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Aalto University
School of Electrical
Engineering

Take 5 Demo Day *Realm Gateway*

Jesus Llorente Santos

jesus.llorente.santos@aalto.fi

Realm Gateway *”Better than NAT”*

❑ NAT Traversal based on DNS queries

- Possible to run multiple instances of same server in the LAN
- Support carrier grade NAT service via nested Realm Gateway nodes

❑ Improved security

- SYNPROXY to protect against most common DDoS attacks
- Versatile packet filtering via Linux connection tracking system

❑ Implementation

- Control plane runs adaptive algorithms in Linux user space
- Use plane runs forwarding and filtering rules in Linux kernel space