Linux Kernel MPTCP

Implementation Status

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http://www.multipath-tcp.org

New Release Cycles

- 3 times a year, before each IETF meeting
- Stable release of MPTCP, maintained with bug fixes until the next release
- For new features/improvements you have to wait until the next release

MPTCP v0.86 - The IETF86 Release

- Available at **www.multipath-tcp.org**

- Status:
  - Almost fully supports RFC 6824
  - Pooling resources (increased goodput)
  - Seamless handover (improved resilience)
  - Adding/Removing Addresses (Support for Mobile Hosts)
  - Middlebox support
    - Segment splitting middleboxes
    - Coalescing middleboxes
    - Payload-rewriting middleboxes

MPTCP v0.86 - The IETF86 Release

Unsupported/Upcoming features:

- Hardware Offload (TSO/LRO)
  Code is (almost) ready - will be released in v0.87
- TCP sendfile (zero-copy send/receive)
  Code is (almost) ready - will be released in v0.87
- 64-bit DSN/Data-Ack
- More testing with NFS and middleboxes is needed

MPTCP v0.86 - The IETF86 Release

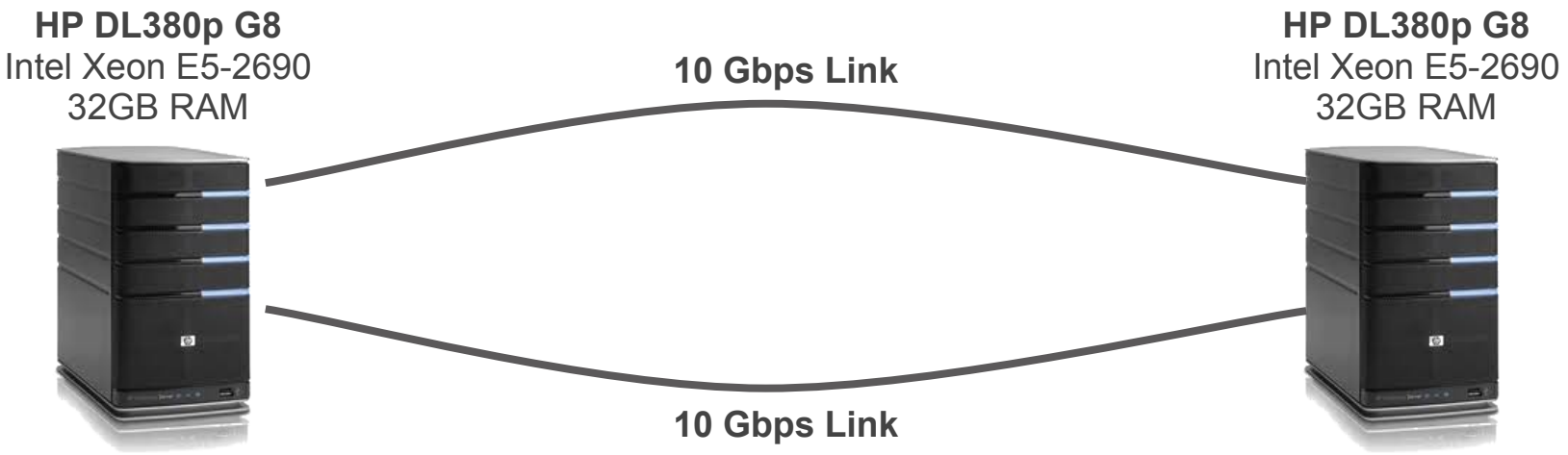
Install it (see **www.multipath-tcp.org**)

- Download source and compile on your own
- Install pre-compiled Debian packages
- Pre-compiled AndroidOS with MPTCP

MPTCP in other tools

- Support in Wireshark since v1.7.1
- Tcpdump support for MPTCP
- iproute/net-tools in our github repo (see Tools-section at **www.multipath-tcp.org**)

Hardware Offloading & Zero-Copy support



Using netperf omni-test in zero-copy mode

Hardware Offloading & Zero-Copy support