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API Reference

Event Resource

Event Resource



Describes the event resource.

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Description

The event resource contains the information relative to a business or system event that occurred on a specific web page at a given time. Two types of event can be issued:

- **SYSTEM** events are constant and cannot be customized. There are two groups of System events:
 - Visit related (VisitStarted, PageEntered, PageExited);
 - Identity related (SignIn, SignOut, UserInfo).
- **BUSINESS** events are custom events that you can define within the Browser DSL.

The possible event names are listed in the following table:

Name	Type	Description
VisitStarted	SYSTEM	Generated by the browser tier when the customer starts visiting the web site and enters in a first page. It creates a new visit resource. Then, all the pages visited by the customer are associated with this visit resource.
PageEntered	SYSTEM	Generated by the browser tier when the customer enters a page; the Backend Server creates a page resource which is associated with the visit. The page resource can be associated with an identity and a session, according to the identification scope of the customer.
PageExited	SYSTEM	Generated by the browser tier when the customer exits a page; the Backend Server updates accordingly the page resource. If the customer comes back on the page, a new page resource will be created.
SignIn	SYSTEM	Generated by the browser tier when the customer signs in (or gets authenticated with the company web portal). It captures the identification information processed to authenticate the customer, for instance, the e-mail address used to login. When the Backend Server receives this event, it updates or creates the identity resource associated with

Name	Type	Description
		the identity identifier. Additionally, it creates a new session with a unique sessionID across the visit, which becomes the new active session for the current visit.
SignOut	SYSTEM	Generated by the browser tier when the customer signs out. The end date of the session resource is updated and the session is no longer the visit's current active session.
UserInfo	SYSTEM	Generated when the browser tier submits information about the customer. This event occurs when the customer gets recognized or updates his or her profile information.
Timeout or InactivityTimeout	BUSINESS	Default business event with Timeout set to 10 seconds. Generated when the customer's mouse is no longer moving. This business event needs customization through the DSL rules. For further information, read Creating Business Events in the Developer's Guide.
Search	BUSINESS	Default business event. Generated when the web customer is searching on the web site. Needs further DSL customization. For further information, read Creating Business Events in the Developer's Guide section.
<i>Custom name</i>	BUSINESS	Custom business event created through DSL customization. For further information, read Creating Business Events in the Developer's Guide.

Resource Details

Field	Type	Mandatory	Description
eventID	string	yes	The unique ID<ref name="guid"> GUID (Globally Unique Identifier) </ref> of the event resource.

Field	Type	Mandatory	Description
eventName	string	yes	Name of the event. See the Description section for further information.
eventType	SYSTEM, BUSINESS	yes	Event type.
category	string	no	Category related to the generated event.
serverTimestamp	long	yes	Server timestamp.
browserPageID	string	yes	The browser page ID.
globalVisitID	string	yes	Global Visit ID<ref name="guid"/>.
url	string	yes	The url of the page.
timestamp	long	yes	Timestamp. (Difference with the Server timestamp?)
pageID	string	yes	ID<ref name="guid"/> of the associated page resource.
sessionID	string	no	ID<ref name="guid"/> of the associated session resource.
data	string[]	no	Additional JSON data, specific to the event.

<references />

Related Operations

You can retrieve event resources by using the following operations:

- [Query event](#)
- [Query events by identity](#)
- [Query events by page](#)
- [Query events by session](#)
- [Create new event for visit](#)
- [Query events by visit](#)

Examples

Retrieving a UserInfo Event

Operation

GET <http://192.168.73.246:9081/backend/data/events/5cdca781-3fa3-11e2-ae5-00505625a04f>

Response

```
HTTP/1.1 200 OK
Date: Wed, 12 Dec 2012 15:48:08 GMT
Content-Type: application/json; charset=UTF-8
Date: Wed, 12 Dec 2012 15:48:08 GMT
Accept-Ranges: bytes
Server: Restlet-Framework/2.1.0
Content-Length: 587
{"eventID": "5cdca781-3fa3-11e2-ae5-00505625a04f",
 "category": "",
 "eventType": "SYSTEM", "eventName": "UserInfo",
 "serverTimestamp": 1354798164472, "browserPageID": "2D869014426A4CAA8FA5C0D7B8668D0A",
 "globalVisitID": "c93a19a1-45db-4d59-9c85-b637daea4a20",
 "url": "http://www.genesyslab.com/afu_FLS_intermediary.page?returnUrl=?", "timestamp": 1354798163915,
 "visitID": "f24c60f6-0728-4f3d-b8b4-1e7bad2dc8a3",
 "pageID": "5c911f90-3fa3-11e2-ae5-00505625a04f",
 "data": {"userID": "user@genesyslab.com", "sex": "male", "name": "user1", "age": 30}}
```

Retrieving a PageEntered Event

Request

GET <http://192.168.73.246:9081/backend/data/events/c4203381-3fa3-11e2-ae5-00505625a04f>

Response

```
HTTP/1.1 200 OK
Date: Wed, 12 Dec 2012 15:48:08 GMT
Content-Type: application/json; charset=UTF-8
Date: Wed, 12 Dec 2012 15:48:08 GMT
Accept-Ranges: bytes
Server: Restlet-Framework/2.1.0
Content-Length: 587
{"eventID": "c4203381-3fa3-11e2-ae5-00505625a04f", "category": "",
 "eventType": "SYSTEM", "eventName": "PageEntered",
 "serverTimestamp": 1354798337720, "browserPageID": "AA8C3E0B8C9543D58D9CAB122A714124",
 "globalVisitID": "c93a19a1-45db-4d59-9c85-b637daea4a20",
 "url": "http://www.genesyslab.com/%3f", "timestamp": 1354798337628,
 "visitID": "f24c60f6-0728-4f3d-b8b4-1e7bad2dc8a3",
 "pageID": "c489cac0-3fa3-11e2-ae5-00505625a04f",
 "data": {"urlReferrer": "http://www.genesyslab.com/afu_FLS_intermediary.page?returnUrl=%3f",
 "localTime": "2012-12-06T12:52:17.628Z",
 "title": "404 - Not found"}}
```

