

# Technical Advisory Council (TAC) Meeting

*December 16, 2021*



CONFIDENTIAL COMPUTING  
CONSORTIUM

# 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, Introduce any first-time attendees
2. Approval of minutes
3. Action item review
4. Updates from Outreach Committee
5. Common Terminology (starting ~30 mins in)
6. Approving Hardware Requests
7. Any other business

# Roll Call, and Introductions

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

<u>Member</u>	<u>Representative</u>	<u>Email</u>
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*

## 2. Approval of TAC Minutes from Nov. 4 telechat

<https://lists.confidentialcomputing.io/g/main/files/TAC/Meetings/2021/12-Dec/TAC%20Minutes%202021-02-12.pdf>

### **RESOLVED:**

That the minutes of the Nov. 18, 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. [Mike, Eric, Stephen, Zongmin, Grant/Mike, Dan/Aeva] 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.
2. [Dave] Coordinate with organizer from LPC microconference about linux-collab list.
3. [VMT Subteam] Meet with Stephen to identify the process for establishing VMT.
4. [Dan] Provide contact for Rust Hypervisor firmware.
5. [ALL] Review, comment and/or correct text in Common Terminology Document [ON AGENDA]
6. [Ashley] Add recording link to the bottom of the minutes moving forward.
7. [Ashley] Add new Occlum dependencies to spreadsheet  
<https://docs.google.com/spreadsheets/d/1UKnbbGWXYLjnPZsox3zmYo59nv3XSXjePfas5E2fER0/edit#gid=0>

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	Yes	(Nov 2021?)	15 SEP 2021	4 NOV 2021	Eric V	FEB 2021 (DEC 2021?)
Keystone	UC Berkeley	23 JUL 2020	Yes	Yes	24 JUN 2021	MAR 2021	(13 JAN 2022?)	Stephen	JUN 2021
Occlum	Ant Financial	20 AUG 2020	Yes	Yes	10 SEP 2020	15 SEP 2021	2 DEC 2021	Zongmin	MAY 2021
Veracruz	Arm	3 SEP 2020	Yes	Yes	19 NOV 2020	14 APR 2021	18 NOV 2021	Grant & Mike	APR 2021
CCC-Attestation	TAC	Yes	Yes	N/A	18 MAR 2021	18 MAR 2021		Dan & Aeva	Veraison – NOV 2021



## 4. Updates from Outreach Committee

## 5. 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#>

Anjuna glossary slides from last meeting:

- <https://lists.confidentialcomputing.io/g/main/files/TAC/Meetings/2021/11-Nov/AnjunaDefinitions.pdf>

## 6. Approving Hardware Requests

- Already approved policy for hw requests
- We have our first request now, for project-specific HW, so need to discuss execution procedure:
  - How does a project ask for fund approval (Enarx precedent: email to tac)
  - How does a project pay for it
    - A) Order and ask for reimbursement?
    - B) Ask TAC to place the order to be delivered to a project contact?
- Next steps on cross-project test infrastructure?

## 7. Any other business

<b>Date</b>	<b>CCC Project Review</b>	<b>TAC Tech Talk</b>
13 JAN 2021	Keystone annual review	Homomorphic Encryption – Rosario Cammarota
27 JAN 2021	Veraison new project submission	OP-TEE - Julian Hall
10 FEB 2021		

# List of suggested future topics

- TCG past work on CC – Henk Birkholz (invited, date TBD)
- Results of Outreachy program – Nick
- Rust Hypervisor firmware: <https://github.com/cloud-hypervisor/rust-hypervisor-firmware> - Dan to provide contact
- IETF Trusted Execution Environment Provisioning (TEEP) work – Dave
- Logging and error reporting in confidential computing – Mike B.
- Confidential computing from the perspective of the network – Penglin & Eric V.
- DARPA Data Protection in Open Environments (DPRIVE) – Dan contacted