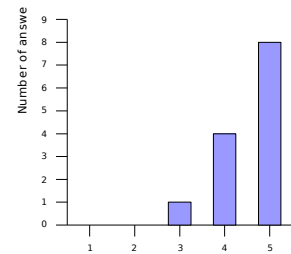




## Training labs

### 10. How useful were the training labs?

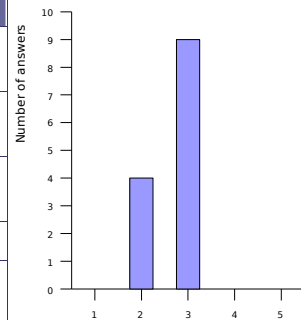
Rating	Answers	Description
1	0	Not useful. Didn't add significant value to the lectures.
2	0	
3	1	
4	4	
5	8	Very useful. Helped to highlight things not understood and build useful experience.



4 - SOLUTIONS WOULD BE VERY HELPFUL TO REMEMBER (IT'S NO SHOUTING)  
5 - Better more time

### 11. How difficult were the training labs?

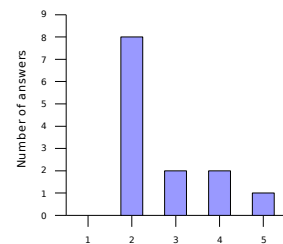
Rating	Answers	Description
1	0	Too difficult. Didn't help or even discouraged a beginner to get more familiar with the tools and concepts.
2	4	A bit too difficult. Would be better if the lab instructions gave a bit more details about explanations.
3	9	Just fine. Prompted me to look for answers, get my 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 - If you haven't go any idea about Linux embedded, it is difficult to resolve training labs

### 12. Was enough time dedicated to the practical labs?

Rating	Answers	Description
1	0	No. More practice is needed
2	8	A little bit more time would help.
3	2	Just fine
4	2	A little bit less time would be enough.
5	1	Don't need to spend so much time on labs. On-the-job practice is best



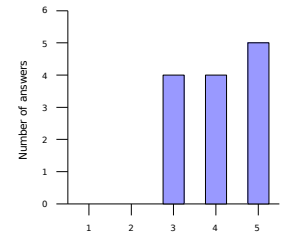
2 - More details and explanations.



## Training conditions

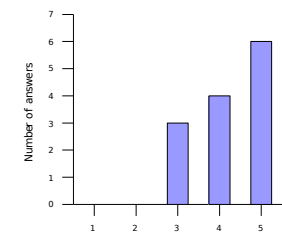
13. How do you rate training conditions (room size, equipment, environment...)?

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



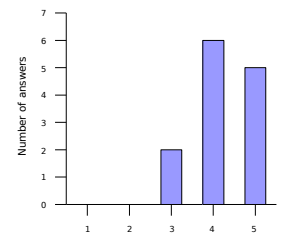
14. How do you rate the training equipment (mainly computers)?

Rating	Answers	Description
1	0	Poor. Not powerful enough to execute practical labs.
2	0	
3	3	
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	2	
4	6	
5	5	Very well

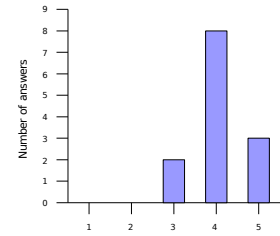




## Overall rating

16. How much did you learn?

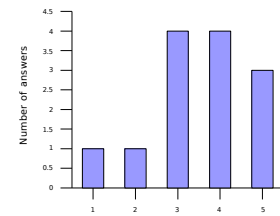
Rating	Answers	Description
1	0	Definitely not much
2	0	
3	2	
4	8	
5	3	Definitely more than I expected.



3 - Por no saber Ingles no he aprendido mas, pero muy bien  
(I didn't learn more because I didn't know English enough, but OK)

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

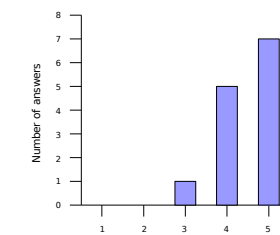
Rating	Answers	Description
1	1	Not useful.
2	1	
3	4	
4	4	
5	3	Very useful. Will make my job easier and more productive.



4 - Diseño HW (*Hardware design*)  
3 - At the moment, I'm not working with Linux but it is interesting to know.  
1 - Not useful but in the future will be useful. And it's great for my work skills ;)

18. Would you recommend this course to others?

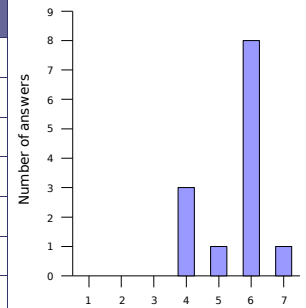
Rating	Answers	Description
1	0	No.
2	0	
3	1	
4	5	
5	7	Yes, definitely





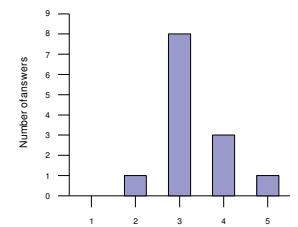
## 19. Overall rating

Rating	Answers	Description
1	0	Very disappointing
2	0	Disappointing
3	0	A little bit disappointing
4	3	OK
5	1	Pretty good
6	8	Very good
7	1	Excellent



## 20. An extra session?

Rating	Answers	Description
1	0	No
2	1	
3	8	Why not?
4	3	
5	1	Yes, definitely



- 3 - Linux device driver development - Miscellaneous needs.
- 4 - Need some time to put up today and then learn specific aspects.
- 4 - Multimedia, USB drivers

### 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	1	USB device drivers	Processor specific code	Lightweight tools	Java	1
Filesystem implementation		USB host drivers	Board specific code	Embedded system development tools	Real-time	
Memory management		PCI drivers	Board specific interrupt support code	Cross-compiling toolchains	Audio	
Scheduling implementation		Network drivers	DMA support	Debugging solutions	Video	
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				

## Instructor comments

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

- By changing the order of some chapters
- By giving participants a complete document with solutions at the end.
- By making the lectures more interactive, for example by asking questions to the audience.