

The forefront of the development for NVDIMM on Linux Kernel

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NVDIMM (Non Volatile DIMM) is the most interesting device, because it has not only characteristic of memory but also storage.

To support NVDIMM, Linux kernel provides three access methods for users.

- Storage (Sector) mode
- Filesystem DAX(=Direct Access) mode
- Device DAX mode.

In the above three methods, Filesystem DAX is the most expected access method, because applications can write data to the NVDIMM area directory, and it is easier to use than Device DAX mode.

So, some software already uses it with official support.

However, Filesystem-DAX is still “experimental status” in the upstream community due to some difficult issues

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In this session, Yasunori Goto will talk to the forefront of the development of NVDIMM, and Ruan Shiyang will talk about his challenge with the latest status from Open Source Summit Japan 2020.

I agree to abide by the anti-harassment policy

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