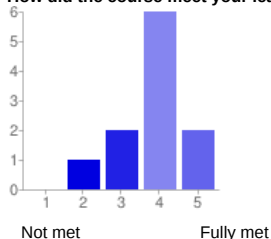


11 [responses](#)

Summary [See complete responses](#)

How did the course meet your learning objectives?

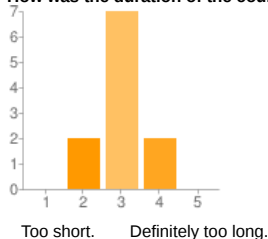


1 - Not met	0	0%
2	1	9%
3	2	18%
4	6	55%
5 - Fully met	2	18%

Comments and suggestions

I was expecting more kernel code deep dive and less driver specific stuff. The training was intersteing but in my day to day life it won't help me a lot. My objective was mostly to learn about Linux internals, not really the drivers. I think it was fully met, as showing the drivers helps to go deeply inside the kernel core while still being able to do labs, and so have a dynamic training.
 My objective was to learn more about the HW implications induced by an Operating System (in this case Linux), while he course was more focused on developping drivers alongside the Linux kernel. So there is no ...

How was the duration of the course?



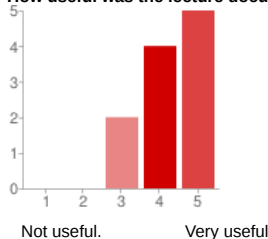
1 - Too short.	0	0%
2	2	18%
3	7	64%
4	2	18%
5 - Definitely too long.	0	0%

Comments and suggestions

4 days was a bit short. But we booked for only 4 days instead of 5 (typical/recommended duration)
 Very condensed training, which is was I appreciated.

I did not have the feeling to loose my time.

How useful was the lecture document?

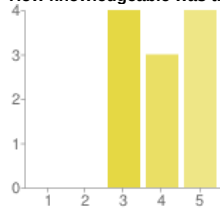


1 - Not useful.	0	0%
2	0	0%
3	2	18%
4	4	36%
5 - Very useful	5	45%

Comments and suggestions

Lecture and labs should be split into two separated documents: always switching pages was a bit painful. It was useful, but i could have been more useful by showing/comparing by example in parallel of the lecture. And open source (Freely available from the web). Need more practical and explained examples. Excellent material.

How knowledgeable was the instructor?



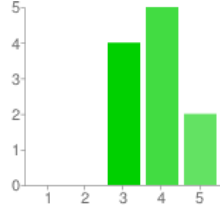
Not enough for me More than enough

1 - Not enough for me	0	0%
2	0	0%
3	4	36%
4	3	27%
5 - More than enough	4	36%

Comments and suggestions

Very nice and open to questions, he admit when it doesn't know responses (maybe too often the case), which is good. He was quite good, but I think he didn't know very well slides and exercise. Due to the fact that some question where not answered on the moment(during lecture), and correction sheet was needed to debug groups. But he managed to give us afterward answer to our question he couldn't answer on the moment. The instructor was ok about drivers and general kernel question but as the training was for ARM guys I was expecting more knowledge of the matches between kernel tasks and ARM arc ...

How much value did the instructor add to lecture materials?



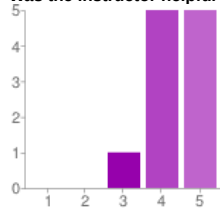
Not much added value A lot of added value

1 - Not much added value	0	0%
2	0	0%
3	4	36%
4	5	45%
5 - A lot of added value	2	18%

Suggestions and comments

He was often rephrasing the slide, I assume that's because the slides was quite fresh. I think it was good, the instructor added personal experience, personal facts, and historical events that made the kernel development like that, also he really encouraged us to propose our patches. Very good, even if the course was in english.

Was the instructor helpful with practical labs?



