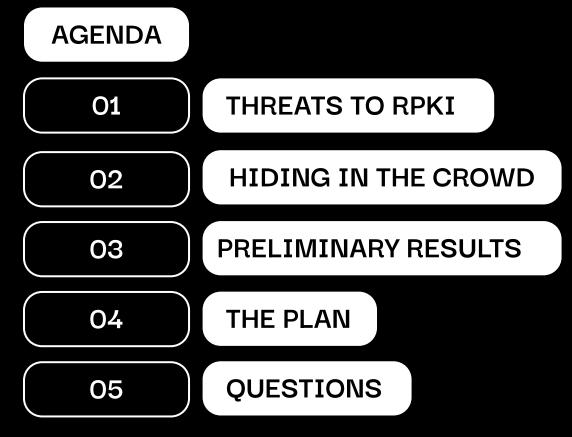
DEFENDING RPKI

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MEET THE TEAM

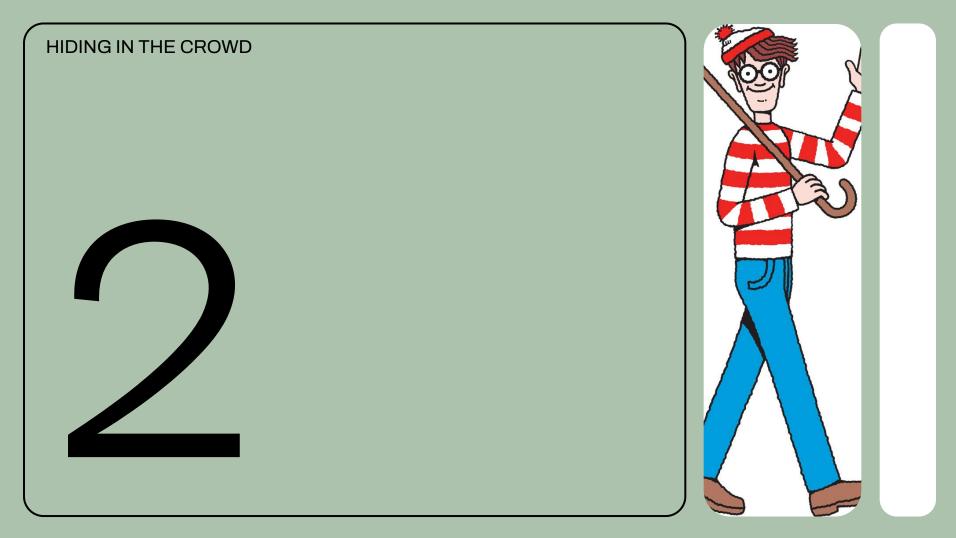
Sensationalist Academics Unethical Hackers Job Snijders



DEFENDING RPKI

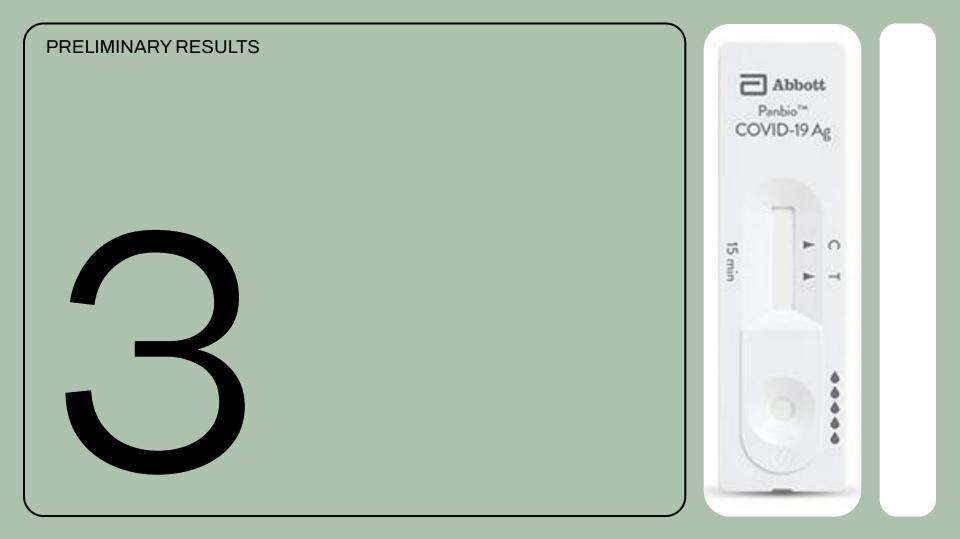
THINGS I WORRY ABOUT

- Crashing validators
- System compromise via validators
- Operators disabling RPKI "because RPKI itself seems a risk"
- The clock on Internet routing security turning back



HIDING RPKI VALIDATORS

• Publication point operators don't need to know the source IP addresses of validators, do they?





PRELIMINARY RESULTS

- No significant difference between anonymized and exposed RPs
- RRDP-via-overlay not as reliable as "direct"
 - As long as "direct" is used as fallback, no difference

0

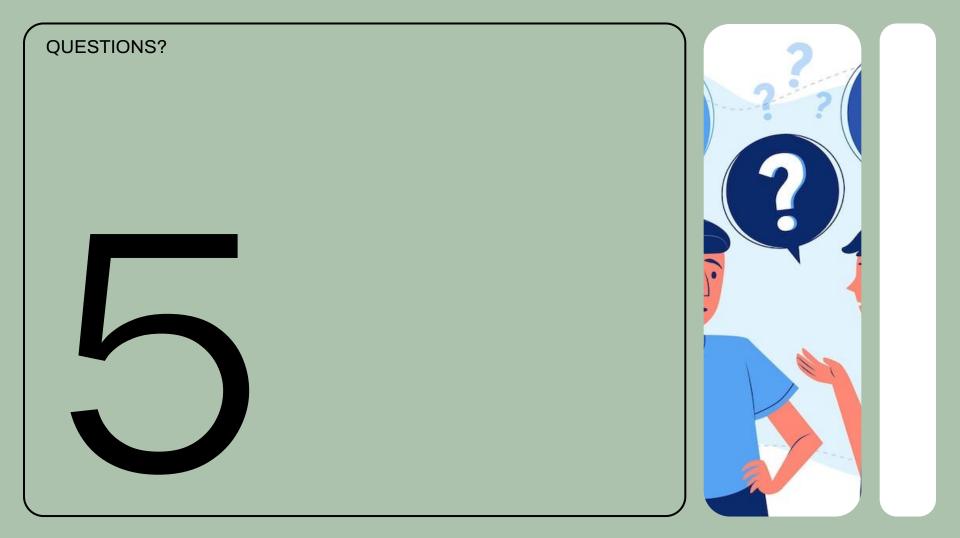


PLAN: AREA OF STUDY

- Does use of *forward proxies* at scale work well for the RPKI?
- How to handle transport switch-overs?
- Set up more experiments

REQUEST TO YOU

• I need VPS/Compute/Storage resources to run experiments







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