S3 Service Interfaces

Description

The purpose of the S3 Service Interfaces view is to define the interfaces presented by a service. A service presents one or more interfaces to consumers (a "consumer" being any agent capable of using the service – a person, an organization, a system or another service). In this case, the architect specifies provided interfaces. A service may also be capable of using interfaces exposed by other services, and the architect may specify these as used interfaces.

Specifying the interfaces that a service provides and uses defines which services are compatible with which other services. If Service A provides an interface, X and Service B can use Interface X then Service B can call upon at least some of the functionality of Service A.

Implementation

The S3 view can be represented using:

- S3 Service Interfaces diagram which is based on the UML Class diagram. S3 Service Interfaces [🎆 S3] **Rescue Interface** Maritime Rescue Interface Fire Service Interface +InitiateRescue(strandedPersonInfo, rescueCaseID) +ResquePerson(strandedPersonInfo) +RescuePerson(trappedPerson) «use» «use» iceInterface: «Ser 巛 «ServiceInterface» Search & Rescue Service ** Maritime Search & Rescue Service Ŷ «use» Search Interface V Helicopter Service Interface +InitiateSearch(missingPersonInfo,searchCaseID) +RequestSearchUpdate(searchCaseID, status) +CancelSearch(searchCaseID, reason) +TransportCasualty(patientInfo, transportedTo) Search Interface +InitiateSearch(missingPersonInfo, searchCaseID) +RequestSearchUpdate(searchCaseID, status) +CancelSearch(searchCaselD, reason) Fire Service Interface \bigcirc Maritime Rescue Interface +RescuePerson(trappedPerson) +ResquePerson(strandedPersonInfo) Helicopter Service Interface **Rescue Interface** +TransportCasualty(patientInfo, transportedTo) +InitiateRescue(strandedPersonInfo, rescueCaseID)
- S3 MS Word document report.

Related elements

- Service Interface
- Service Method
- Flow Property
- Service Parameter
- Operational Port
- Resource Port