

Minutes of the 11th Meeting of the seL4 Board

2023-09-28 23:00 to 2023-09-29 00:20 UTC

virtual (on Zoom)

Members present

- Gernot Heiser (GH) – Chair
- David Hardin (DH)
- Mai Lie (ML) for Feng Zhou, Horizon
- Gerwin Klein (GK)
- June Andronick (JA)
- Qiyang Wang (QW)

Members absent

- Matthew Grosvenor (MC)

The meeting commenced at 23:04 on 2023-09-28 UTC.

1. Confirmation of minutes of previous meeting

RESOLVED: Draft minutes of 9th meeting, of 2022-10-13, are confirmed

RESOLVED: Draft minutes of 10th meeting, of 2023-04-26 to 2023-05-02, are confirmed

2. Matters arising from minutes of previous meetings

No outstanding action items

3. For noting

- (a) Election of General Members Board representative returned David Hardin from Raytheon Technologies uncontested.

4. Election of Officers

- (a) **GH was unanimously elected Chairman**
- (b) **JA was unanimously elected Treasurer**

5. Board committees and membership:

RESOLVED: The Board committees continue as follows:

- Compliance Committee (CC)

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- Members: GH, JA, GK
- Outreach Committee (OC)
 - Members: GH, JA, DH
- Marketing Committee (MC)
 - Members: GH, JA

The Outreach Committee may co-opt members from the Foundation membership as appropriate.

6. **Chair's update and matters arising**

GH to update on recent developments, including:

- 5th seL4 Summit in Minneapolis
- Membership development
- Community engagement
- Success of Collins-led bid with Proofcraft and UNSW in the DARPA PROVERS program, continues strong support by DARPA for the seL4 ecosystem.

7. **CEO's update and matters arising**

JA's report, circulated with the Agenda, was discussed.

8. **Update from TSC Chair and matters arising**

GK provided an update on recent developments, including

- Support for using the Rust language on top of seL4, developed by Nick Spinale and funded by the Foundation, was adopted.
- The seL4 Microkit, an SDK and simplified seL4 abstraction developed by UNSW with the aim to simplify building seL4-based IoT and cyberphysical systems, was adopted.
- Plans for the next seL4 release.

9. **Budget**

JA presented the revised 2023 budget, updated to reflect likely underspending, and the proposed 2024 budget.

RESOLVED: The 2023 (revised) and 2024 budget is approved as proposed.

10. **Future meetings**

The next meeting is expected to be called after the next Board elections, likely around May 2024.

11. **AOB**

- There was a discussion of potential additional membership benefits to help in attracting more members. This will be discussed by the OC.
- There was a discussion about the possibility of reviving the kernel's WCET analysis for modern processors.

The meeting closed at 00:20 on 2023-09-29 UTC.

ACTION SUMMARY

No pending actions

Meeting Attendance

Current financial year, starting 2023-01-01:

| Name | Eligible | Attended |
|-------------------|----------|----------|
| Gernot Heiser | 2 | 2 |
| June Andronick | 2 | 2 |
| Matthew Grosvenor | 2 | 1 |
| David Hardin | 2 | 2 |
| Gerwin Klein | 2 | 2 |
| Qiyang Wang | 2 | 2 |
| Feng Zhou | 2 | 1 |

Acronyms

TS The Trustworthy Systems research group at UNSW Sydney

LF The Linux[®] Foundation

TSC The Technical Steering Committee of the seL4 Foundation

CC The Compliance Committee of the seL4 Foundation

OC The Outreach Committee of the seL4 Foundation

MC The Marketing Committee of the seL4 Foundation

ATTACHMENTS: Budget on next page

| Budget - BM 2023-09-29 | | | | |
|---|-----------------------------|--------------|----------------------------------|---|
| | 2023 | | | 2024 |
| Income: | | | | |
| Carry-over (confirmed) | | | \$ 324,511 | |
| Carry-over (forecast) | | | | \$ 219,436 |
| Membership confirmed as of 2023-08-23 | | | | |
| Membership invoiced but pending payment as of 2023-08-23 | | | \$ 151,363 | |
| Membership to be invoiced later | | | | \$ 383,110 |
| Forecast revenue membership 2023 - Total | | | \$ 314,026 | |
| Forecast revenue from Summit23 | | | \$ 70,000 | \$ 75,000 |
| Total forecast revenue 2023 | | | \$ 384,026 | \$ 458,110 |
| Total available now | | | | |
| | | | \$ 475,874 | |
| Additional available forecast | | | | |
| | | | \$ 223,563 | |
| Forecast total available | | | \$ 699,436 | \$ 677,546 |
| Expenses: | | | | |
| | <u>Last Approved Budget</u> | <u>Spent</u> | <u>New Budget to be Approved</u> | <u>Budget to be approved (to be spent as revenue get confirmed)</u> |
| Legal: | | | | |
| Legal (TM) | \$ 10,000 | \$ 454 | \$ 2,000 | \$ 3,000 |
| IT & Infrastructure: | | | | |
| IT (Mail hosting, server hosting) | \$ 1,000 | \$ 461 | \$ 11,000 | \$ 16,000 |
| Hardware (boards and native web server) | \$ 7,000 | \$ - | \$ 7,000 | \$ 7,000 |
| Infrastructure support | \$ 35,000 | \$ 4,290 | \$ 35,000 | \$ 38,500 [1] |
| Events: | | | | |
| seL4 Summit 2023 | \$ 120,000 | | \$ 100,000 | \$ 150,000 |
| Leadership and Coordination: | | | | |
| CEO | \$ 40,000 | \$ 16,499 | \$ 40,000 | \$ 44,000 [2] |
| Admin- Project coordinator | \$ 35,000 | \$ 17,811 | \$ 35,000 | \$ 77,000 [1] |
| Buffer | \$ 10,000 | \$ - | \$ 10,000 | \$ 11,000 [1][2] |
| Travel | \$ 5,000 | \$ - | \$ - | [1][2] |
| Systems & Community: | | | | |
| Contract for Systems and Community Support (Rust) | \$ 110,000 | \$ 48,120 | \$ 110,000 | \$ 120,000 |
| Contract for Systems and Community Support (Tests, PRs, etc) | \$ 100,000 | \$ - | \$ 100,000 | \$ 150,000 |
| Strategic projects | | | | |
| Next roadmap items (verification or system) | \$ 25,000 | \$ - | \$ - | |
| Automated tests for verification platforms | \$ 25,000 | \$ - | \$ 25,000 | [2,3] |
| Other: | | | | |
| Contingency | \$ 5,000 | \$ - | \$ 5,000 | \$ 5,000 |
| Marketing | \$ 10,000 | \$ - | \$ - | [2] |
| Totals: | | | | |
| Total expenses | \$ 538,000 | \$ 87,634 | \$ 480,000 | \$ 621,500 |
| Confirmed Balance (carry-over) | | | \$ (4,126) | |
| Forecast Balance (carry-over) | | | \$ 219,436 | \$ 56,046 |
| [1] Gernot is conflicted as this item would be contracted to UNSW | | | | |
| [2] June is conflicted as this item would be contracted to June or Proofcraft | | | | |
| [3] Gerwin is conflicted as this item would be contracted to Proofcraft | | | | |