Slicure5G: Secure Slicing for 5G
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Slicure5G: An end-to-end secure network slicing architecture that secures individual interfaces between 5G network entities

Slicure5G empowers network operators to deploy slices with customized security parameters, co-existing with unsecured, public-use, slices and sharing the underlying platform and hardware resources with them

**Design**
- Isolating NF microservices across different slices per their security configuration
- Using public key infrastructure-based mutual authentication between each core network function
- Encrypting the traffic across
- Service-based REST interfaces between core NFs
- Interfaces between the RAN and core network
- Interfaces between the control and user planes
- Rate-limiting ingress traffic and filtering packets based on slice service, user identifier, request type and access interface

**Future Work**
Design an adaptive slicing mechanism that determines secure slice configuration parameters based on the results of threat assessment modules

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