# orchestration-remove-flexible-store-rule HTTP/TLS/URL

## Interface Design Description

**Abstract**
This document describes a HTTP protocol with TLS security and URL encoding variant of the **orchestration-remove-flexible-store-rule** service.

# Contents

# 1 Overview

This document describes the **orchestration-remove-flexible-store-rule** service interface, which enables systems to remove flexible matching rules from the Orchestrator Core System (if the Orchestrator is in flexible store mode). 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 | URL | RFC 1738 |
| Compression | N/A | - |

Table 1: Communication and semantics details used for the **orchestration-remove-flexible-store-rule** service interface

This document provides the Interface Design Description IDD to the *orchestration-remove-flexible-store-rule – 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 orchestration-remove-flexible-store-rule service HTTP/TLS/URL interface in details.

# 2 Interface Description

The service responses with the status code `200 OK` if called successfully. The error codes are, `400 Bad Request` if request is malformed or the Orchestrator is not in flexible store mode, `401 Unauthorized` if improper client side certificate is provided, `500 Internal Server Error` if Orchestrator is unavailable.

```
1 DELETE /orchestrator/store/flexible/{id} HTTP/1.1
```

Listing 1: An orchestration-remove-flexible-store-rule invocation.

# 3 Data Models

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

## 3.1 Primitives

| Type | Description |
|---|---|
| Number | Any IEEE 754 binary64 floating point number [1], except for *+Inf*, *-Inf* and *NaN*. |
| void | Special 'type' to indicate when a service does not return anything (except some indication that the operation was a success or not). |

# 4 References

[1] M. Cowlishaw, “IEEE Standard for Floating-Point Arithmetic,” *IEEE Std 754-2019 (Revision of IEEE 754-2008)*, July 2019. [Online]. Available: https://doi.org/10.1109/IEEESTD.2019.8766229

# 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 |