



Training evaluation report

Training session: Embedded Linux Training
Training dates: Sep. 15-19, 2008 (5 days)

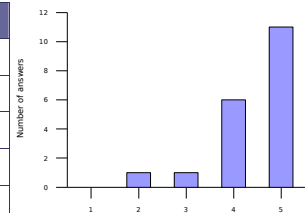
Number of participants: 20
Returned feedback forms: 19/20

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?

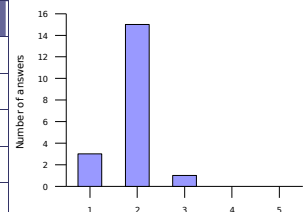
Rating	Answers	Description
1	0	Not met
2	1	
3	1	
4	6	
5	11	Fully met



5 - Now I know what I don't know. But even that is considered as a good start :)
 3 - OK
 2 - Not quite - On the beginning of the course I have a basic knowledge of the Linux system. Because of that I have problems to follow the course.
 4 - Wide range of topics, most interesting, some not

2. How was the duration of the course?

Rating	Answers	Description
1	3	Too short. Couldn't learn enough in such a short time.
2	15	A little too short
3	1	Just fine
4	0	A little too long
5	0	Definitely too long. The concepts could be learned in much less time.



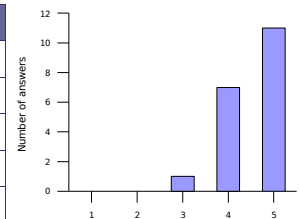
2 - There were lots of new (or unfamiliar) items which were hard to handle in such short time.
 2 - 2 weeks would be fine for this course
 2 - It takes a bit longer (for me :)) to learn new stuff
 2 - One more day would be OK
 2 - For the material covered



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	7	
5	11	



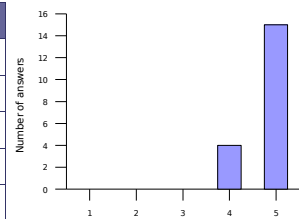
3 - Slides could have more text (or in some additional file.txt)

4 - In combination with recommended documents and on-line sources, lecture materials are quite helpful (basically, they show where to focus the attention).

4 - Need more details for my level of knowledge.

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	4	
5	15	Definitely

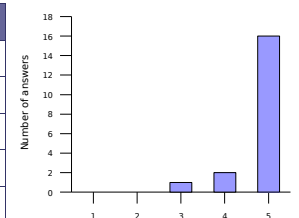


5 - But in combination with recommended documents

4 - Need more details for beginners

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	2	
5	16	Definitely



5 - Until I find something better :)

4 - And the books listed in the materials.

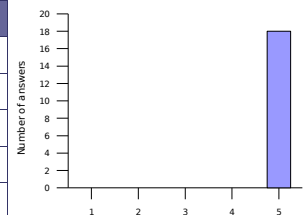
5 - To start at least



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	0	
5	18	More than enough for my own experience.



5 - He didn't leave a single question without answer

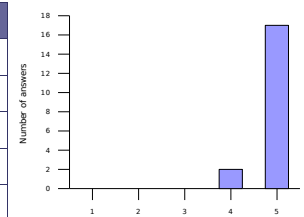
N/A

5 - Absolutely fantastic!

5 - Instructor knows everything. Bravo.

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

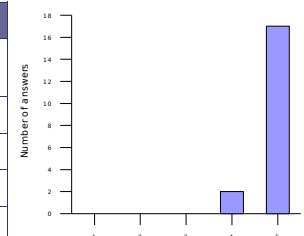
Rating	Answers	Description
1	0	No added value to reading the materials.
2	0	
3	0	
4	2	
5	17	Yes. The instructor really made very useful oral explanations.



5 - I am completely satisfied. No further improvements needed.

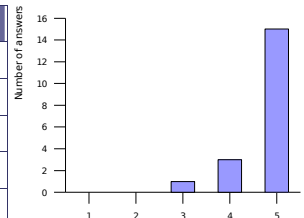
8. How well did the instructor answer questions from the audience?

