



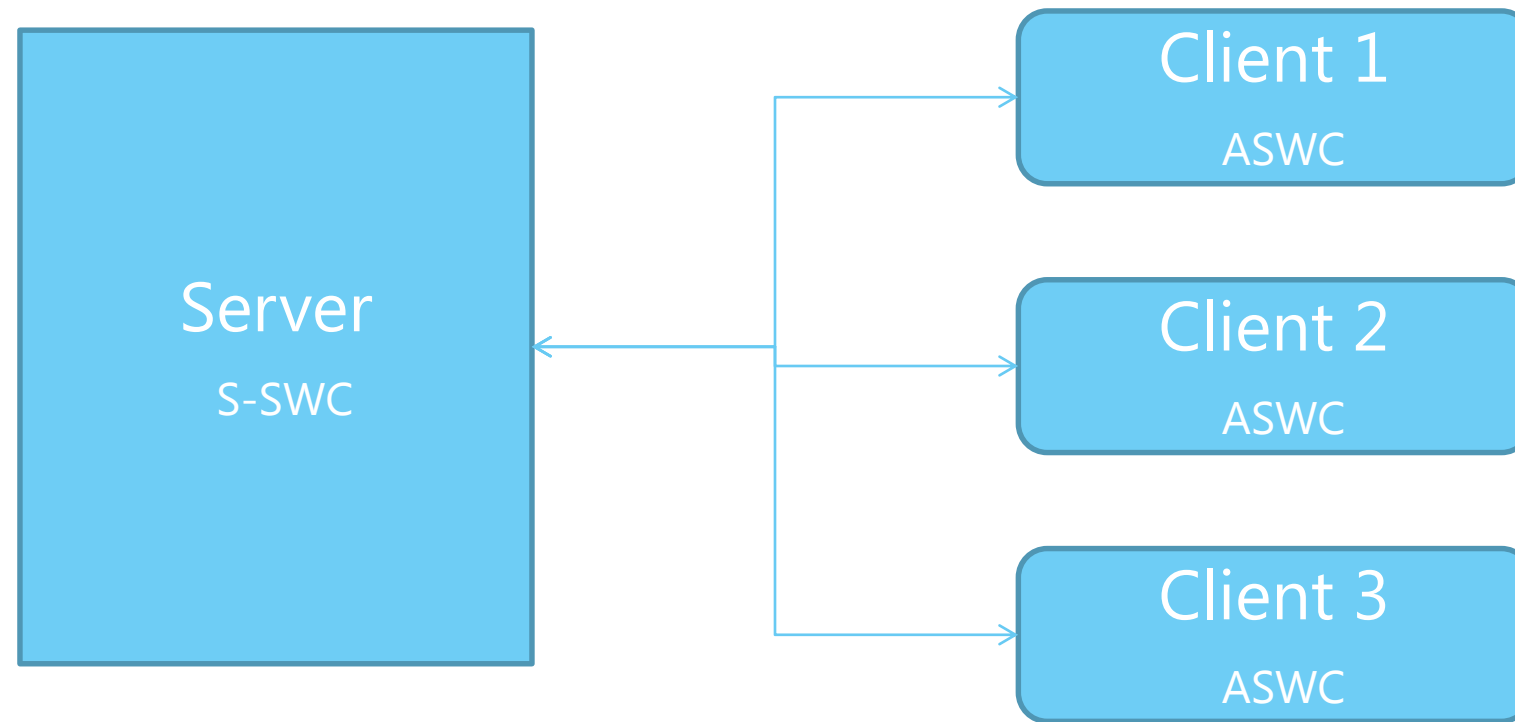
Client Server Communication Configuration

