

# echo HTTP/TLS/TEXT

## Interface Design Description

### Abstract

This document describes a HTTP protocol with TLS payload security and TEXT payload encoding variant of the **echo** service.

## Contents

<b>1 Overview</b>	<b>3</b>
<b>2 Interface Description</b>	<b>4</b>
<b>3 Data Models</b>	<b>5</b>
3.1 text <b>EchoResponse</b> . . . . .	5
<b>4 References</b>	<b>6</b>
<b>5 Revision History</b>	<b>7</b>
5.1 Amendments . . . . .	7
5.2 Quality Assurance . . . . .	7

## 1 Overview

This document describes the **echo** service interface, which enables an "I'm alive" kind monitoring of the system. It's implemented using protocol, encoding as stated in the following table:

Profile type	Type	Version
Transfer protocol	HTTP	1.1
Data encryption	TLS	1.3
Encoding	TEXT	-
Compression	N/A	-

Table 1: Communication and semantics details used for the **echo** service interface

This document provides the Interface Design Description IDD to the *echo – Service Description* document. For further details about how this service is meant to be used, please consult that document.

The rest of this document describes how to realize the **echo** service HTTP/TLS/TEXT interface in details.

## 2 Interface Description

The service responds with the status code `200 Ok` if called successfully. The error codes are `401 Unauthorized` if improper client side certificate is provided and `500 Internal Server Error` if the system is unavailable.

```
1 GET /orchestrator/echo HTTP/1.1
```

Listing 1: An `echo` invocation.

```
1 Got it!
```

Listing 2: An `echo` response.



ARROWHEAD

Document title  
**echo HTTP/TLS/TEXT**  
Date  
**2023-03-02**

Version  
**4.6.0**  
Status  
**RELEASE**  
Page  
**5 (7)**

## 3 Data Models

Here, all data objects that can be part of the service calls associated with this service are listed in alphabetic order.

### 3.1 text **EchoResponse**

Simple text message with the value of "Got it!".



ARROWHEAD

Document title  
**echo HTTP/TLS/TEXT**  
Date  
**2023-03-02**

Version  
**4.6.0**  
Status  
**RELEASE**  
Page  
**6 (7)**

## 4 References



ARROWHEAD

Document title  
**echo HTTP/TLS/TEXT**  
Date  
**2023-03-02**

Version  
**4.6.0**  
Status  
**RELEASE**  
Page  
**7 (7)**

## 5 Revision History

### 5.1 Amendments

No.	Date	Version	Subject of Amendments	Author
1	YYYY-MM-DD	4.6.0		Xxx Yyy

### 5.2 Quality Assurance

No.	Date	Version	Approved by
1	YYYY-MM-DD	4.6.0	Xxx Yyy