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	2	
5	17	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	15	Yes. The instructor definitely helped to make labs a learning opportunity.



3 - Not quite - There was too many people.

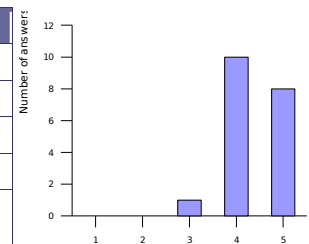
5 - Labs lasted too long.



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	10	
5	8	Very useful. Helped to highlight things not understood and build useful experience.

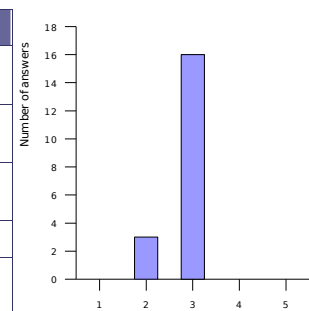


4 - I need more time for labs

4 - Useful - Need more details for beginners

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	16	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.



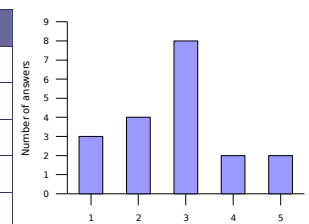
3 - Some minor mistakes in one lab, I think

3 - We lost much time just preparing each lab. So sometime there was no time to finish the intended topics.

3 - Maybe a little more difficult than I expected, but I don't complain at all!

12. Was enough time dedicated to the practical labs?

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



4 - Not for all the labs, but the ones which deal with less familiar stuff

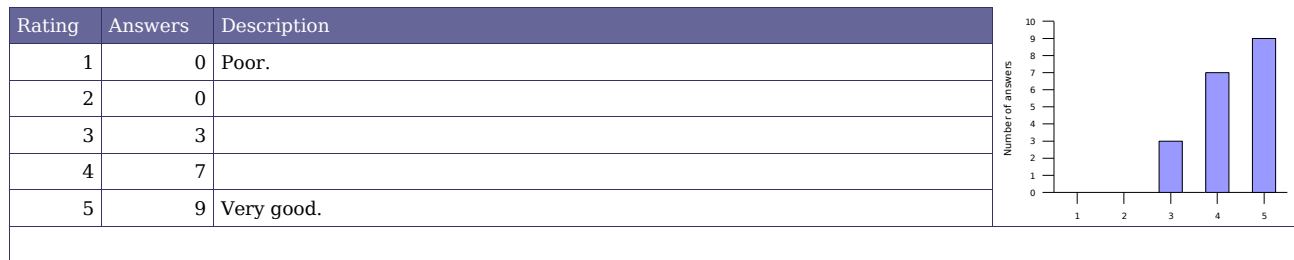
2 - I'm a little slow :)

