

Interface Design Description (IDD) –Wind Farm

Abstract

This document defines the template for the Interface Design Description of Arrowhead compliant Interfaces.

An Interface Design Description provides a detailed description of how the service is implemented/realized by using the Communication Profile and the chosen technologies.

All Arrowhead Interface Designs should be specified using this template and stored on a common repository (available on the SVN server), in order to document and formalize the pilot demonstrators and the common Arrowhead framework.

1. Interface Design Description Overview

Table 1 Pointers to SD documents

Service description	Path
Wind Mill Arrowhead	SD Service Description – WMA.docx

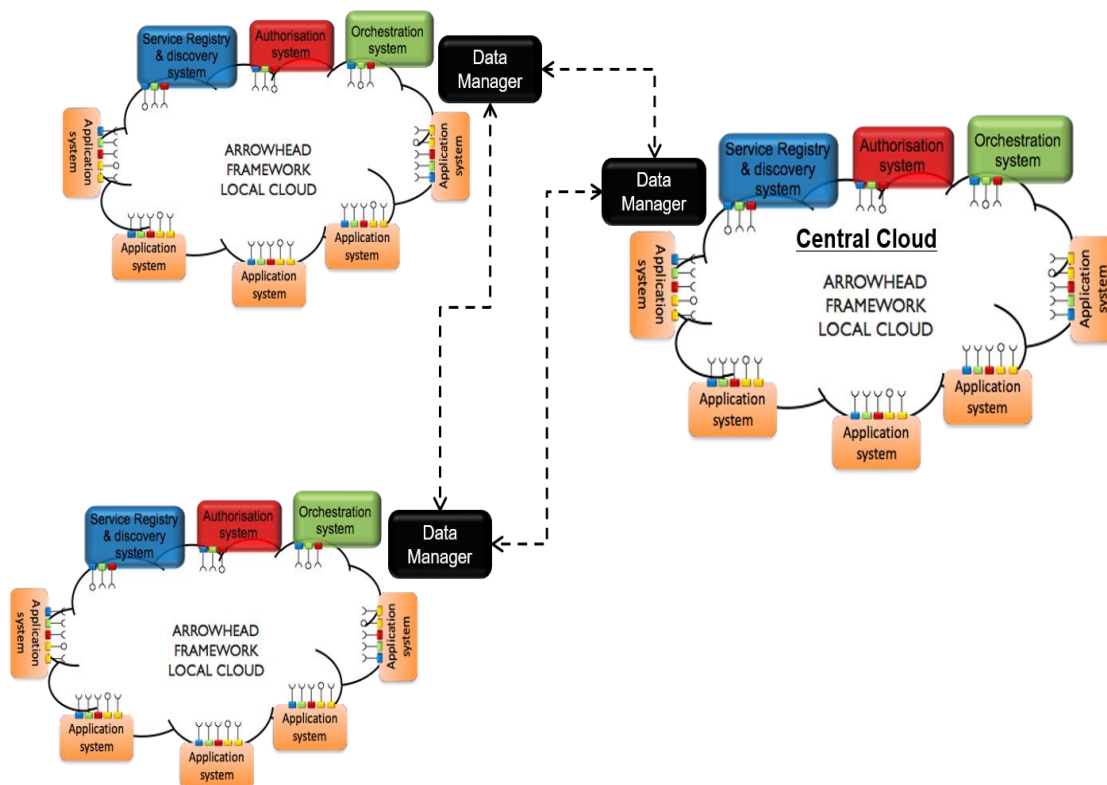
Table 2 Pointers to CP documents

Communication Profile	Path
REST_WS-TLS-XML	Arrowhead CP REST_WS-TLS-XML v1.0.docx

