

Management Information Base for Virtual Machines Controlled by a Hypervisor

<draft-ietf-opsawg-vmm-mib-00>

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VM-MIB: MIB objects related to virtual machines controlled by a hypervisor

- Objects
 - Hypervisor software information
 - Virtual machine list (info, config and stats)
 - Virtual resources (info, config, and stats) allocated to each virtual machine
 - Virtual CPU, Virtual memory, Virtual storage, Virtual network interface
- VMM-MIB objects are managed at a hypervisor
 - e.g., An SNMP agent implementing VMM-MIB is to be installed in a hypervisor, not in each virtual machine.

History of this draft

- 2012.03
 - draft-schoenw-opsawg-vm-mib-00
 - An implementation† with libvirt API
- 2012.07
 - draft-schoenw-opsawg-vm-mib-01
 - draft-asai-vmm-mib-00 based on the implementation†
- 2012.10
 - draft-asai-vmm-mib-01 (comments from the list)
- 2013.02
 - Joint proposal: draft-asai-vmm-mib-02
 - Merge draft-asai-vmm-mib-01 and draft-schoenw-opsawg-vm-mib-01
 - Presented it at IETF86
- 2013.04
 - Published draft-asai-vmm-mib-03 subjected to comments at IETF86
- 2013.07
 - Presented draft-asai-vmm-mib-04 at IETF87 and discussed on the mailing list
- 2013.10-2013.11
 - WG adoption (draft-asai-vmm-mib-05)
- 2014.02
 - Submitted as a WG item: draft-ietf-opsawg-vmm-mib-00

Summary of Changes from draft-asai-vmm-mib-05

- Submitted as a WG draft
 - draft-ietf-opsawg-vmm-mib-00
- Changes responding to comments in IETF 88
 - Clarified the objectives
 - Section 3: “Overview and Objectives” section
 - Summarized relationship to other MIB objects
 - Section 5: “Relationship to Other MIB Modules”
 - HOST-RESOURCES-MIB
 - IF-MIB
 - IEEE8021-BRIDGE-MIB / IEEE8021-Q-BRIDGE-MIB
 - ENTITY-MIB
 - Reduced the number of authors
 - 8 to 5