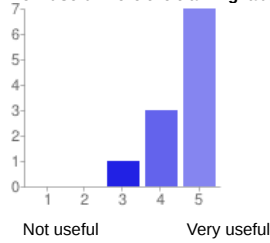
Not much Very helpful

1 - Not much	0	0%
2	0	0%
3	1	9%
4	5	45%
5 - Very helpful	5	45%

Comments and suggestions

Always available to help ! Yes for basics questions but I think he didn't mastered it,

How useful were the training labs?

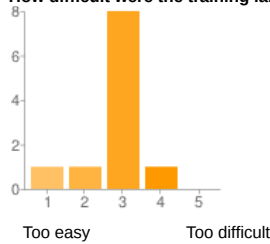


1 - Not useful	0	0%
2	0	0%
3	1	9%
4	3	27%
5 - Very useful	7	64%

Comments and suggestions

Not really easy/useful to implement something you was just spoken about. Labs where very good, but when didn't have enough times to do it, and go deep in the comprehension of it. very useful on the specific topic of kernel drivers but not really useful for my day to day work. They permit making a very dynamic training. We would sleep very quickly without the labs. Training labs probably too much directed. Labs a bit less directed but with more time to do them. This would be better to fully understand what we are doing. Currently we are able to complete most of the trainings without having fully u ...

How difficult were the training labs?

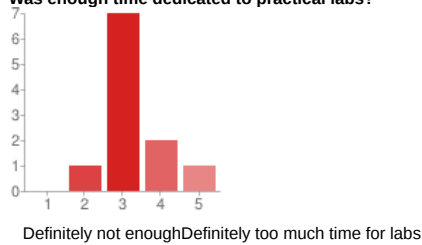


1 - Too easy	1	9%
2	1	9%
3	8	73%
4	1	9%
5 - Too difficult	0	0%

Comments and suggestions

Same thing Labs where just the right difficulty, increasing until the end of the training. A little problem for slow groups was the fact that labs have dependency on previous labs, and if those are not fully completed and understood that next lab is a bit foggy. But it's when it's hard that we learn things (the last one was quite complete). I found them well balanced for my beginner level. Some parts were just copying text from labs instructions to our editor, some others were a bit too difficult (special tip around making private data visible for example). Interesting, short, and permit to put th ...

Was enough time dedicated to practical labs?

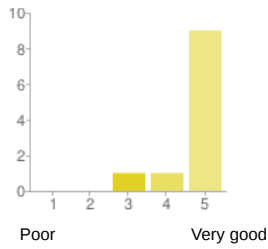


1 - Definitely not enough	0	0%
2	1	9%
3	7	64%
4	2	18%
5 - Definitely too much time for labs	1	9%

Comments and suggestions

Same thing Would have preferred more times on lab than on lectures. Maybe a bit too much time compared to going into more details on "why" things were implemented that way.

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

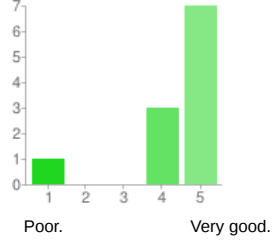


1 - Poor	0	0%
2	0	0%
3	1	9%
4	1	9%
5 - Very good	9	82%

Comments and suggestions

* Beagle board is a great example for installing Linux. * The nunchuk add interest and fun to the lab => To bad to not have a little App so as to use the input file at the end of the lab(would add a bit of fun for people that finish the lab early) * Slides of the lecture and from the labs have hidden characters that made it not copy paste'able in code... You should add a summary of command line/ code snippets in a plain text file, that would save use a lot of useless copying time. * Room size was okay, and environment too.

