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# Live Migration of Confidential VMs

*Tuesday 21 September 2021 07:30 (30 minutes)*

Discussion on Live Migration of AMD SEV encrypted VMs.

Link to the latest posted (KVM) patch for SEV live migration :
https://lore.kernel.org/lkml/cover.1623174621.git.ashish.kalra@amd.com/

Discussions on Guest APIs, specifically if the APIs can cover both AMD SEV and Intel TDX platforms and exploring common interfaces which can be re-used for both the above platforms, for example, exploring a common hypercall API interface, with reference to the posted KVM patch-set.

Link to related discussion on the same topic:
https://lore.kernel.org/lkml/YJv5bjd0xThIahaa@google.com/

SEV Live Migration Acceleration uses an alternative migration approach relying on a Migration Helper (MH) running in guest context. The fast migration for encrypted virtual machines typically use a Migration Handler that lives in OVMF.

As part of this microconference, we can have additional discussions on the design and development of the MH, especially, the suggested approach to use KVM/Qemu Mirror VM concept to run the MH in a Mirror VM/vCPU which runs in parallel to the primary encrypted VM in the same Qemu process context.

Links to posting for the above on KVM and Qemu development lists : https://lore.kernel.org/lkml/SN6PR12MB276727DE9AFD387B11C404418E3E9@SN6PR12MB2767.namprd12.prod.outlook.com/

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