

Security Management in 5GZORRO ecosystem

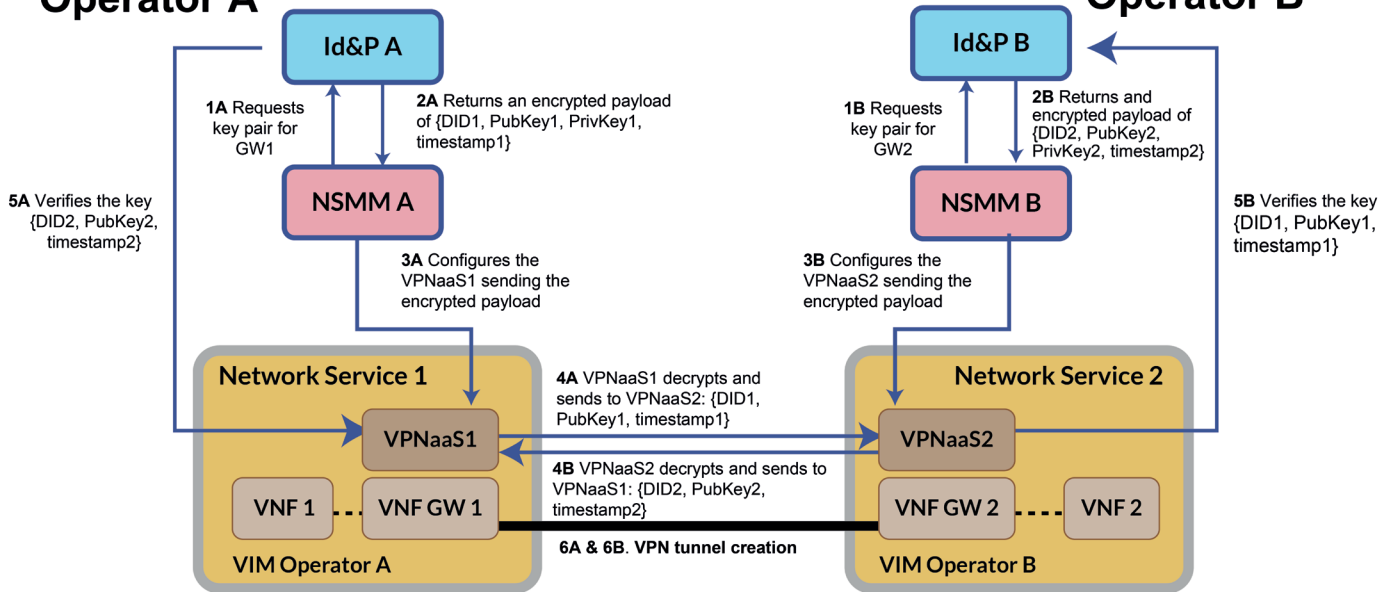
Cross-domain secure interconnection establishment

Overview

- The Identity and Permission Manager (Id&P), the Network Service Mesh Manager (NSMM) and the VPN as a Service (VPNaaS) are the modules responsible for interconnecting services across platforms belonging to different operators in a secure way.
- The VPNaaS provides the capabilities for establishing secure and trusted connections between different domains.
- The Id&P is in charge of generating unique identifiers and verifying providers and consumers using DIDs.
- The NSMM provides the functionalities to enable the stitching of services in different domains, creating the required resources in the operator to expose the desired services to the outside world and securing the communication between them through VPNaaS modules.

Operator A

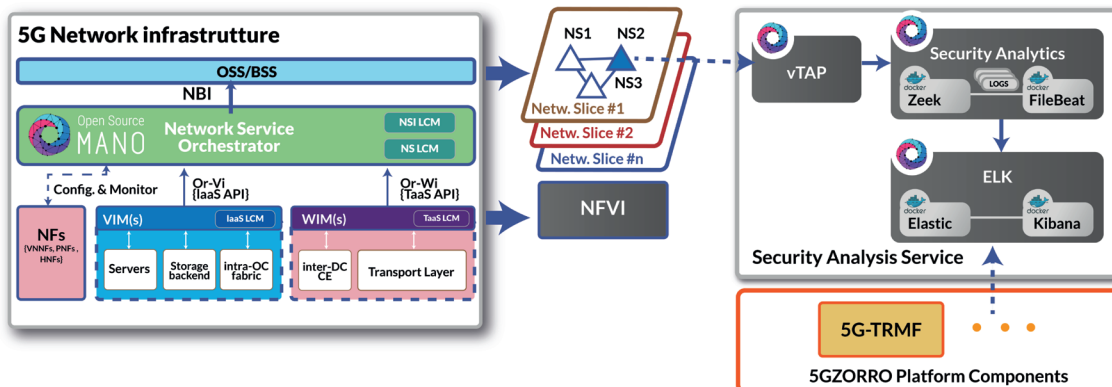
Operator B



Security Analysis Service

Overview

- This module provides the security services in charge of performing network diagnostics to detect possible network vulnerabilities, threats or malicious behavior for Network Services inside each domain, as well as to apply the required countermeasures for the mitigation of such adverse events.
- These diagnostics are stored as aggregated reporting/statistics in order to be further provided to relevant 5GZORRO platform components, including 5G-TRMF.
- SAS covers an intra-domain perspective where each stakeholder benefits from the module's capabilities that enhance intra-domain security.
- The continuous operation and reliability of the Network Services deployed/requested by the 5GZORRO consumers/providers are assured.



Project Funded

5GZORRO Consortium



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