## Overview

To create subcomponent of Adaptive AUTOSAR Diagnostic Manager (DM) which acts as UDS Transport Layer for diagnostic communications from tester to Adaptive AUTOSAR DM module.

## Goals

1. Implement Transport Protocol Handler which used DoIP (ISO 13400) or any other transport protocol
2. Implement Transport Protocol Manager which is a link between UDS Transport Layer and Application Layer

## Stakeholders

1. Diagnostic Communication Manager subcomponent of DM module
2. Diagnostic Tester (End User)

## Features

1. Bidirectional communication is supported by UDS Transport Protocol Handler
2. UDS requests from Diagnostic Clients are forwarded to the respective responsible Diagnostic Server instance
3. UDS responses created by Diagnostic Server instances are dispatched towards the respective Transport Protocol Handler
4. OEM Specific Transport Layers can also be connected

## Constraints

1. Currently only Ethernet-based protocol DoIP is supported

## References

1. AUTOSAR Specification of Diagnostics (AUTOSAR\_SWS\_Diagnostics.pdf)
2. AUTOSAR Specification for Diagnostics Extract Template (AUTOSAR\_TPS\_DiagnosticExtractTemplate.pdf)