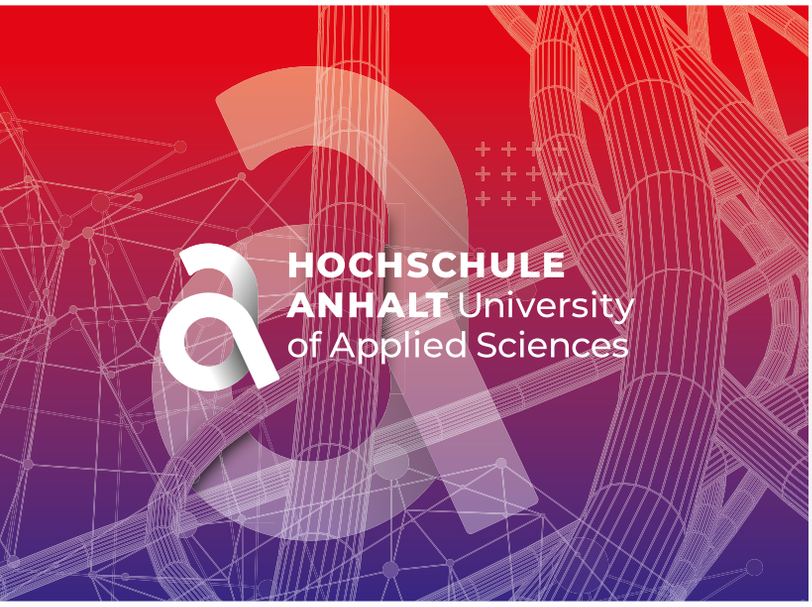
www.hs-anhalt.de

Accelerate your data. Discover RMDT.



Reliable Multi-Destination Data Transport (RMDT)

Move petabytes to any location – instantly, securely, and over your existing network hardware. Built on UDP, RMDT analyses available bandwidth in real time, repairs loss on-the-fly and drives every connections at line-rate - even across continents and satellite links.

- **Max-out your bandwidth:** adaptive congestion control fills “long-fat” pipes while co-existing with latency-sensitive (cross-)traffics.
- **Concurrent delivery:** a single sender feeds up to 10 receivers in one session, so one upload becomes a global release.
- **Blazing speed:** lab runs already top 40 Gbps on commodity NICs, with room to grow. No additional network equipment needed.
- **Drop-in SDK:** the API looks like a socket; compile, link, run.
- **Built-in security:** optional AES-128/192/256 encryption protects content over hostile networks.

What makes it different?

RMDT’s unique congestion algorithm routinely beats TCP and proprietary accelerators on high-delay links, while its two-way handshake connects peers in milliseconds and keeps management to one-to-many — not many-to-many.

Receivers can even cascade traffic further, giving you application-level multicast without expensive network features.

Ideal workloads

- Massive media or scientific files
- Cross-site database or VM synchronisation
- 8K live video
- Disaster recovery replication within your RPO
- Worldwide CDN and firmware distribution

Research-backed design

The protocol distils 26 person-years of research at the Future Internet Lab Anhalt is inside the Dataclone and Streamclone tools. Field tests hit wire speed to three sites simultaneously, while early RSDT sibling trials show 40 Gbps per flow—signalling where RMDT is headed next.

Deploy as-is or integrate seamlessly.

Kontakt

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