



## Training evaluation report

**Training session:** Embedded Linux Training

**Training dates:** June 18-22, 2007 (5 days)

**Number of participants:** 18

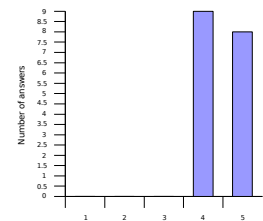
**Returned feedback forms:** 18/18

Thank you for having organized a Free Electronics 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	9	
5	8	Fully met



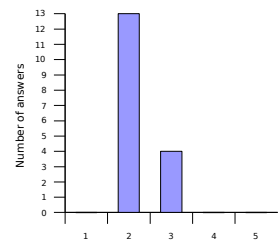
4 - Expected more on driver development

4 - I had some goals with were not met, but there were too specific to our hardware

5 - The course is worth it!!

#### 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	13	A little too short
3	4	Just fine
4	0	A little too long
5	0	Definitely too long. The concepts could be learned in much less time.



2 - The contents are huge, but I understand also that a course can't be much longer because of the other companies.

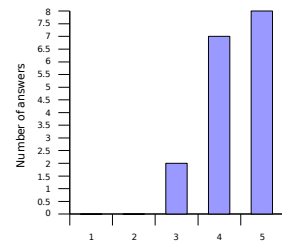
2 - A lot of information in short time, but there are many pointers to learn more.



## Lecture materials

### 3. How helpful did you find the lecture materials?

Rating	Answers	Description
1	0	Not helpful. Made things more difficult to learn and understand.
2	0	
3	2	
4	7	
5	8	Really made things easier to understand and learn.

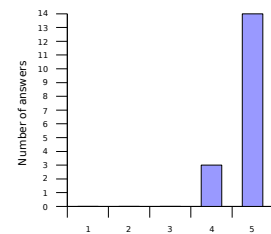


4 - A little schematic companion text would be very useful

5 - Before the course, I had found your materials (PDF) and they were impressive.

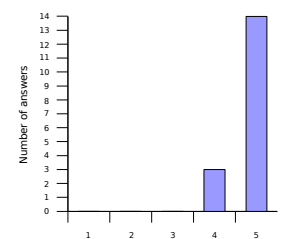
### 4. Will you recommend these materials to others?

Rating	Answers	Description
1	0	No. Not helpful without following the sessions.
2	0	
3	0	
4	3	
5	14	Definitely



### 5. Will you use these materials again in the future, for command or resource references?

Rating	Answers	Description
1	0	No. I will look for other sources of information.
2	0	
3	0	
4	3	
5	14	Definitely

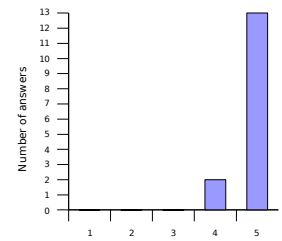




## Instructor added value

6. How knowledgeable was the instructor?

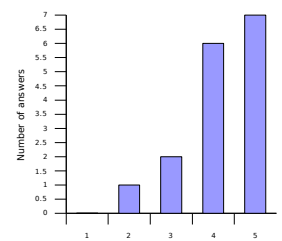
Rating	Answers	Description
1	0	Not enough for my own technical experience.
2	0	
3	0	
4	2	
5	13	More than enough for my own experience.



4 - English accent a bit difficult for me... or maybe my ears are getting worse.

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

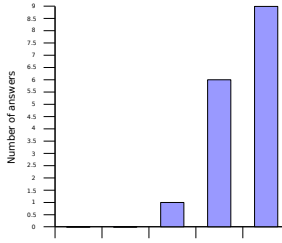
Rating	Answers	Description
1	0	No added value to reading the materials.
2	1	
3	2	
4	6	
5	7	Yes. The instructor really made very useful oral explanations.



2 - In fact, diapos are already good enough, and we had little time in the course, so short explanations weren't an issue.

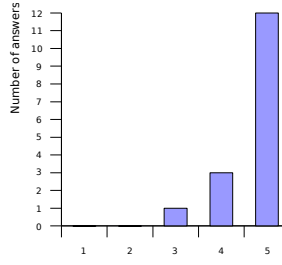
8. How well did the instructor answer questions from the audience?

Rating	Answers	Description
1	0	Poorly. Didn't try to understand the questions well or rarely managed to find useful answers.
2	0	
3	1	
4	6	
5	9	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	1	
4	3	
5	12	Yes. The instructor definitely helped to make labs a learning opportunity.



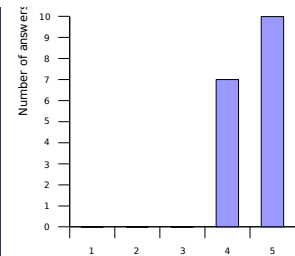
5 - Maybe it would be great to do more labs, although it's difficult due to the time



## Training labs

### 10. How useful did you find the training labs?

Rating	Answers	Description
1	0	Not useful. Didn't add significant value to the lectures.
2	0	
3	0	
4	7	
5	10	Very useful. Helped to highlight things not understood and build useful experience.

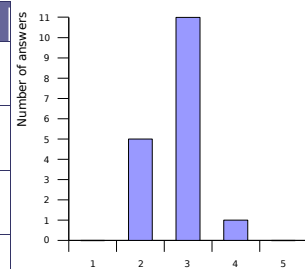


4 - Labs are essential, because the more problems you find, the more you understand. But you know, the real problems will come from now ... when we are alone against Linux!

5 - Very well focussed. I would have preferred to devote more time to them, but...