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

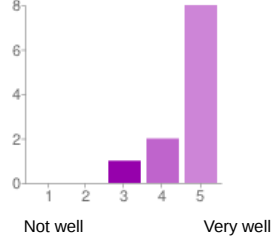


1 - Poor.	1	9%
2	0	0%
3	0	0%
4	3	27%
5 - Very good.	7	64%

Comments and suggestions

Unity sucks... Good Ubuntu facilitate installation of tools, but unity is really painful and should be avoided for futur training

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

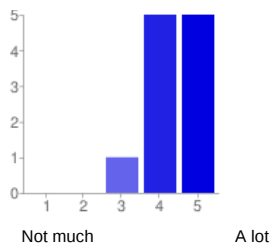


1 - Not well	0	0%
2	0	0%
3	1	9%
4	2	18%
5 - Very well	8	73%

Comments and suggestions

Schedule was good, perhaps we could have stay a bit longer the afternoon, but I guess for the other points I didn't managed it myself. The original training was on 5 days. Because we have enough initial knowledge (using linux, CPU hardware...), shortening it on 4 days was the best to do. We already sent feedback to the trainer that it would be even more useful for us to add some modules about more linux internal parts: memory management, scheduling, etc.

How much did you learn?

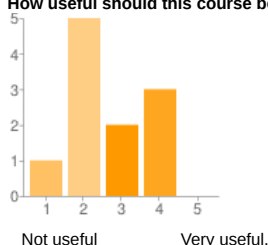


1 - Not much	0	0%
2	0	0%
3	1	9%
4	5	45%
5 - A lot	5	45%

Comments and suggestions

I learned a lot and I loved it. A lot but on a very restricted domain (kernel drivers) I would have expect more general lecture around what kernel does exactly. I learned quite a lot especially about Linux sources: where to find the code, how to look for a specific function, how it is organized.

How useful should this course be in your daily job?



1 - Not useful	1	9%
2	5	45%
3	2	18%
4	3	27%
5 - Very useful.	0	0%

Comments and suggestions

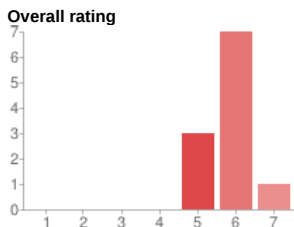
As I'm design engineer the last part of the training ('scheduling') was quite interesting and can be useful for kernel deep comprehension and mechanism that are involved above the processor. This course will not be very useful in a sense that I am not developing drivers in my daily job however understanding how the Linux kernel works helps to understand what features we should improve in a CPU design. It was known that it would not be immediately useful. Anyway, I will certainly use it to compile a new kernel when required, or to look at specific functions.

What part(s) of the course did you like most?

Definitively, Labs were the most interesting parts, Writing a driver for the Nintendo Nunchuk. Memory management Basic introduction to drivers

What part(s) of the course did you like least?

Not really one in particular, but some lectures were difficult to follows, a second windows with code example should be used to practically explain lecture. how to submit patches to Linus Torvald Some modules in the last day were not very useful: Linux on ARM, debugging Linux and could be replaced by internals of Linux. Anyway the instructor went very quickly on these modules. Frameworks



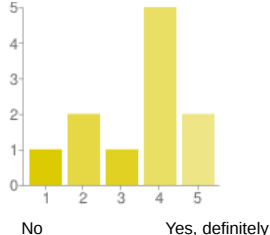
1 - Very disappointing	0	0%
2	0	0%
3	0	0%
4	0	0%
5	3	27%
6	7	64%
7 - Excellent	1	9%

Very disappointing Excellent

Comments and suggestions

some typo nunchuk -> nunchuck. Great support, great labs, great instructor, great subject, great example

An extra session?

