Technical Advisory Council (TAC) Meeting

August 26, 2021

The Confidential Computing Consortium

A community focused on open source licensed projects securing DATA IN USE & accelerating the adoption of confidential computing through open collaboration

Every member is welcome; every project meeting our criteria is welcome.
We are a transparent, collaborative community.

We as members, contributors, and leaders pledge to make participation in our community a harassment-free experience for everyone.

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Agenda

1. Welcome, Roll call
2. Approval of minutes
3. Action item review
4. Upcoming events (LPC, OSSNA)
5. Updates from Outreach committee
6. Updates from CCC Attestation SIG
7. Diversity, Civility, & Inclusion policies (PR #83)
8. Establishing common terminology (issue #79)
9. Any other business

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Roll Call of TAC Voting Representatives

Quorum requires **5** or more voting reps:

Member	**Representative**	**Email**
Accenture	Giuseppe Giordano	giuseppe.giordano@accenture.com
Ant Group	Zongmin Gu	zongmin.gzm@antgroup.com
ARM	Thomas Fossati / Michael	thomas.fossati@arm.com
Facebook	Eric Northup / Shankaran	digitaleric@fb.com
Google	Iulia Ion	iuliaion@google.com
Huawei	Zhipeng (Howard) Huang	huangzhipeng@huawei.com
Intel	Dan Middleton / Simon	dan.middleton@intel.com
Microsoft	Dave Thaler(*)	dthaler@microsoft.com
Red Hat/IBM	Lily Sturmann / Dimitrios	lsturman@redhat.com

**TAC chair*

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2. Approval of TAC Minutes from July 1 telechat

https://lists.confidentialcomputing.io/g/main/files/TAC/Meetings/2021/07-Jul/CCC%20TAC%20Minutes%202021-07-01.pdf

RESOLVED: That the minutes of the July 1, 2021 meeting of the Technical Advisory Council meeting of the Confidential Computing Consortium as distributed to the members of the TAC in advance of this meeting are hereby adopted and approved.

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Approval of TAC Minutes from July 15 telechat

https://lists.confidentialcomputing.io/g/main/files/TAC/Meetings/2021/07-Jul/CCC%20TAC%20Minutes%202021-07-15.pdf

RESOLVED: That the minutes of the July 15, 2021 meeting of the Technical Advisory Council meeting of the Confidential Computing Consortium as distributed to the members of the TAC in advance of this meeting are hereby adopted and approved.

3. Action Item Review (1/2)

1. [Stephano] Process for doi assignment for whitepapers and CCC projects if they want one for a doc
2. [Mike, Simon, Stephen, Zongmin, Grant] Please take one of the trainings listed here with a view towards value for our projects
    - https://training.linuxfoundation.org/training/inclusive-open-source-communityorientation-lfc102/
    - https://training.linuxfoundation.org/training/inclusive-speaker-orientation/
3. [Stephano] Look into any LF generated documentation around diversity and inclusion in general “style / inclusive writing guides”
    - https://developers.google.com/style/inclusive-documentation
    - https://docs.microsoft.com/en-us/style-guide/bias-free-communication
4. [Aeva] Reach out to Kata Containers about potential speaking opportunity.
    - https://github.com/kata-containers/kata-containers/issues/1332
5. [Stephen] Chat with LF legal counsel to inform the process in place to establish a Vulnerability Management Team
6. [Stephano/Ashley] Reach out to project mentors to confirm potential security contacts for each current and upcoming project

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3. Action Item Review (2/2)

7. [Ashley] Between TAC meetings, check to see if any new webinar follow-up questions have been marked “green” in the title. If so, add those to the website
8. [Ben] Identify the TAM study discussed in the meeting in reference to maybe market metrics.
9. [Project Mentors] Recommend diversity and inclusion trainings to their projects and report back to the TAC on whether the maintainers or the contributors will be taking it and when the expected completion date is.
10. [Dan] Identify the training recommendation in the correct governance document and create pull request in GitHub.
11. [Ashley] Add to the outreach agenda discussion topic on inclusive orientation for webinar speakers.
12. [Ashley] Identify link for the White Paper Google doc for updates and share with Thomas to provide suggested change.
13. [Thomas] Suggest changes on the White Paper once Ashley has shared Google doc.
14. [Dave/Thomas] Review and update comments on GitHub issue #79.
15. [Ashley] Find Eric Voit’s GitHub id, invite to CCC and assign to issue #79.

