Title: Arrowhead SysDD Test Producer
Version: 0.1
Status: for approval
Date: 20201210
Author: Gustav Hansson
Contact: gushan-6@student.ltu.se

System Design Description (SysDD) Test Producer

Abstract

This document provides the main template for the description of Arrowhead Systems technological implementations. In this document the solution for the actual implementation of the System is pointed out.

This document is an optional one. If the actual implementation is not needed, the usage of the System Description document should be adequate to reveal the interfaces and services.

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

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1.   System Design Description Overview

Table 1 System Information

Name	Test Producer
Owner	Gustav Hansson

The Test Producer provides an example on how to create a Producer System using the custom Arrowhead C# Client library.

Table 2 Pointers to SysD documents

System name	Path
Test Producer	"./SySD Test Producer.docx"

2.   Internal structure

Table 4 Program files

Producer	1.	https://github.com/97gushan/arrowhead-client-example/tree/master/producer
Client Library	2.	https://github.com/97gushan/arrowhead-client-library
Grapevine	3.	https://github.com/sukona/Grapevine

2.1. Decomposition of the System

This system was developed in C# using the Arrowhead C# Client library. It provides a REST API that is implemented using the Grapevine REST library.

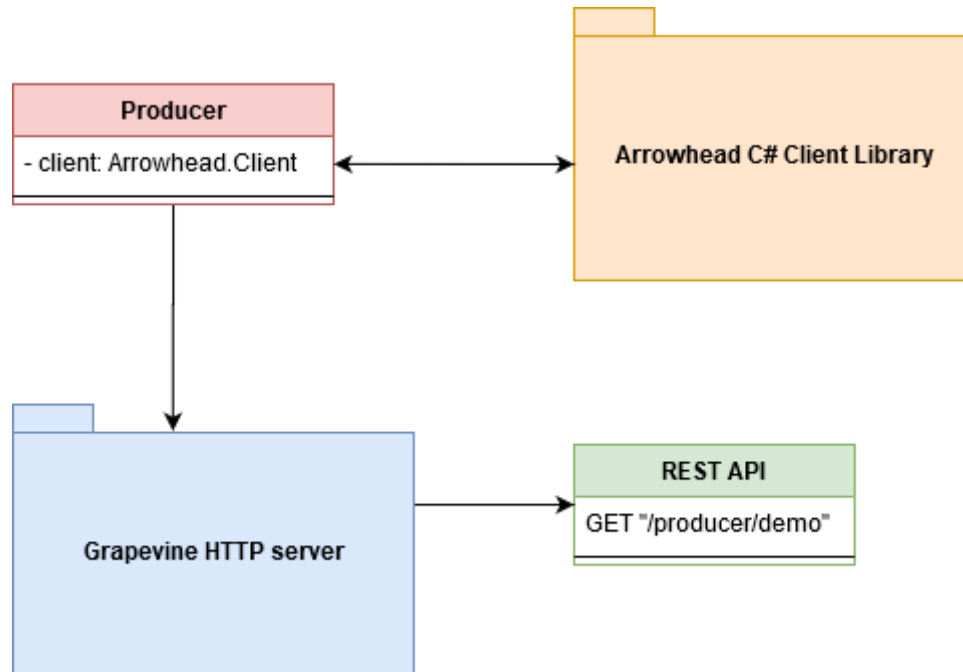**Title:** Arrowhead SysDD Test Producer   Page 4 of 6
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Producer project structure:

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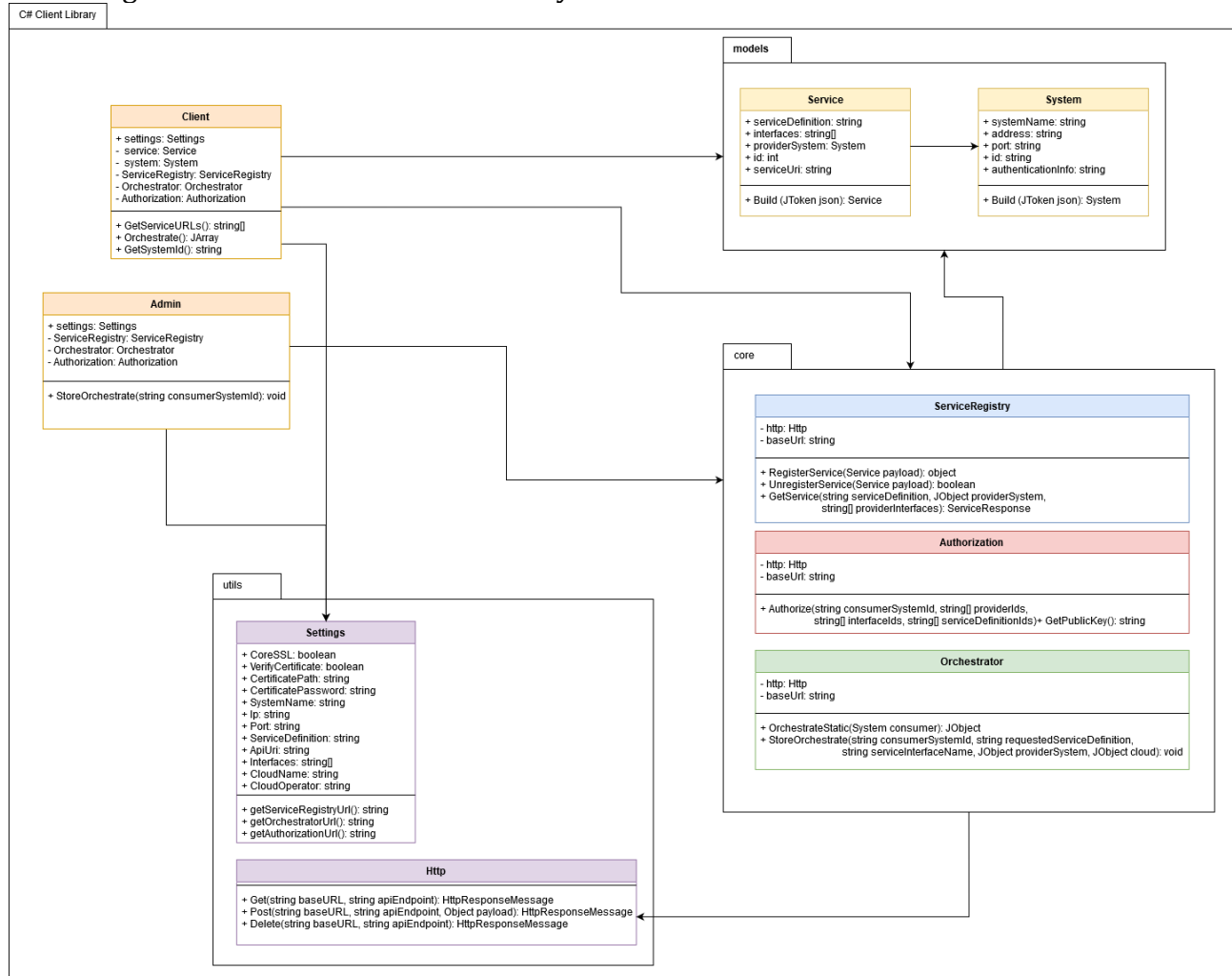**Version:** 0.1
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Class diagram of the Arrowhead C# Library:

3.   Revision history

3.1. Amendments

No.	Date	Version	Subject of Amendments	Author
1	2020-12-10	0.1	First Draft	Gustav Hansson
2				

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3.2. Quality Assurance

No.	Date	Version	Approved by
1			
2			