

Release Notes

TNOS® 3.2.00

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3.2.00 Release Notes

Release History

Version	Release Date
3.2.00	2017-07-27

Enhancements

3.2.00

- Support for Flow Queue - Controlled Delay (FQ-CoDel) has been integrated into the packet filter. The goal of FQ-CoDel is to provide fair sharing of bandwidth between simultaneous connections and reduce latency differences among them
- Improved existing support for paravirtualised Xen (Amazon EC2), Hyper-V (Microsoft Azure) and virtio (KVM and VMM) interfaces
- Support for paravirtualised Hyper-V (Microsoft Azure) storage has been added
- Initial version of 3.2, based on OpenBSD 6.1

Fixes

3.2.00

- Distinguish between self-issued certificates and self-signed certificates, so that self-issued certificates verify correctly in a chain. (OpenBSD 6.1 errata 014)
- When pinging an IPv6 link-local address, the reflected packet had ::1 as source address. The echo reply was ignored as it must be from the link-local address. (OpenBSD 6.1 errata 013)
- An unprivileged console user can cause a kernel crash via a wsmux ioctl (OpenBSD 6.1 errata 012)
- Fix an integer overflow in two range checks of display driver only present in the hppa platform (OpenBSD 6.1 errata 011)
- Use fchmod to avoid a race condition in the File::Path Perl module. Fixes CVE-2017-6512. (OpenBSD 6.1 errata 010)
- The kernel could leak memory when processing ICMP packets with IP options. Note that the packet filter blocks such packets by default. (OpenBSD 6.1 errata 009)
- A gap of 1MB is now added between stack and mmap spaces (OpenBSD 6.1 errata 008)

- Incorrect DTLS cookie handling could result in a NULL pointer dereference (OpenBSD 6.1 errata 006)
- Expired packet filter source tracking entries never got removed, leading to memory exhaustion (OpenBSD 6.1 errata 005)
- Kernel software RAID was unable to create useable concatenated volumes as it always set the size of the volume to zero sectors. (OpenBSD 6.1 errata 004)
- A consistency check that could cause programs to incorrectly verify X.509 certificates when using call-backs that return 1 has been reverted (OpenBSD 6.1 errata 003)
- The kernel virtual machine monitor mismanaged floating point contexts (OpenBSD 6.1 errata 002)
- The DHCP service unconditionally echoed the client identifier, preventing some devices from acquiring a lease. (OpenBSD 6.1 errata 001)