SvcV-3a Systems-Services Matrix

Description

A SvcV-3a enables a quick overview of all the system-to-service resource interactions specified in one or more SvcV-1 Services Context Description models. The SvcV-3a provides a tabular summary of the system and services interactions specified in the SvcV-1 Services Context Description for the Architectural Description. This model can be useful in support existing systems that are transitioning to provide services. The matrix format supports a rapid assessment of potential commonalities and redundancies (or, if fault-tolerance is desired, the lack of redundancies).

The SvcV-3a can be organized in a number of ways to emphasize the association of system-to-service interactions in context with the architecture's purpose.

The intended usage of the SvcV-3a includes:

- Summarizing system and service resource interactions.
- Interface management.
- Comparing interoperability characteristics of solution options.

Implementation

SvcV-3a can be represented using a SvcV-3a diagram which is non editable Dependency Matrix.

The SvcV-3a provides a tabular summary of the system and services interactions specified in the SvcV-1 Services Context Description. Each Resource Exchange listed in the SvcV-3a table should be traceable to Operational Exchange listed in the corresponding OV-3 Operational Resource Flow Matrix. Each Resource Exchange may relate to a known Function (from SvcV-4) that produces or consumes it. Data Elements as well as the other type of Resource Exchange Items are exchanged by Service Providers and Service Requesters represented in SV-6 table.

Related elements

- Service Specification
- Resource Artifact
- Capability Configuration
- Software
- Organization
- Post
- Resource Exchange
- Data Element

Related procedures

- Creating SvcV-3a matrix
- Creating Resource Exchange in SvcV-3a matrix