5 - A lot of people, impossible to finish in short period for everybody

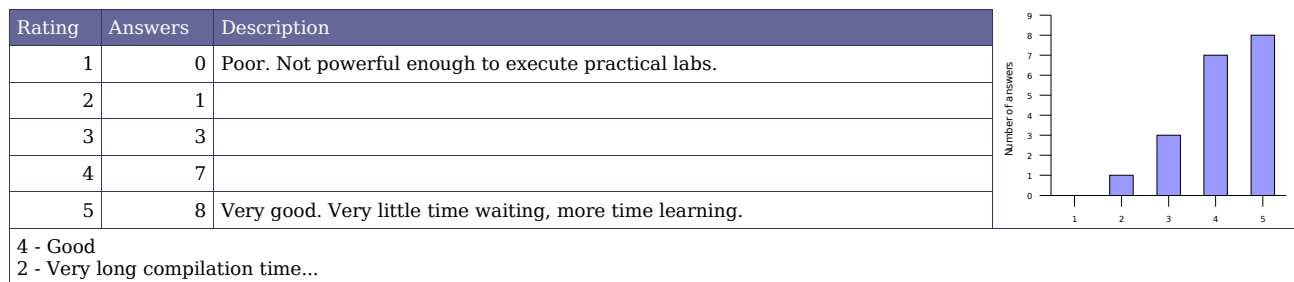


Training conditions

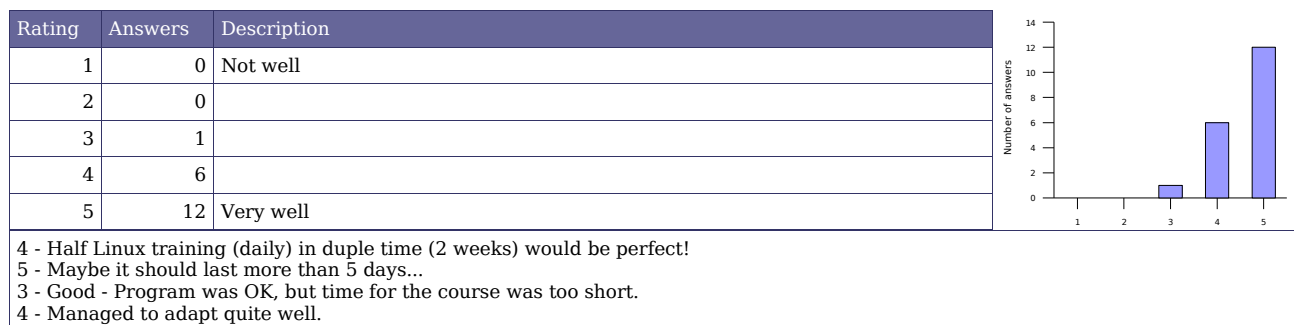
13. How do you rate training conditions (room size, equipment, environment...)?



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



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

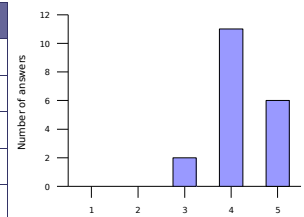




Overall rating

16. How much did you learn?

Rating	Answers	Description
1	0	Definitely not much
2	0	
3	2	
4	11	
5	6	Definitely more than I expected.



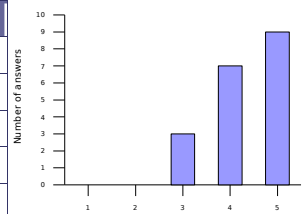
4 - I know where to look, and I believe I will be capable to recognize problems.

5 - Definitely!

3 - Much - I was a beginner

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

Rating	Answers	Description
1	0	Not useful.
2	0	
3	3	
4	7	
5	9	Very useful. Will make my job easier and more productive.

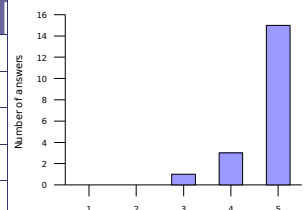


5 - Many things are clearer, which were enigmas to me

4 - In depends on the upcoming projects and my role in these

18. Would you recommend this course to others?

Rating	Answers	Description
1	0	No.
2	0	
3	1	
4	3	
5	15	Yes, definitely



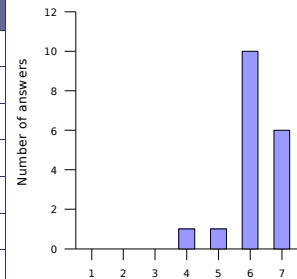
4 - Course needs to be longer

3 - Would modify the contents. Too many topics. Would recommended training by T.P. but change materials.



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	6	Excellent

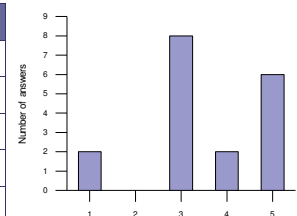


N/A

5 - Course needs to be longer

20. An extra session?

Rating	Answers	Description
1	2	No
2	0	
3	8	Why not?
4	2	
5	6	Yes, definitely



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

Free Electrons comments

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

- By skipping the least important details and leaving more time for practical labs
- By proposing another session that complements this one



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.