# **S4 Service Functions**

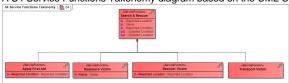
# Description

The S4 Service Functions view defines the behavior of a service in terms of the functions it is expected to perform. S4 is the key behavioral specification for services. Equivalent in nature to L4 - Logical Activities and R4 - Resource Functions, it specifies a set of functions that a service implementation is expected to perform.

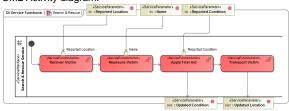
### Implementation

The S4 view can be represented using:

• A S4 Service Functions Taxonomy diagram based on the UML Clas diagram.



 A S4 Service Functions diagram for the Operational Activity flows. This diagram is based on the UML Activity diagram.



- A UML Activity diagram.
- A SysML Activity diagram.
- A SysML Block Definition diagram.
- A UML Class diagram.

# Related elements

- Service Function
- Service Operation Action
- Service Function Action
- Function Edge
- Service Operation
- Service Parameter
- Service Interface

### Related procedures

- Creating S4 Service Functions diagram
- Creating S4 Service Functions Taxonomy diagram