Project Leaflet Information for Poster Session

Team Name: QUANTUM

Project Name: Quantum-Resistant Cloud Stack

Sponsors: Velotix, F5

Mentor: Doron Podoleanu

Team Members: Emma Dickenson

Abstract: We currently live in a time when cloud computing is becoming the new computing standard, and simultaneously, the future of quantum-computing is evolving rapidly. It is vital that the cloud computing infrastructure protects data against the quantum-threats that are expected to exist in the near future. Our project centers around upgrading the current cloud native stack to be quantum-resistant. We created a quantum-resistant prototype for one part of the cloud native stack; the Envoy proxy, and a roadmap for developers to upgrade the other parts of the cloud native stack.