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Project	Proposed by	TAC Approved	Tech. Charter	IP Assigned	Board Presentation	Board Approved	Annual Review	Mentor	Webinar
Enarx	Red Hat	31 OCT 2019	Yes	Yes	31 OCT 2019	Yes	14 JAN 2021	Mike Bursell	JAN 2021
OE SDK	Microsoft	31 OCT 2019	Yes	Yes	31 OCT 2019	Yes	12 NOV 2020	Dave Thaler	MAR 2021
SGX SDK for Linux	Intel	31 OCT 2019			31 OCT 2019			(Simon Johnson)	
TCF	Intel	28 MAY 2020							
Gramine	UNC Chapel Hill	2 APR 2020	Yes						FEB 2021
Keystone	UC Berkeley	23 JUL 2020	Yes	Yes	24 JUN 2021	MAR 2021		Stephen	JUN 2021
Occlum	Ant Financial	20 AUG 2020	Yes	Yes	10 SEP 2020	Vote imminent		(Zongmin)	MAY 2021
Veracruz	Arm	3 SEP 2020	Yes	Yes	19 NOV 2020	14 APR 2021		Grant & Mike	APR 2021
CCC-Attestation	TAC	Yes	Yes	N/A	18 MAR 2021	18 MAR 2021		Dan & Aeva	(Veraison – OCT?)

4. LPC Confidential Computing Microconference

- Linux Plumbers Conference 2021, Sept. 20-24, fully virtual

Confidential Computing MC

CFP Ends: TBD

The Confidential Computing microconference focuses on solutions to the development of using the state of the art encyption technologies for live encryption of data, and how to utilize the technologies from AMD (SEV), Intel (TDX), s390 and ARM Secure Virtualization for secure computation of VMs, containers and more.

Suggested Topics:

- Live Migration of Confidential VMs
- Lazy Memory Validation
- APIC emulation/interrupt management
- Debug Support for Confidential VMs
- Required Memory Management changes for memory validation
- Safe Kernel entry for TDX and SEV exceptions
- Requirements for Confidential Containers
- Trusted Device Drivers Framework and driver fuzzing
- Remote Attestation

For more references, see:

- AMD Secure Encrypted virtualzation
- Intel Trusted Domain Extensions
- ARMv9 Secure Virtualization

If you are interested in participating in this microconference and have topics to propose, please use the CfP process, and select "Confidential Computing MC" for the "Track". More topics will be added based on CfP for this microconference.

MC lead:

- Joerg Roedel <joro@8bytes.org>

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Open Source Summit North America, Sept. 27-30

- Who will be at TAC meeting in person vs virtual?
- Any projects participating?
- Coordinated presence in kernel track regarding host-to-guest threat model?
  - https://github.com/confidential-computing/governance/issues/71
  - Do we need a technical whitepaper on the topic?

5. Updates from Outreach Committee

- Upcoming webinar topic ideas:
  - Veraison
  - IETF Remote Attestation Architecture
  - …
- Status of Everest report

6. Updates from CCC Attestation SIG

- Proposed change of chair from Aeva to Larry Osterman

7. Diversity, Civility, & Inclusion policies

Add/update diversity and inclusion policies

- https://github.com/confidential-computing/governance/pull/83

Establishing common terminology (issue #79)

Github Issue:

- https://github.com/confidential-computing/governance/issues/79

Doc in progress:

- https://docs.google.com/document/d/1xZ6IX0w0jaWDbLMFNAybTF3FpLnQ5TJ98nzIWbsbFnY/edit#

8. Any other business