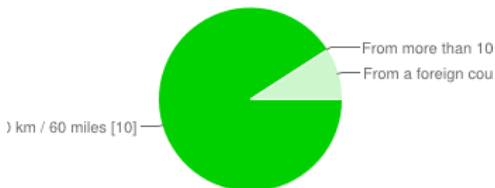


1 - No	1	9%
2	2	18%
3	1	9%
4	5	45%
5 - Yes, definitely	2	18%

Comments

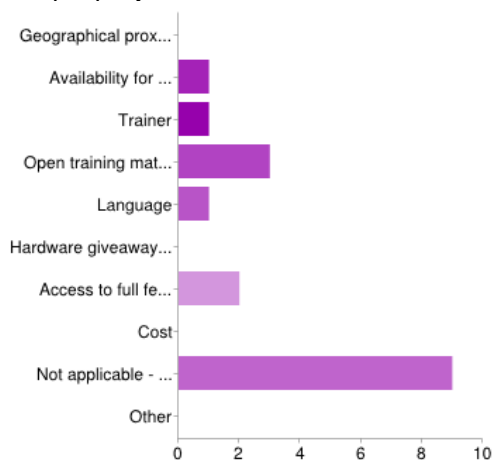
Assimilate what has been done so far in the training before another one ! No need, only training and practice on my own is now required to enhance. Boot sequence description, link with ARM ASM code, indications of what to optimize in hardware to help the OS It's enough for the moment. I'd like something more involved regarding kernel internals and driver development. Very good material, excellent labs, a lot of fun and profit. A session on the kernel itself, on the run time environment, on the memory management, scheduler, etc...

How far do you come from?



From less than 100 km / 60 miles	10	91%
From more than 100 km / 60 miles, same country	0	0%
From a foreign country	1	9%

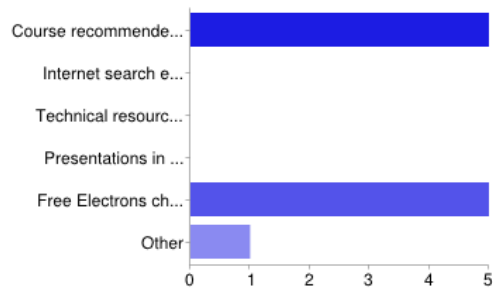
What prompted you to choose Free Electrons?



Geographical proximity (public sessions only)	0	0%
Availability for on-site sessions	1	9%
Trainer	1	9%
Open training materials that can be checked in advance	3	27%
Language	1	9%
Hardware giveaway (public sessions only)	0	0%
Access to full feedback from participants to previous sessions	2	18%
Cost	0	0%
Not applicable - My management made the decision	9	82%
Other	0	0%

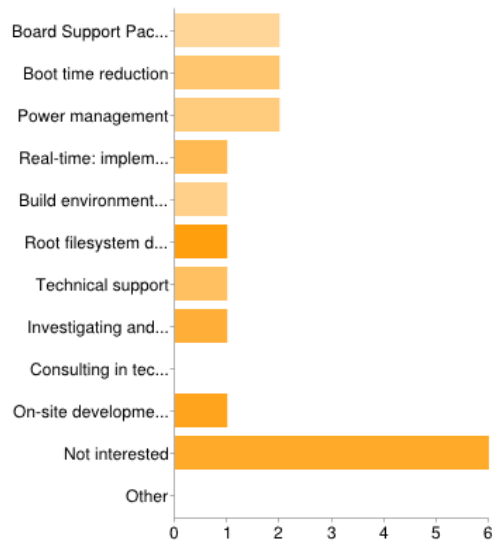
People may select more than one checkbox, so percentages may add up to more than 100%.

How did you first learn about Free Electrons?



Course recommended by previous participants	5	45%
Internet search engines	0	0%
Technical resources on the Free Electrons website	0	0%
Presentations in conferences	0	0%
Free Electrons chosen by my management	5	45%
Other	1	9%

Interested in other types of embedded Linux / Android engineering services?



Board Support Package development: make Linux / Android support your new hardware	2
Boot time reduction	2
Power management	2
Real-time: implementation and bug fixing	1
Build environment deployment and support	1
Root filesystem design and development	1
Technical support	1
Investigating and fixing bugs	1
Consulting in technology selection and methodology	0
On-site development, support and consulting services	1
Not interested	6
Other	0

People may select more than one checkbox, so percentages may add up to more than 100%.

Comments and expectations

Thank you Free-Electrons ! I just suggest to separate lecture and labs into two different documents, which would make doc search during labs easier

Number of daily responses

