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Workshop #3

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ONLINE

FEBRUARY 10, 2022

This research received funding from the Dutch Research Council (NWO) as part of the UPIN project

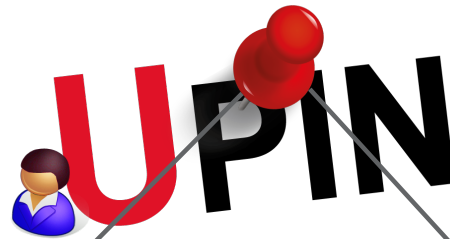
TODAY'S GOAL

- Update on status and future work
- Get your feedback
- Result: further improve researchers' work based on your feedback

PROPOSED AGENDA

- 10:00 Opening (Cristian)
- 10:00 Overall progress (Cristian)
- 10:10 UPIN architecture/TAURIN paper (Leonardo)
- 10:20 Progress path control (Leonardo)
- 10:40 Progress path tracing (Rodrigo)
- 11:10 Demo path tracing (Ralph)
- 11:20 Discussion (All)
- 11:50 Plans NLnet Labs and SURF (Benno, Ronald)
- 12:00 Adjourn (Cristian)

HIGH LEVEL APPROACH



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Path verification:

- Path specification = required (security) properties of equipment and links
- Obtain (security) descriptions of equipment and links across domains
- Assess trustworthiness of the path by comparing these two



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Path control:

- Path specification = required path performance and operations
- Enforced through inter-domain control of network paths and dynamic VNFs
- Using techniques such as SDN and Segment Routing (SR)



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OVERALL PROGRESS SINCE JULY 1, 2021

- Presentation at CODE2021, Ph.D. workshop
- Presentations at TAURIN workshop and engagement in discussions
- Contributions to network courses (ANET/UT and N&NS/UvA)
- Qualifiers passed
- More details in Rodrigo's and Leonardo's talks



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QUESTIONS AND DISCUSSION

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