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## Use of jumbo frames for data transfer over the WAN

Jumbo frames (with an MTU of 9000 bytes rather than the ethernet standard of 1500) have potential performance advantages for WAN transfers. Whilst many national and international research and education networks support their use, they are not widely supported at end sites. Furthermore, firewalls at some end sites block path MTU discovery leading to potential performance bottlenecks.

QMUL has two data transfer servers, one configured to use jumbo frames, and one one. In this paper, we compare data transfer speeds to a range of sites and assess the impact of jumbo frames, and path MTU blocking on data transfer rates.

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