## Overview

In SOMEIP communication data shall be serialized in byte format

## Goals

1. To save the current state of data and reconstruct it later in the same system or in a different environment

## Stakeholders

Development team, Testing Team, Customer team

## Features

1. Serialize complex data in transmission side ..
2. deserialize complex data types in reception side ..
3. Add length field before the payload

## Constraints

1. Nested Structure data Types are not supported for serialization.
2. If Endianess is not provided default Big Endian will be considered for serailization
3. For vector data type default 4 bytes length feild will be added

## References

1. SOMEIP Protocol: https://www.autosar.org/fileadmin/standards/foundation/20-11/AUTOSAR\_PRS\_SOMEIPProtocol.pdf