Session Program

Sep 18 – 20, 2024

Linux Plumbers Conference 2024

Kernel Memory Management MC

Fri, September 20

3:00 PM

Kernel Memory Management MC

Session | **Location:** Austria Center, "Hall L1"

3:00 – 3:15 PM

Memory Allocation Profiling deployment results and future improvements

Speakers
Suren Baghdasaryan, Pasha Tatashin, Sourav Panda

3:15 – 3:30 PM

Towards Better Memory Allocation for Device Drivers

Speaker
Petr Tesařík

3:30 – 3:45 PM

DAMON: Long-term Plans for Kernel That {Just Works,Extensible}

Speaker
SeongJae Park

3:45 – 4:00 PM

Poison & remedy of vmas instead of guards

Speakers
Liam Howlett, Lorenzo Stoakes

4:00 – 4:15 PM

Madvise lazy free

Speaker
Rik van Riel

4:15 – 4:30 PM

Transitioning get_user_pages (GUP) to folio based mapping

Speaker
Kundan Kumar

4:30 – 5:00 PM

Break

5:00 – 5:15 PM

Ongoing Challenges of Large Page Sizes

Speakers
Juan Yescas, Kalesh Singh

5:15 – 5:30 PM

mTHP and swap allocator

Speakers
Chris Li, Kairui Song

5:30 – 5:45 PM

mTHP swap-out and swap-in

Speakers
Barry Song, Mr Chuanhua Han, Mr Tangquan Zheng

5:45 – 6:00 PM

Multi-Gen LRU updates

Speakers
Axel Rasmussen, Guru Anbalagane, Wei Xu, Yuanchu Xie

6:00 – 6:15 PM **TAO: THP Allocator Optimizations**

Speaker
Yu Zhao

6:15 – 6:30 PM **Policy zones: memory partitioning for fun and profit**

Speaker
Yu Zhao

6:30 PM