

Virtual I/O Device (#VIRTIO) Version 1.0 Committee Specification 02 published

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Type:

Public Review

OASIS is pleased to announce the approval and publication of a new Committee Specification by the members of the OASIS Virtual I/O Device (VIRTIO) TC:

Virtual I/O Device (VIRTIO) Version 1.0
Committee Specification 02
18 January 2015

Overview:

"Virtual I/O Device (VIRTIO) Version 1.0 Committee Specification 02" describes the specifications for the virtio family of devices. These devices are found in virtual environments, yet by design they look like physical devices to the guest within the virtual machine - and this document treats them as such. This similarity allows the guest to use standard drivers and discovery mechanisms.

Description of the TC:

The goal of the OASIS Virtual I/O Device (VIRTIO) TC is to simplify virtual devices, making them more extensible and more recognizable.

The purpose of VIRTIO is to ensure that virtual environments and guests have a straightforward, efficient, standard, and extensible mechanism for virtual devices, rather than boutique per-environment or per-OS mechanisms.

URIs:

The prose specifications and related files are available here:

Editable source (Authoritative):

<http://docs.oasis-open.org/virtio/virtio/v1.0/cs02/tex/> [1]

HTML:

<http://docs.oasis-open.org/virtio/virtio/v1.0/cs02/virtio-v1.0-cs02.html> [2]

PDF:

<http://docs.oasis-open.org/virtio/virtio/v1.0/cs02/virtio-v1.0-cs02.pdf> [3]

Example Driver Listing:

<http://docs.oasis-open.org/virtio/virtio/v1.0/cs02/listings/> [4]

Distribution ZIP file

For your convenience, OASIS provides a complete package of the prose specification and related files in a ZIP distribution file. You can download the ZIP file here:

<http://docs.oasis-open.org/virtio/virtio/v1.0/cs02/virtio-v1.0-cs02.zip> [5]

Members of the OASIS Virtual I/O Device (VIRTIO) TC [1] approved this specification by Special Majority Vote. The specification had been released for public review as required by the TC Process [2]. The vote to approve as a Committee Specification passed [3], and the document is now available online in the OASIS Library as referenced above.

Our congratulations to the TC on achieving this milestone and our thanks to the reviewers who provided feedback on the specification drafts to help improve the quality of the work.

===== Additional references:

[1] OASIS Virtual I/O Device (VIRTIO) TC

<https://www.oasis-open.org/committees/virtio/> [6]

[2] Public reviews:

30-day public review, 24 December 2014:

<https://lists.oasis-open.org/archives/members/201312/msg00013.html> [7]

- Comment resolution log:

<http://docs.oasis-open.org/virtio/virtio/v1.0/csprd01/virtio-v1.0-csprd0...> [8]

15-day public review, 31 March 2014:

<https://lists.oasis-open.org/archives/members/201403/msg00014.html> [9]

- Comment resolution log:

<http://docs.oasis-open.org/virtio/virtio/v1.0/csprd02/virtio-v1.0-csprd0...> [10]

15-day public review, 14 July 2014: <https://lists.oasis-open.org/archives/members/201407/msg00007.html> [11]

- Comment resolution log:

<http://docs.oasis-open.org/virtio/virtio/v1.0/csprd03/virtio-v1.0-csprd0...> [12]

[3] Approval ballot:

<https://www.oasis-open.org/committees/ballot.php?id=2738> [13]

Associated TC:

Virtual I/O Device (VIRTIO)

Deadline:

Fri, 2015-02-13 - Fri, 2015-03-13

Links:

- [1] <http://docs.oasis-open.org/virtio/virtio/v1.0/cs02/tex/>
- [2] <http://docs.oasis-open.org/virtio/virtio/v1.0/cs02/virtio-v1.0-cs02.html>
- [3] <http://docs.oasis-open.org/virtio/virtio/v1.0/cs02/virtio-v1.0-cs02.pdf>
- [4] <http://docs.oasis-open.org/virtio/virtio/v1.0/cs02/listings/>
- [5] <http://docs.oasis-open.org/virtio/virtio/v1.0/cs02/virtio-v1.0-cs02.zip>
- [6] <https://www.oasis-open.org/committees/virtio/>
- [7] <https://lists.oasis-open.org/archives/members/201312/msg00013.html>
- [8] <http://docs.oasis-open.org/virtio/virtio/v1.0/csprd01/virtio-v1.0-csprd01-comment-resolution-log.xlsx>
- [9] <https://lists.oasis-open.org/archives/members/201403/msg00014.html>
- [10] <http://docs.oasis-open.org/virtio/virtio/v1.0/csprd02/virtio-v1.0-csprd02-comment-resolution-log.xlsx>
- [11] <https://lists.oasis-open.org/archives/members/201407/msg00007.html>
- [12] <http://docs.oasis-open.org/virtio/virtio/v1.0/csprd03/virtio-v1.0-csprd03-comment-resolution-log.xls>
- [13] <https://www.oasis-open.org/committees/ballot.php?id=2738>