

We are pleased to announce the Call for Participation for the
FOSSY 2023 AArch64/ARM64 Dev Room

Important Dates =====

18 May Submission deadline
19 June Announcement of selected talks
13-16 July Conference dates

About the Dev Room =====

The goal of the AArch64/ARM64 dev room is to introduce the open source developers, architects, dev-ops, and other interested parties to the AArch64/ARM64 architecture and then help them along their journey from discovery, to learning about what is needed to use it, who is using and how they can get started.

Suggested Topics =====

Since most developers are familiar with ARM64 with their home projects using a Raspberry Pi or using a Mac at work yet they have never thought of moving on from their legacy x86 servers in the cloud. We created this dev room to give developers the information that they need to make the switch to a modern cloud architecture that is ready to handle all of their cloud loads.

To give the dev room some structure, we turned it into a journey of discovery. Below are some suggested topics, please feel free to suggest your own.

Typical talks might include:

Discovery (What is it)-

- What is AArch64/ARM? From postage stamp size boards to Data Centers
- Firmware- You are free from vendors from the Silicon on Up
- Single Core CPUs vs. vCPUs
- What runs well on Arm Servers?

Learning (Why use them?)

- Performance
 - o How do languages perform? (Java, Go, Python, ...)
 - o AArch64 vs. x86 in cloud workloads
- Compiling Natively- what are the advantages?

- Tools, CI/CD- is it different?
- Compute density- cores/CPUs, CPUs/server, Server/Rack, Rack/DC
 - o Why does Compute density matter?
- Talks from the data center, how running AArch64 differs?

Peers – (Who is using AArch64/ARM64 servers today?)

- What Open Source projects are using AArch64?
- What are the first adapters experience?
- I run Linux XYZ, does the architecture matter to me?

Using (How to get started?)

- Open Source Labs- What do they offer Open Source projects?
- How to get started at the various Public Clouds
- What can I test on? What options are out there besides a Raspberry Pi?

Call to Action- “How to convince management to migrate?”

- New terms Performance/Watt, Performance/Rack- why these matter
- Data Centers vs. Housing- how AArch64 can help.
- Why your management will want to switch.
- How to figure out your Carbon footprint for your cloud applications

Talks should be aimed at a technical audience but should not assume that attendees are familiar hardware architectures.

Proposals

=====

Proposals should be made through the FOSSY submission tool [1]. You will need to create an account if you not already have one.

[1] <https://2023.fossy.us/dashboard/>

This will take you to your dashboard. Under New Proposal, select “AArch64/ARM64 Servers and Open Source - The Who, What, Why, and How”

The deadline for submissions is May 19th. If you have any questions, please let us know via our Community Forum [2], just tag it with FOSSY.

[2] <https://bit.ly/ampComm>

Steering Committee

=====

Aaron Williams
 Bruno Verachten
 Dave Neary
 Ed Vielmetti

Lance Albertson
Peter Pouliot
Thilo Fromm

Code of Conduct

=====

[FOSSY Code of Conduct]:

We'd like to remind all speakers and attendees that all the presentations and discussions in our devroom are held under the guidelines set in the CoC and we expect attendees, speakers, and volunteers to follow the CoC at all times.

If you submit a proposal and it is accepted, you will be required to confirm that you accept the FOSSY CoC. If you have any questions about the CoC or wish to have one of the dev room organizers review your presentation slides or any other content for CoC compliance, please email us and we will do our best to assist you.

[FOSSY Code of Conduct] <https://2023.fossy.us/attend/code-of-conduct/>