

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

1 Overview	3
2 Interface Description	4
3 Data Models	5
3.1 text EchoResponse	5
4 References	6
5 Revision History	7
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 ype	Type	Version
Transfer protocol	HTTP	1.1
Data encryption	TLS	1.3
Encoding	TEXT	-
Compression	N/A	-

Table 1: Communication and sematics 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 /serviceregistry/echo HTTP/1.1
```

Listing 1: A `echo` invocation.

```
1 Got it!
```

Listing 2: A `echo` response.



ARROWHEAD

Document title
echo HTTP/TLS/TEXT
Date
2022-10-25

Version
4.4.0
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
2022-10-25

Version
4.4.0
Status
RELEASE
Page
6 (7)

4 References



ARROWHEAD

Document title
echo HTTP/TLS/TEXT
Date
2022-10-25

Version
4.4.0
Status
RELEASE
Page
7 (7)

5 Revision History

5.1 Amendments

No.	Date	Version	Subject of Amendments	Author
1	YYYY-MM-DD	4.4.0		Xxx Yyy

5.2 Quality Assurance

No.	Date	Version	Approved by
1	YYYY-MM-DD	4.4.0	Xxx Yyy