Operating Tor Relays at Universities

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Tor Exit at TU Berlin

- exit flag since 2018
 E91905CFEB230B1BEA6B0309816F9EE9C1A1A83A
- vServer at the university's computer center,
 1 Gbit/s (German Research Network)
- open communication
- surprisingly smooth operation
 - 4 abuse complaints in 2 years

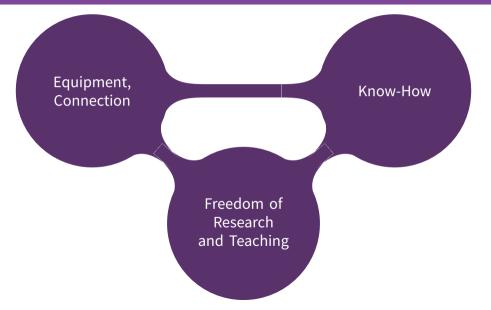


Tor Exit at University of Hamburg

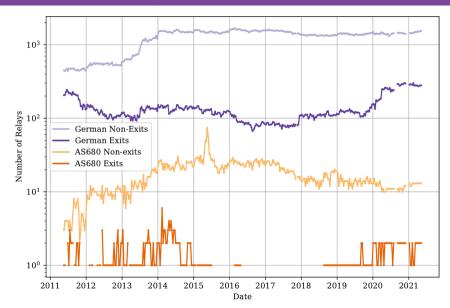
- exit flag since 2019
 83C50784528AD3823CB7E7DF4B34B92A42CC7639
- dedicated server, own IP range within the German Research Network
- abuse
 - barely any abuse on ports 80 & 443
 - mostly automated abuse messages,
 2 requests from law enforcement



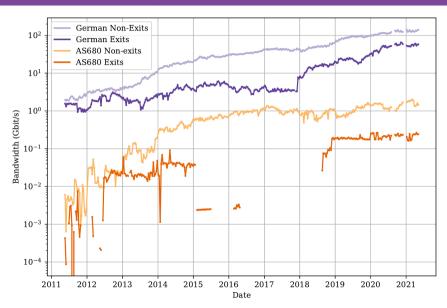
Exit Relays at Universities



Status Quo: Exits in Germany



Status Quo: Exits in Germany



Status Quo: Global

	All Relays	Exit Relays
Number of Relays	0.734 %	0.724 %
Bandwidth	0.694 %	0.533 %

Share of educational institutions (estimated by IP classification, Consensus 2020-12-08-16-00-00)

Lessons Learned

- communicate openly
- use the freedoms of research and teaching
- collaborate
- organize maintenance
- use Tor

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