exercise overview

project timeline

transport project Q&A/
time to solve the tasks
Task 1
Name it or Route it: pick one

compare load-balancing/rePLICATION techniques
consider cost, location, reliability, simplicity, ...

Any clear winner?

DNS vs. BGP Anycast
Task 2
Local DNS server

play with DNS command line tools

DIY DNS resolution process
Task 3
DNS Setup (Exam 2021)

we forgot how DNS works…
help us with our setup :)

addresses: 129.132.30.<x>
domains: <y>.nsg.ee.ethz.ch
Task 4

Local vs. Authorative DNS Server

compare output depending on the DNS server

consider impact on load-balancing
exercise overview

project timeline

transport project Q&A/
time to solve the tasks
We are now in week 2 / 3

<table>
<thead>
<tr>
<th>Part 1</th>
<th>Complete a simple Go-Back-N implementation</th>
</tr>
</thead>
<tbody>
<tr>
<td>20.05.2022</td>
<td>Retransmit all packets after a timeout</td>
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<table>
<thead>
<tr>
<th>Part 2</th>
<th>Add support for Selective Repeat</th>
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<tbody>
<tr>
<td>27.05.2022</td>
<td>Fast retransmission after duplicated ACKs</td>
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<table>
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<tr>
<th>Part 3</th>
<th>Add support for Selective Acknowledgements (SACK)</th>
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<tbody>
<tr>
<td>03.06.2022</td>
<td>SACK contains blocks of correctly received segments</td>
</tr>
</tbody>
</table>
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time to solve the tasks