KPIT

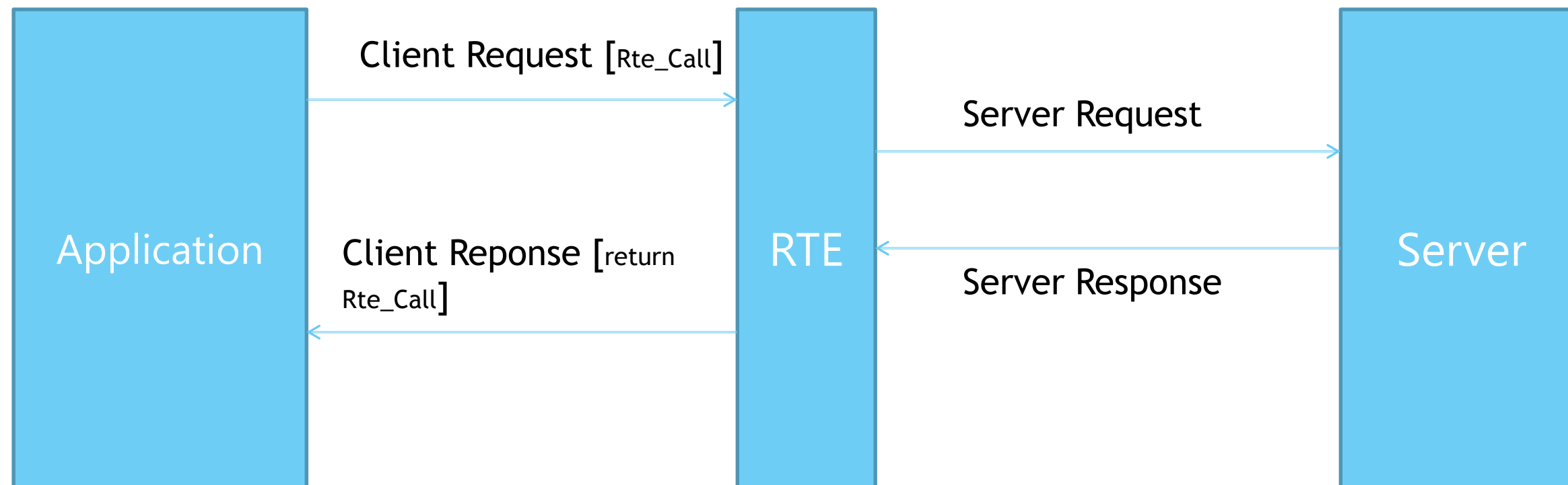
Agenda

- ❑ Introduction to Client Server Communication
- ❑ Synchronous Communication
- ❑ Asynchronous Communication
- ❑ Basic Entities required for CS communication
- ❑ How to configure Intra ECU communication for CS
- ❑ How to configure Inter ECU communication for CS
- ❑ How to configure Ecu Extract for the configured System Description
- ❑ Practice on client Server communication

