

EventUnsubscribe

Service Description

Service ID: *"event-unsubscribe"*

Abstract

This document describes a variant of the EventUnsubscribe service.



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1 Overview

This document describes the Event Unsubscribe Eclipse Arrowhead service, which enables unsubscribing from events. Examples of this interaction is a consumer system would not like to receive a specific event anymore.

The rest of this document is organized as follows. In Section 2, we describe the abstract message functions provided by the service. In Section 3, we end the document by presenting the data types used by the mentioned functions.



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2 Service Interfaces

This section lists the functions that must be exposed by the Event Unsubscribe service in alphabetical order. In particular, each subsection names an abstract interface, an input type and an output type, in that order. The input type is named inside parentheses, while the output type is preceded by a colon. Input and output types are only denoted when accepted or returned, respectively, by the interface in question.

All abstract data types named in this section are defined in Section 3.

2.1 function **Event Unsubscribe** (**UnsubscribeRequest**) : **StatusCodeKind**

This function is used to unsubscribe to an event.

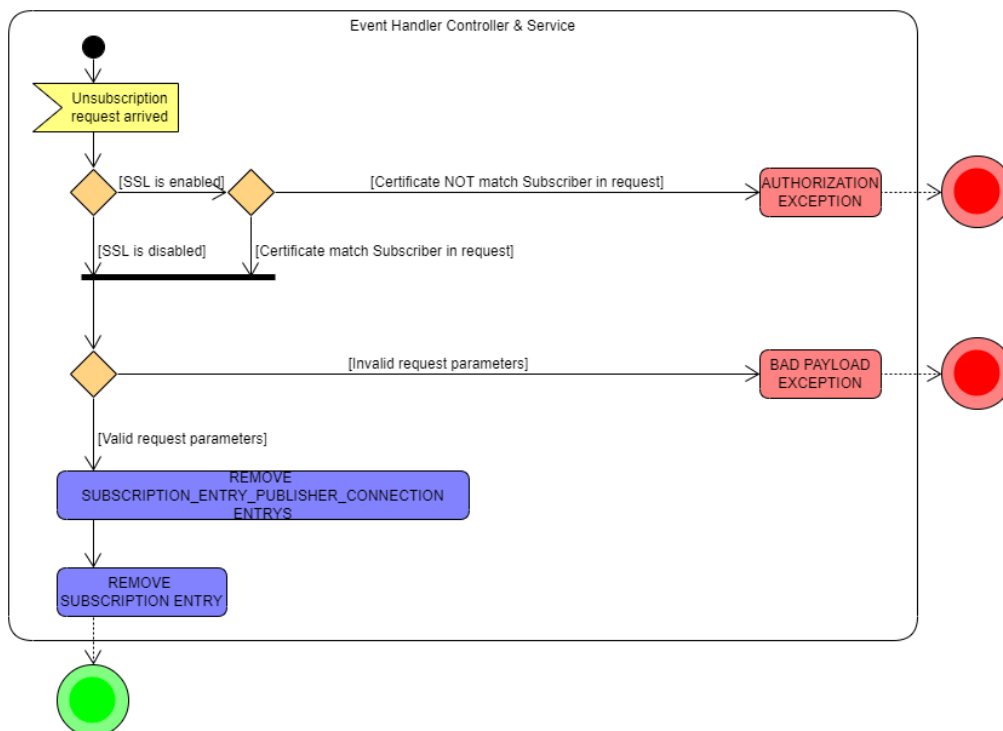


Figure 1: Event Unsubscribe Activity Diagram. v4.3.0 only support HTTP/JSON/TLS.

3 Information Model

Here, all data objects that can be part of the EventUnsubscribe service calls are listed in alphabetic order. Note that each subsection, which describes one type of object, begins with the *struct* keyword, which is used to denote a collection of named fields, each with its own data type. As a complement to the explicitly defined types in this section, there is also a list of implicit primitive types in Section 3.2, which are used to represent things like hashes and identifiers.

3.1 struct UnsubscribeRequest

This structure is used to unsubscribe from an event.

Object Field	Value Type	Description
"address"	String	Address.
"event_type"	String	Event Type.
"port"	PortNumber	Port.
"system_name"	String	System Name.

3.2 Primitives

Types and structures mentioned throughout this document that are assumed to be available to implementations of this service. The concrete interpretations of each of these types and structures must be provided by any IDD document claiming to implement this service.

Type	Description
String	A string identifier that is intended to be both human and machine-readable.
PortNumber	Decimal number in the range of 0-65535

4 Revision History

4.1 Amendments

No.	Date	Version	Subject of Amendments	Author
1	2020-12-05	1.0.0		Tanyi Szvetlin

4.2 Quality Assurance

No.	Date	Version	Approved by
1			