Student survey

Routing project

Overview current assignment

Solutions will be published next week
Student survey results
Student survey results

We release the solutions on Mondays…
…and the slides on Wednesday evening (if possible)
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We will discuss some solutions during the session
If you have requests, let us know beforehand
Student survey results

We release the solutions on Mondays…
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We will discuss some solutions during the session
If you have requests, let us know beforehand

We will also discuss lecture concepts related to the projects in more detail
Communication Networks

Exercise 6

Student survey

Routing project

Overview current assignment

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Routing project timetable

- **Week 1:**
  - 12.04: Project start
  - until 22.04: Q1.1 - 1.5 Intra-domain routing

- **Week 2:**
  - 26.04: Q2.1 - 2.2 Inter-domain routing

- **Week 3:**
  - 03.05: Q3.5 active
  - Remaining: Q3.1 - 3.4 Routing policies

- **Week 4:**
  - 07.05: Project end

- Today: 15.04
How to get help?

Exercise and Q&A sessions
several TAs will help you via Slack and/or call

#routing_project on Slack, comm-net@ethz.ch
we provide best-effort service
Communication Networks

Exercise 6

Student survey

Routing project

**Overview current assignment**

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Task 1, 2 & 3: IPv4 vs. IPv6

More details: Slides 43-79 and 124-128 (week 6)
Task 4: The Art of Defaulting Properly

More details: Slides 81-100 (week 6)
Task 4: **The Art of Defaulting Properly**

More details: Slides 81-100 (week 6)
Task 5: Summer Pruning

More details: Slides 81-100 (week 6)

A child prefix can be filtered from the table whenever it shares the same output interface as its parent.
Task 5: **Summer Pruning**

More details: Slides 81-100 (week 6)

- 99.0.144.0/20 IF#2
- 99.0.128.0/20 IF#2
Task 5: Summer Pruning

More details: Slides 81-100 (week 6)
Task 5: Summer Pruning

More details: Slides 81-100 (week 6)

99.0.144.0/20 IF#2
99.0.128.0/20 IF#2

<table>
<thead>
<tr>
<th>128</th>
<th>64</th>
<th>32</th>
<th>16</th>
<th>8</th>
<th>4</th>
<th>2</th>
<th>1</th>
</tr>
</thead>
<tbody>
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Task 5: **Summer Pruning**

More details: Slides 81-100 (week 6)
Task 5: **Summer Pruning**

More details: Slides 81-100 (week 6)

99.0.144.0/20  IF#2
99.0.128.0/20  IF#2

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<tbody>
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/20
Task 5: Summer Pruning

More details: Slides 81-100 (week 6)
Task 5: Summer Pruning

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Task 5: **Summer Pruning**

More details: Slides 81-100 (week 6)

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99.0.144.0/20  IF#2
99.0.128.0/20  IF#2
99.0.128.0/19  IF#2
Task 5: **Summer Pruning**

More details: Slides 81-100 (week 6)

<table>
<thead>
<tr>
<th>IP Address</th>
<th>Prefix Length</th>
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<td>IF#2</td>
<td>99.0.128.0/17</td>
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<td>99.0.128.0/20</td>
<td>IF#2</td>
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</tbody>
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<td>*</td>
<td>*</td>
<td>*</td>
</tr>
</tbody>
</table>

/17
Task 5: Summer Pruning

More details: Slides 81-100 (week 6)

P: 99.0.192.1

99.0.144.0/20 IF#2
99.0.128.0/20 IF#2

99.0.128.0/17 IF#2
Task 5: **Summer Pruning**

More details: Slides 81-100 (week 6)
Communication Networks

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