

OpenNebula - Backlog #3042

Hugepage backed memory support

07/15/2014 03:51 AM - ☐ ☐ ☐

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|------------------------|---------------|------------------------|------------|
| Status: | Pending | Start date: | 07/15/2014 |
| Priority: | High | Due date: | |
| Assignee: | | % Done: | 0% |
| Category: | Core & System | Estimated time: | 0.00 hour |
| Target version: | Release 5.6 | | |

Description

The memory page size of your system influences the overhead of virtual to physical memory translations, increasing your memory page size would reduce this overhead. HugePages is a feature that makes it possible for the operating system support memory pages larger than the default 4KB, assuming HW support. Hugepage support can deliver a significant improvement in memory access throughput, especially in memory intensive and database workloads.

This feature enables libvirt configure virtual machines to use hugepage backed memory.

This feature can be used Intel DPDK vSwitch and NFV workloads.

History

#1 - 07/15/2014 09:52 AM - Ruben S. Montero

- Tracker changed from Feature to Backlog
- Subject changed from hugepage backed memory support to Hugepage backed memory support
- Category set to Core & System

moving to backlog for the next release. This issue will expose the memory attributes to the guest as described here:

<http://libvirt.org/formatdomain.html#elementsMemoryBacking>

#2 - 07/12/2017 03:59 PM - Ruben S. Montero

- Target version set to Release 5.6