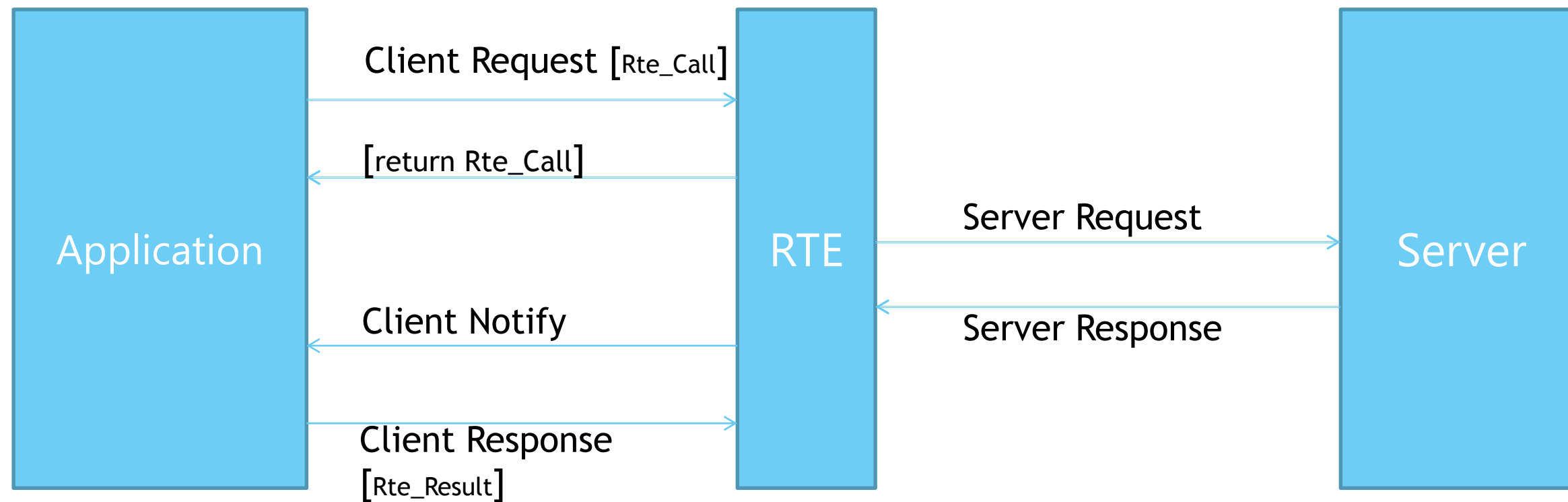
Introduction to Client Server Communication



Synchronous Communication



Asynchronous Communication



Basic Entities required for Client Server [Intra]

Application SW Component (Client) [R-port] [1..*]

- Client Runnable [Runnable entity]
- Synchronous / Asynchronous Server call point.
- R-Port

Service SW Component (Server) [P-port][1..1]

- Operation Invoked Event
- Server Runnable [Runnable Entity]
- P-Port

Client Server Interface

- Operation
- Arguments
- Direction

Data type

Connectors

Basic Entities required for Client Server [Inter]

Application SW Component (Client) [R-port] [1..*]

- Client Runnable [Runnable entity]
- Synchronous / Asynchronous Server call point.
- R-Port

Service SW Component (Server) [P-port][1..1]

