QTI

Quantum Key Distribution in Software Defined Networks

Bringing QKD in real world telecommunications

Software Defined Network (SDN) meets QKD in QTI's state of the art SDN-QKD solution based on the **ETSI GS QKD 015 standard**.

Taking advantage from the high level of **flexibility**, **programmability and automation** of SDN networks and the **unconditional security** of QKD, SDN-QKD provide the ultimate solution for a secure cutting edge network.

Features and Advantages

- **Dynamic QKD link configuration**: SDN enables dynamic configuration of QKD links, allowing network administrators to optimize QKD link parameters to meet changing network conditions or security requirements

- **Optimized control**: with SDN, network administrators can define fine-grained control over QKD link configuration and routing allowing for more automated and efficient allocation of resources and improved QKD performance

- **Interoperability**: The use of standard protocols and interfaces in SDN-QKD networks, as recommended by the ETSI GS QKD 015 standard, promotes interoperability between different SDN components, making it easier to deploy and manage QKD networks in diverse environments.

- **Integration with existing infrastructure**: SDN-QKD networks can be more easily integrated with existing communication infrastructure, allowing for more seamless and efficient deployment of QKD in larger networks