
A standardized event submission API

Magnus Bäck, Axis Communications

An exhaustive list of standardized APIs in the Eiffel ecosystem

1. The REST-based event repository lookup API

What about sending events?

Sending an event is a fundamental operation that nearly all actors need to be able to do.

Direct message bus access isn't always desirable.

A standard HTTP API specification would enforce alignment between implementations.

What could an API look like?

Very much like the /producer/msg endpoint of REMReM Publish?

```
$ curl https://remrem.example.com/producer/msg?mp=eiffelsemantics' \  
  -H 'Content-Type: application/json' -d @- <<EOT  
{  
  "meta": {  
    "id": "07f4b40e-ab8f-4eb7-8e8e-63373b88e0b9",  
    "type": "EiffelCompositionDefinedEvent",  
    "version": "3.0.0"  
  },  
  "data": {"name": "test"},  
  "links": []  
}  
EOT
```

Why not use REMReM Publish directly then?

- Even if events posted to the /producer/msg endpoint are validated, not all Eiffel editions are supported.
- Like other REMReM Publish endpoints, it requires a query parameter that doesn't make any sense outside of Ericsson.
- It supports passing multiple events in the same request, and the response payload reflects this.

Proposal

- Similar to the standardized ER lookup API, define an API for submitting events.
- Use the Eiffel REMReM Publish endpoint as a starting point, but fix the quirks.

Thoughts?