- Operation Invoked Event
- Server Runnable [Runnable Entity]
- P-Port

Client Server Interface

- Operation
- Arguments
- Direction

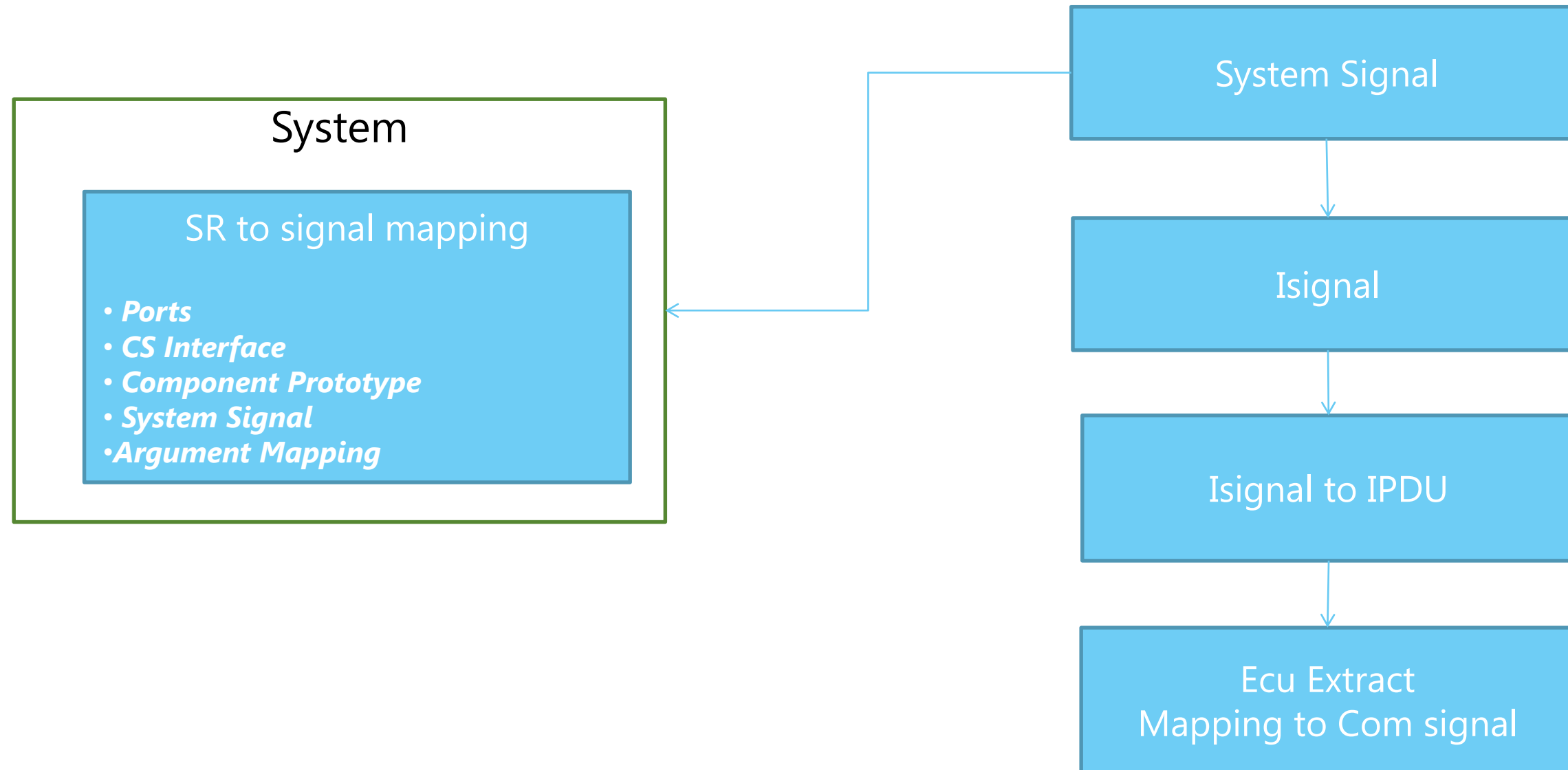
Data type

Com Signal Mapping

Basic entities for Ecu description

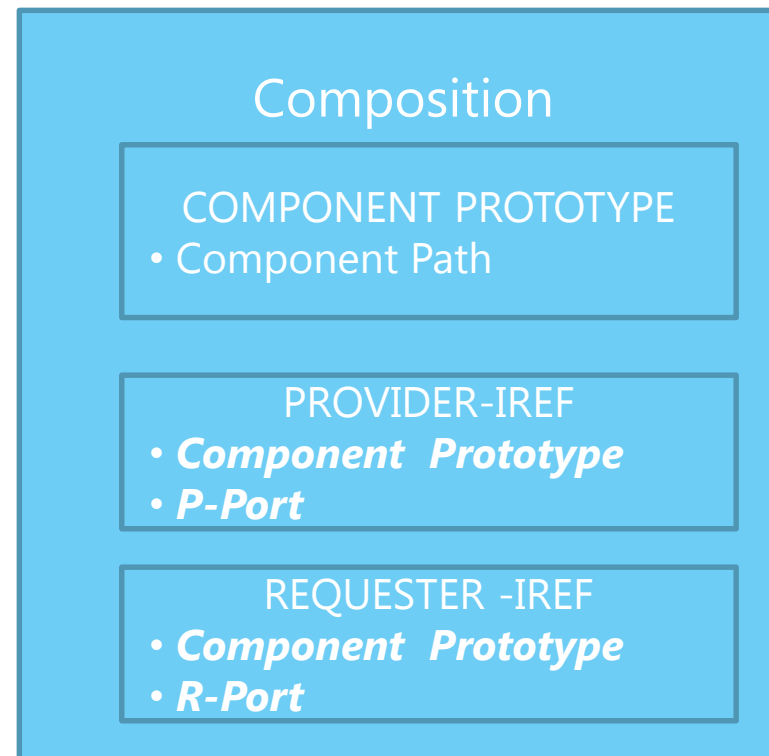
- Rte
 - Rte Event To Task Mapping
 - Position in Task
 - Task Reference
 - Event reference
- Os
 - Alarm
 - Task Reference
 - Event Reference
 - Counter reference
 - Counter
 - Os Second per tick
 - Task
 - Task Priority
- Com
 - Com Signals