2. Interfaces

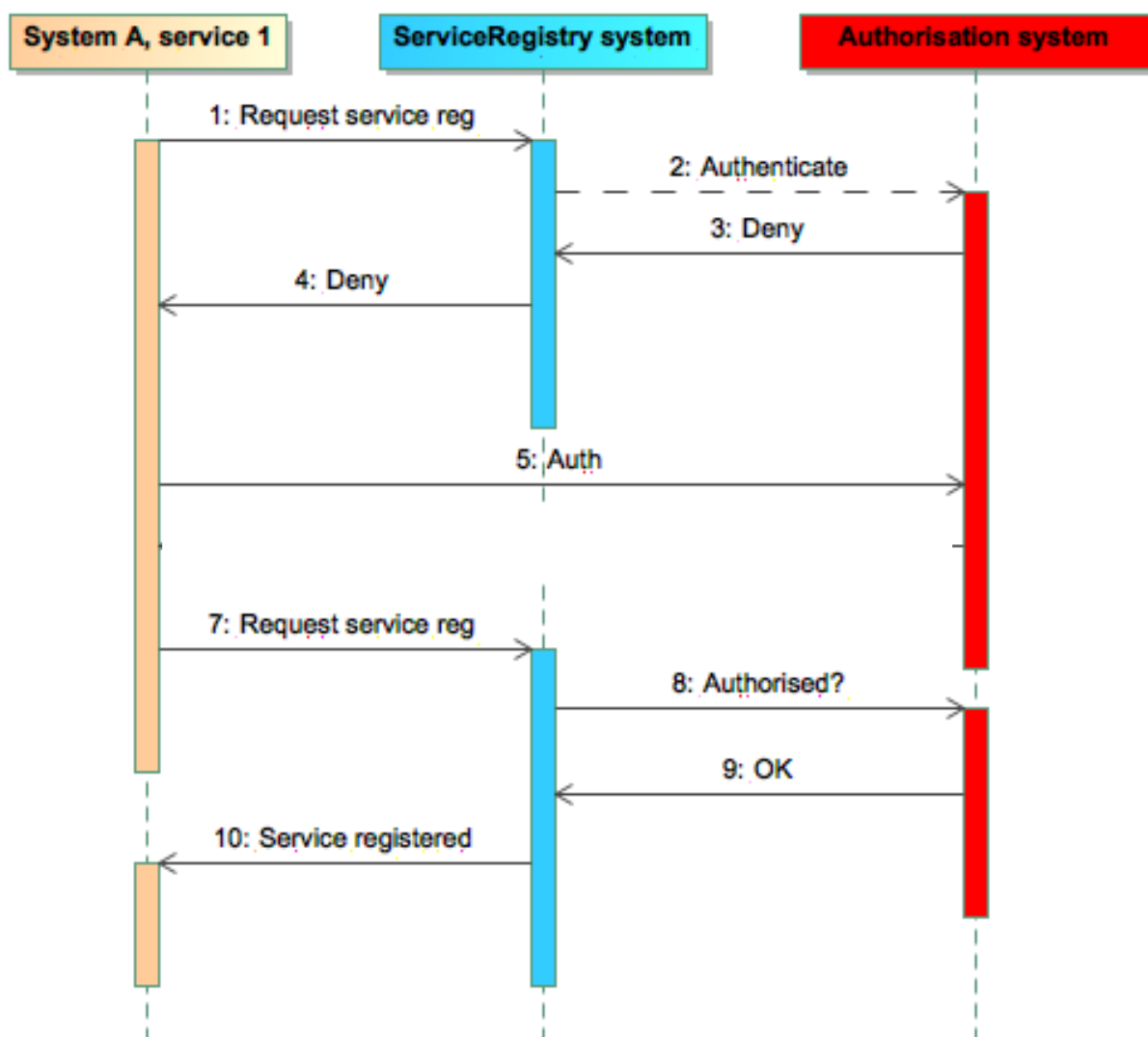
The idea of application is in the diagram below:

A Wind Farm Local Cloud Architecture



3. Information Model

Following design is made to simulate data manager system within available components. Each instance sends the notification and the consumer is not sending any response instead of sending the status code 200.



4. Revision history

4.1. Amendments

No.	Date	Version	Subject of Amendments	Author
1	02-03-2020	0.1	First Draft	Saleha Javed