

SKILL FOR AMAZON ALEXA

USING EVENTBRITE API AND SCHEMA.ORG VOCABULARY

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CLEMENS DEGASPER

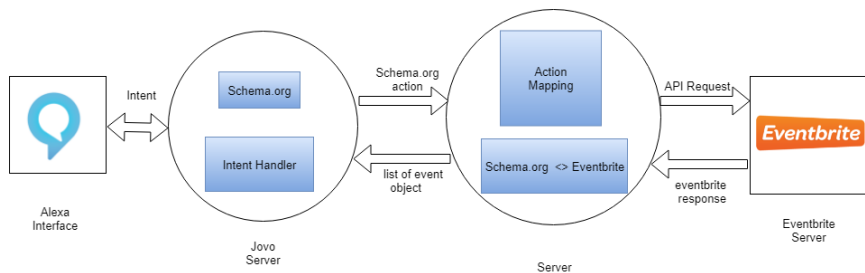
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ARCHITECTURE



AMAZON ALEXA


In General an Alexa Skill consists of:

- **Intents:** An intent represents an action that fulfills a user's spoken request. Intents can optionally have arguments called slots
- **Sample utterances:** A set of likely spoken phrases mapped to the intents
- **Slots:** are defined with different types.
AMAZON.DATE type e.g. to convert words that indicate dates (such as "today" and "next friday") into a date format

For the Alexa Backend we use the jovo framework












- There, every Intent we defined has to be implemented
- An Intent becomes a function
- And Slots become function parameters

ALEXA SKILL

search for events {date} in {location}	
search for events {date}	
search for event in {location}	

< 1 – 3 of 3 >

Intent Slots (2)

ORDER 	NAME 	SLOT TYPE 	ACTIONS
 1	 location	AMAZON.AT_CITY 	Edit Dialog Delete
			
 2	 date	AMAZON.DATE 	Edit Dialog Delete
			

```
1 'SearchEventIntent': function (date, location) {  
2     /*  
3         do something with date and location  
4     */  
5 }
```

SCHEMA.ORG

- **Event Class**
represents an event
- **AddAction**
to create events
- **UpdateAction**
to modify events
- **DeleteAction**
to delete events

```
1 {  
2   "@context": "http://schema.org",  
3   "@type": "Event",  
4   "location": {  
5     "@type": "Place",  
6     "address": {  
7       "@type": "PostalAddress",  
8       "addressLocality": "Innsbruck",  
9       "addressRegion": "Tirol",  
10      "postalCode": "6020",  
11      "streetAddress": "Technikerstrasse 21a"  
12    },  
13    "name": "ICT Building"  
14  },  
15  "name": "OC Seminar - Presentations",  
16  "startDate": "2018-06-20T13:15:00Z",  
17  "endDate": "2018-06-20T15:00:00Z"  
18 }
```

```
1  {  
2    "@context": "http://schema.org",  
3    "@type": "SearchAction",  
4    "query": {  
5      "@type": "Event",  
6      "location": "Innsbruck",  
7      "startDate": "2018-06-20T09:00:00Z",  
8      "endDate": "2018-06-20T20:00:00Z"  
9    }  
10 }
```

```
1 {  
2   "@context": "http://schema.org",  
3   "@type": "AddAction",  
4   "object": {  
5     "@type": "Event",  
6     "name": "OC Seminar - Presentations",  
7     ...  
8   }  
9 }
```

```
1 {  
2   "@context": "http://schema.org",  
3   "@type": "UpdateAction",  
4   "object": {  
5     "@type": "Event",  
6     "identifier": "47621348721",  
7     ...  
8   }  
9 }
```

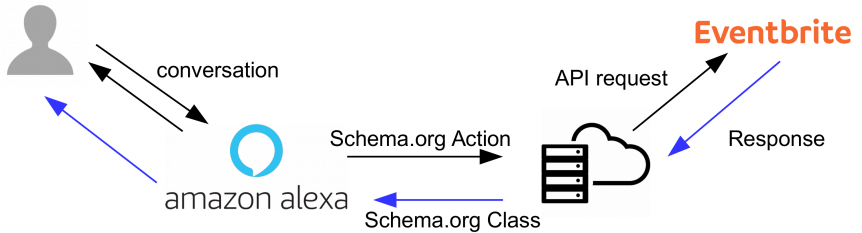
```
1 {  
2   "@context": "http://schema.org",  
3   "@type": "DeleteAction",  
4   "object": {  
5     "@type": "Event",  
6     "identifier": "47621348721"  
7   }  
8 }
```

EVENTBRITE API

Endpoints of `https://www.eventbriteapi.com/v3/` used:

- `events/search/`
GET-Request, search for events
- `events/`
POST Request, create new event
- `events/{id}`
POST-Request, modify or delete event
- `venues/`
POST-Request, create a venue
- `venues/{id}/`
POST-Request, update venue

DEMO



- Search for Events
Today in Graz
- Create Event
OC Seminar, today in Innsbruck
- Modify Event
Change time of OC Seminar
- Delete Event
Delete OC Seminar

LIMITATIONS

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- Waiting time of response (max. 5 seconds)
- if Alexa is setup in English it cannot understand Austrian Street names
- Tickets required for publishing

THANK YOU FOR YOR ATTENTION