Mapping of ComSignal for Inter ECU Communication



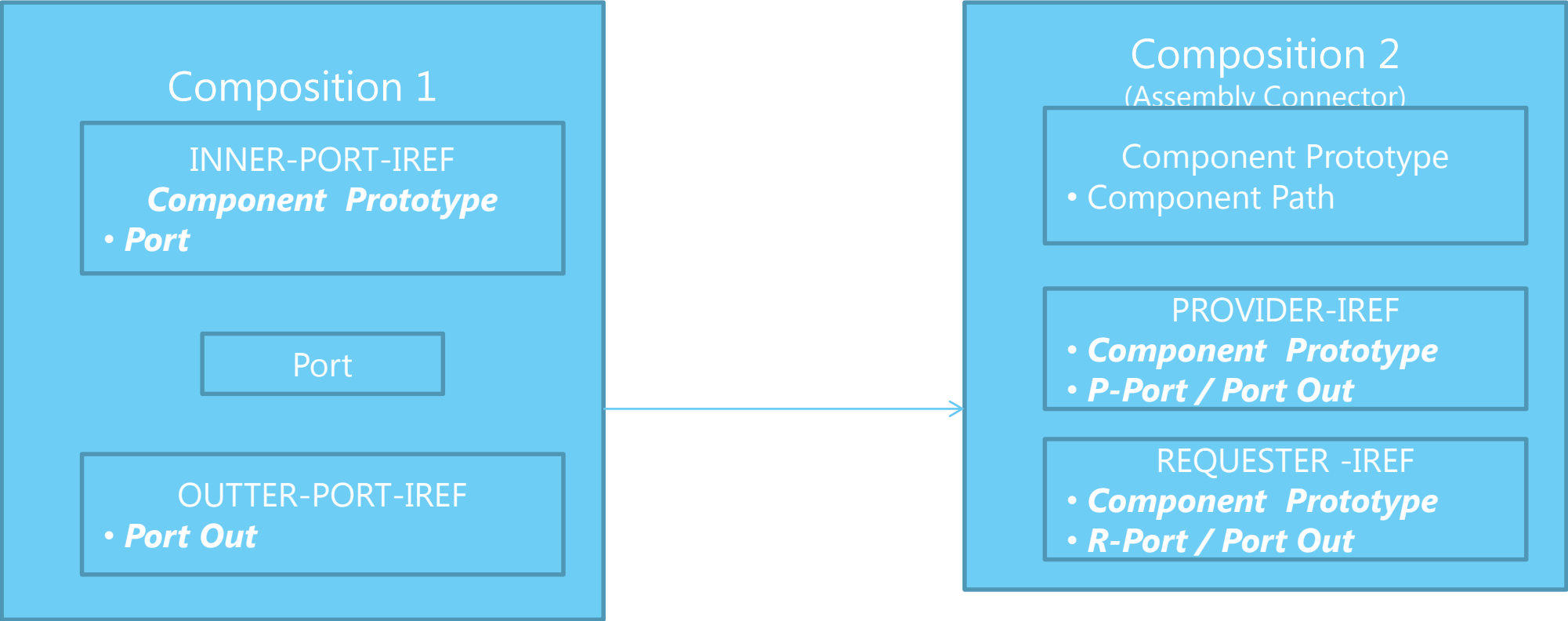
Assembly Connector

- Assembly Connector



Delegation Connector

- Delegation Connector





Questions

Thank You

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