

Privacy-Preserving Efficient Verifiable Deep Packet Inspection for Cloud-Assisted Middlebox

🔍 Overview

This project focuses on designing and implementing a privacy-preserving, efficient, and verifiable deep packet inspection framework for cloud-assisted middleboxes using secure cryptographic protocols and scalable architecture.

🧠 Features

- Privacy-preserving packet inspection
- Efficient data verification
- Cloud-assisted secure framework

🛠️ Technologies Used

- Java
- MySQL
- Cryptographic algorithms

👤 Role

Developed the core inspection module, implemented database management, and ensured secure data processing.

📁 How to Run

1. Clone the repository.
2. Set up the MySQL database.
3. Run the Java main file.