

RESTFUL Services

The restful services works exactly like the soap web services, the difference is the architecture that we use to transfer the data from the server to the client

Search Service

SERVICE ADDRESS:

<http://api.okkam.org/okkam-core/jsearch>

Input

- *q* : a string with your query. It can either contain keywords, e.g. "Paolo Bouquet", or a structured query like "QUERY{firstname=paolo}METADATA{entityType=person}"

This call will return a JSONArray object with all the entities that match the input query

The array is a list of 3 JSONObject:

- *o* : the okkamID (String)
- *p* : probability
- *e* : [an entity object, see below]

EXAMPLE

```
[{"e":{"entity_object"},"p":0.5742205904305446,"o":"http://www.okkam.org/ens/idd3d18304-570f-4437-b57a-709f27a632f0"}, {"e":{"entity_object"},"p":0.5040192033630743,"o":"http://www.okkam.org/ens/idb0d21218-57cd-4405-9560-1ba6828a0872"}, ... ]
```

ENTITY object:

- *al*: an array of alternative ids (JSONArray)
- *e*: an array of equivalent ids (JSONArray)
- *p*: preferred id (String)
- *o*: okkam id
- *pr*: entity profile (JSONObject)
 - *s*: semantic type (String)
 - *r*: references (JSONArray)
 - *c*: reference type (String)
 - *p*: the url of the reference (String)

- *a*: attributes (JSONArray)
 - *v*: value (String)
 - *vi*: the okkam id of the attribute (e.g. the ID of European Union if the value is "UE")
 - *n*: the prefix of the attribute

EXAMPLE

```

{"al":["http://sws.geonames.org/6251999/"],
 "e":[],
 "p":"http://www.okkam.org/ens/idd3d18304-570f-4437-b57a-709f27a632f0",
 "o":"http://www.okkam.org/ens/idd3d18304-570f-4437-b57a-709f27a632f0",
 "pr":{"
   "s":"location",
   "r":[{"c":"application/rdf+xml","p":"http://www.geonames.org/6251999/about.rdf"}],
   "a":[
     {"v":"Canada","vi":null,"n":"http://www.geonames.org/ontology#name"},

     {"v":"60.0000000","vi":null,"n":"http://www.w3.org/2003/01/geo/wgs84_pos#latitude"},
     [...],
     ]
   }
}
```

Entity Service

SERVICE ADDRESS:

<http://api.okkam.org/okkam-core/jentity>

Input

- *oid* : the okkam id of the entity to load

This call will return a JSONObject with the following structure:

ENTITY object:

- *al*: an array of alternative ids (JSONArray)
- *e*: an array of equivalent ids (JSONArray)
- *p*: preferred id (String)
- *o*: okkam id
- *pr*: entity profile (JSONObject)
 - *s*: semantic type (String)
 - *r*: references (JSONArray)

- *c*: reference type (String)
- *p*: the url of the reference (String)
- *a*: attributes (JSONArray)
 - *v*: value (String)
 - *vi*: the okkam id of the attribute (e.g. the ID of European Union if the value is "UE")
 - *n*: the prefix of the attribute

EXAMPLE

```
{ "al":["http://sws.geonames.org/6251999/"],
  "e":[],
  "p":"http://www.okkam.org/ens/idd3d18304-570f-4437-b57a-709f27a632f0",
  "o":"http://www.okkam.org/ens/idd3d18304-570f-4437-b57a-709f27a632f0",
  "pr":{
    "s":"location",
    r:[{"c":"application/rdf+xml","p":"http://www.geonames.org/6251999/about.rdf"}],
    "a":[
      {"v":"Canada","vi":null,"n":"http://www.geonames.org/ontology#name"},

      {"v":"60.0000000","vi":null,"n":"http://www.w3.org/2003/01/geo/wgs84_pos#latitude"},
      [...]
    ]
  }
}
```