

PTF Demo Day

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Rosenpass Post-Quantum
VPN with Minimal Privileges

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<https://rosenpass.eu>

Introduction



- Rosenpass is a post-quantum VPN that uses WireGuard for data transport
- This project will reduce the privilege level required for Rosenpass to send post-quantum secure keys to WireGuard
- We will do this using Docker, Micro-VM's (exceptionally small virtual machines), and broker architectures to sandbox the Rosenpass software