Operating Tor Relays at Universities

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TU Berlin, Universität Hamburg
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

Equipment, Connection

Know-How

Freedom of Research and Teaching
Status Quo: Exits in Germany
Status Quo: Exits in Germany
# Status Quo: Global

<table>
<thead>
<tr>
<th></th>
<th>All Relays</th>
<th>Exit Relays</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Number of Relays</strong></td>
<td>0.734 %</td>
<td>0.724 %</td>
</tr>
<tr>
<td><strong>Bandwidth</strong></td>
<td>0.694 %</td>
<td>0.533 %</td>
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</tbody>
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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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