Security Testing, simplified.

Dissecto HydraScan is an **advanced plugin for dissecto HydraVision** that enables **full vehicle scans** for various purposes, including forensic analysis and security testing.

By leveraging **HydraProbe Mobile**, users can seamlessly connect to a vehicle's OBD interface and perform full-system assessments via CAN (UDS over CAN) or DoIP (UDS over IP). This allows for **in-depth analysis** of the vehicle's electronic control units (ECUs), ensuring that potential vulnerabilities are identified and security measures are thoroughly evaluated.

Features:

- **Full Vehicle Scans:** Conducts comprehensive security and forensic scans across all electronic control units (ECUs) in a vehicle.

- **HydraProbe Mobile Integration:** Connects seamlessly to a car's OBD interface, enabling plug-and-play scanning via CAN (UDS over CAN) or DoIP (UDS over IP).

- **Automated Vulnerability Detection:** Identifies security gaps, misconfigurations, and potential attack vectors across the vehicle's communication infrastructure.

- **Forensic Analysis Capabilities:** Captures detailed system logs, helping investigators analyze anomalies, unauthorized modifications, or cyberattacks.

- **Customizable Test Cases:** Supports the creation and execution of tailored security tests, ensuring flexibility for different assessment needs.

- **Real-Time Monitoring & Reporting:** Provides live status updates and generates detailed security reports within HydraVision's centralized dashboard.

- **Compliance & Standard Verification:** Ensures adherence to automotive cybersecurity standards such as UNECE R155, ISO 21434, and industry best practices.

- **Scalable & Remote Accessible:** Works as a scalable solution for both single-vehicle assessments and fleet-wide security testing, with full remote access for distributed teams.

- **Intelligent Data Correlation:** Aggregates and analyzes scan data from multiple ECUs, providing a holistic view of the vehicle's security status.

- **Seamless CI/CD Integration:** Allows integration into Continuous Integration/Continuous Deployment (CI/CD) pipelines, ensuring security is tested throughout the development lifecycle.

Benefits:

ECU Protocol Scanning
Supports ISOTP & UDS for deep system insights.

ECU State Mapping
Reveals attack surfaces through reverse engineering.

Forensic Data Analysis
Monitors ECU data flow for investigations.

Full Vehicle Scan
Scans full vehicle networks via OBD for security tests.

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