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

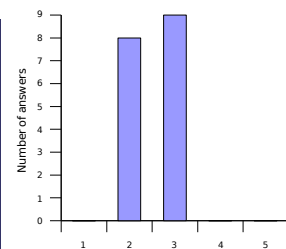
Rating	Answers	Description
1	0	Too difficult. Didn't help or even discouraged a beginner to get more familiar with the tools and concepts.
2	5	A bit too difficult. Would be better if the lab instructions gave a bit more details about explanations.
3	11	Just fine. Prompted me to look for answers, get my own experience and find my own solutions.
4	1	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.

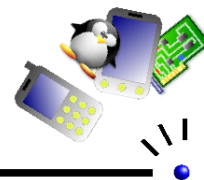


3 - (prompted me to...). But not only just. Instead, very fine.

### 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	9	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

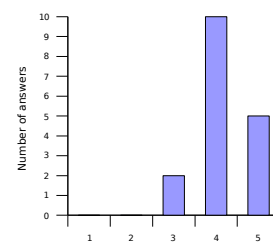




## Training conditions

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

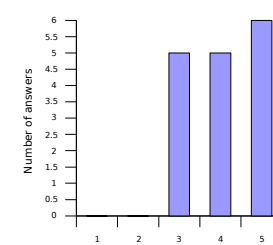
Rating	Answers	Description
1	0	Poor.
2	0	
3	2	
4	10	
5	5	Very good.



3 - I would have preferred one PC per person.

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



N/A - German keyboards supplied by EBV reduced lab-time efficiency

3 - Keyboard in German was horrible.

5 - Only that a Spanish keyboard would be better

5 - Spanish keyboards on computers

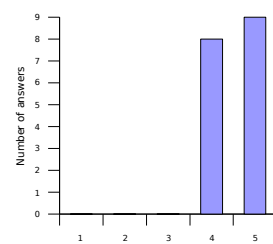
3 - I took my own laptop.

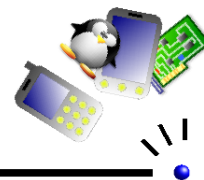
4 - It could be improved if the keyboard would have had the Spanish layout :-)

5 - Thanks also to EBV

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

Rating	Answers	Description
1	0	Not well
2	0	
3	0	
4	8	
5	9	Very well

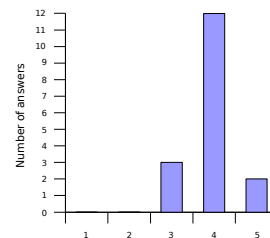




## Overall rating

16. How much did you learn?

Rating	Answers	Description
1	0	Definitely not much
2	0	
3	3	
4	12	
5	2	Definitely more than I expected.

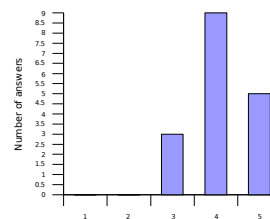


4 - This session helped me to understand certain things I was doing in the Linux project without really understanding.

4 - Not all I would have liked. I will keep trying.

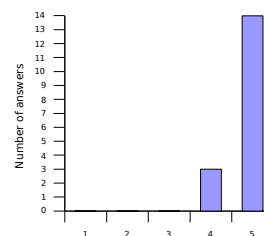
17. How useful will this course be in your daily job?

Rating	Answers	Description
1	0	Not useful.
2	0	
3	3	
4	9	
5	5	Very useful. Will make my job easier and more productive.



18. Would you recommend this course to others?

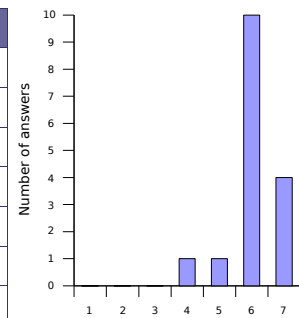
Rating	Answers	Description
1	0	No.
2	0	
3	0	
4	3	
5	14	Yes, definitely





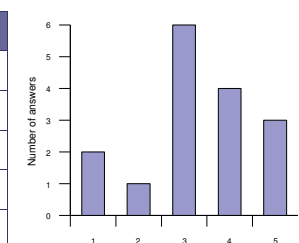
## 19. Overall rating

Rating	Answers	Description
1	0	Very disappointing
2	0	Disappointing
3	0	A little bit disappointing
4	1	OK
5	1	Pretty good
6	10	Very good
7	4	Excellent



## 20. An extra session?

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



4 - U-boot details to modify it according to new hardware.

1 - At the moment.

N/A - More about interrupts

4 - Drivers, development, integration of debugging tools.

### 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	3 USB device drivers	5 Processor specific code	3 Lightweight tools	3 Java
Filesystem implementation	2 USB host drivers	3 Board specific code	4 Embedded system development tools	5 Real-time
Memory management	1 PCI drivers	2 Board specific interrupt support code	2 Cross-compiling toolchains	4 Audio
Scheduling implementation	2 Network drivers	6 DMA support	3 Debugging solutions	3 Video
Bootstrap code	2 Block drivers	1 Bootloader development	3 Software development tools	2 uClinux
	Flash drivers	3	Programming with graphical libraries	2 Voice over IP
	I2S drivers	3	POSIX API	2 Software security
	Input drivers	1	System optimization	
	Sound drivers	6	Root filesystem creation	
	Video drivers	5		
	Bluetooth drivers	2		

## Instructor comments

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

- By offering a score card summing up the most useful kernel API functions.
- By trying to fix keyboard map issues in the Qemu emulator.