



OST

Eastern Switzerland
University of Applied Sciences

Distributed Systems & Blockchain (DS1)

In the News

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21 February 2021

Distributed Systems & Blockchain in the News

- 04.01.2021: [New year, new rant: Linus Torvalds rails at Intel for 'killing' the ECC industry](#)

- Linus Torvalds accused Intel of preventing widespread use of ECC memory
- In this lecture, we will see what ECC is and if it is important
- Intel consumer HW does not support ECC
- AMD with Ryzen supports ECC
- Good news: DDR5 looks like it will support ECC by default [[source](#)]

Ryzen 9 5000 series processor

By: **Linus Torvalds** (torvalds.delete@this.linux-foundation.org), January 2, 2021 12:21 pm Room: [Moderated Discussion](#)
Jukka Larja (roskakori2006.delete@this.gmail.com) on January 1, 2021 10:28 pm wrote:
>
> So yeah, I do very much agree AMD has superior offering. ECC doesn't really matter here though.

ECC absolutely matters.

ECC availability matters a lot - exactly because Intel has been instrumental in killing the whole ECC industry with it's horribly bad market segmentation.

<https://www.realworldtech.com/forum/?threadid=198497&curpostid=198647>

“We have decades of odd random kernel oopses that could never be explained and were likely due to bad memory”

<https://www.realworldtech.com/forum/?threadid=198497&curpostid=198647>

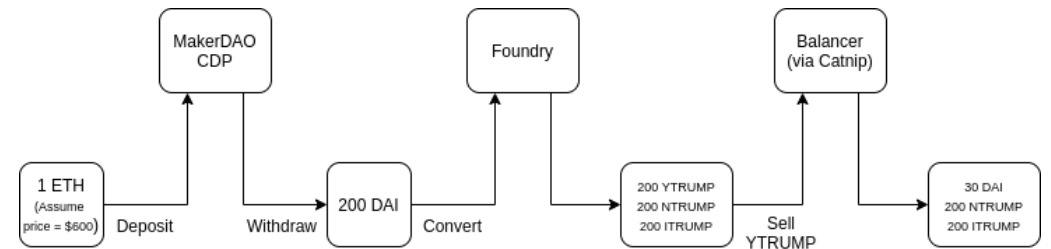
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- 26.01.2021: [Postgres Scaling Advice for 2021](#)

- “My advice here, having seen dozens of hopelessly over-engineered / oversized solutions as a database consultant over the last 5 years, is short and blunt: Don’t overthink, and keep it simple on the database side!”
- “All distributed systems are inherently complex, and difficult to get right”
- Machines are fast: pgbench, 3 updates, 1 insert, 1 select - on a 6 core machine with NVMe SSD ~ 45k TPS

- 18.02.2021: [Prediction Markets: Tales from the Election](#) (Vitalik Buterin, co-creator of Ethereum)

- “I decided to make an experiment on the blockchain that I helped to create”
- He bought tokens on the Augur prediction market for \$2000, made profit of \$56k. He was betting that Trump would loose, **after** Trump lost.



- “I had at first tried buying NTRUMP on Augur, but technical glitches in the user interface prevented me from being able to make orders on Augur directly”