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

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

```
GET /serviceregistry/echo HTTP/1.1
```

Listing 1: A echo invocation.

```
Got it!
```

Listing 2: A echo response.

3 Data Models

Here, all data objects that can be part of the service calls associated with this service are listed in alphabetic order. Note that each subsection, which describes one type of object, begins with the *struct* keyword, which is meant to denote a JSON Object that must contain certain fields, or names, with values conforming to explicitly named types. As a complement to the primary types defined in this section, there is also a list of secondary types in Section **??**, which are used to represent things like hashes, identifiers and texts.

3.1 struct EchoResponse

Simple text nessage with the value of ”Got it!”.

4 References

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