

Report: Generated at the end of a simulation.

avgUptime: Average time all clients were connected to the S6 Node

avgLatency: Average delay during transmission

Fault: Description of a problem that occurred during the simulation.

faultTime: Time for when fault occurred

activeClients: Number of clients connected when fault occurred

faultDetails: Details of fault that occurred

avgBandwidthAtFault: Bandwidth average for fault that occurred

ClientConnectionRecord: Record of client connection events.

clientID: Unique identifier for client

establishedTime: The time the client connection was initiated

plannedDisconnectionTime: Expected time to maintain the connection

unplannedDisconnectionTime: Time connection was unexpectedly disconnected

unplannedExceptionDetails: Description of the cause of the unplanned disconnection

SimulationTranscript: Maintains a log of events that occur during the simulation.

id: Identifier for the simulation

startTime: Starting time of the simulation

stopTime: Ending time of the simulation

MessageRecord: Stores information about messages sent by clients.

messageID: Unique identifier for transmitted message

transmissionTime: Time relative to simulation when the message was transmitted

messageOrigin: ID of producer client that sent the message

receptionTimes: Times relative to simulation of when the message was received by consumer clients

RadarStation: Simulates the Sea Scan.

UniqueID: Unique Identifier for Radar Station

Payload: Data that is being transmitted from the Radar Station to S6 Node

Type: Type of the radar station

ConsumerClient: Simulates the client user interface.

UniqueID: Unique Identifier for ConsumerClient

Payload: Data that is being transmitted from the S6 Node to ConsumerClient

Type: Type of the ConsumerClient