



ESCO Service Platform - Application Programming Interface

Table of contents

Table of contents	2
Introduction	3
Overview	4
HTTP verbs	4
HTTP status code	4
Headers	4
Errors	5
ESCO resources	5
REST calls	8
General	8
Get concept scheme	8
Get occupation	10
Get Skill	14
Get concept	17
Get related resources	20
Full text search (complete mode)	23
Full text search (quick mode)	27
Suggest	30
Suggest2	33
Use Cases ('How-to' guides)	36
Supported Model Specifications	36
Main classes	36
Known concept schemes	37
Supporting code lists	38
Contributing	38
Questions	38
Bugs	38
Enhancements	39
Annex A: Resource fragments	39
Taxonomy fragment	39
Occupation fragment	40
Skills fragment	41
Concept fragment	42
Annex B: Response Payloads	44
Taxonomy resource	44
Occupation resource	46
Skill resource	60
Concept resource	70
Get related resources	72
Full text search (complete mode)	75
Full text search (quick mode)	92
Suggest	95
Suggest2	95
Annex C. Licensing	98

Introduction

The Commission is providing access to the [ESCO classification](#) through an Application Programming Interface (API). An API is a software component for developers to access data and services in order to build all sorts of applications in a fast and robust way.

The ESCO API is a set of services and functionalities that allows other applications to access the ESCO classification. This allows organisations who are building applications for the labour market or for education/training to use the multilingual ESCO classification in these applications. The content of the messages exchanged via the APIs is based on the ESCO data model specified in Ontology Web Language (OWL).

This document explains the ESCO local API. This API is the downloadable version of the ESCO API, which can be installed locally on a computer or server and thus provides local access to the ESCO API. Compared with the use of the ESCO API hosted by the Commission, the advantage of installing the ESCO API locally is an increased performance and the independence from the availability of the service provided by the Commission (e.g. in case of server downtime).

In the development of the ESCO APIs, the Commission has followed modern development guidelines:

- Pragmatic REST structure: this structure makes an API easier to learn, consume and expand;
- JSON file formats: this is the format of the data that the API consumes and returns as an output;

The first versions of the ESCO APIs are providing the most frequently needed functionality. More functions will be added over time, as feedback is collected from the API users.

This document provides an overview of the current main mechanisms of the ESCO APIs in order to allow the user to explore, browse and search for ESCO resources in an automated way.

Note: All the example output in this document is based on services running at <http://localhost:8082>. This will be different on your system depending on the used installation.

Overview

HTTP verbs

The ESCO API tries to adhere as closely as possible to standard HTTP and REST conventions in its use of HTTP verbs.

Verb	Usage
GET	Used to retrieve an ESCO resource

HTTP status code

The ESCO API tries to adhere as closely as possible to standard HTTP and REST conventions in its use of HTTP status codes.

Status code	Usage
200 OK	The request completed successfully
400 Bad Request	The request was malformed (e.g. illegal value for a given path variable or query parameter). The response body will include an error providing further information
404 Not Found	The requested resource did not exist
500 Internal Server Error	An exception was raised

Headers

Every response has the following header(s):

Name	Description
Content-Type	The media type of the returned content ('application/json;charset=UTF-8' or 'application/hal+json;charset=UTF-8')
Content-Length	The size of the response body

Errors

Whenever an error response (status code ≥ 400) is returned, the body will contain a JSON object that describes the problem. The error object has the following structure:

Path	Type	Description
logref	String	Log ref
status	Number	The HTTP status code applicable to this problem.
message	String	Summary of the problem.
_links	Object	Links section

For example, a request that attempts to retrieve a given ESCO resource but applies a non-existent class path in the request will produce a 400 Bad Request response:

Request

```
GET /resource/taxonom?uri=http://data.europa.eu/esco/concept-  
scheme/occupations HTTP/1.1  
Accept: application/json
```

Response

```
HTTP/1.1 400 Bad Request  
Content-Type: application/json;charset=UTF-8  
Content-Length: 146  
  
{  
  "logref" : "BadInputException",  
  "status" : 400,  
  "message" : "Illegal/Unknown type parameter values: ('taxonom')",  
  "_links" : null  
}
```

ESCO resources

The ESCO API describes and exposes resources that belong to a certain class. The main classes described in the ESCO API are listed in Main classes.

In ESCO each resource can be identified and retrieved by means of its URI, the unique and persistent identifier of the resource.

JSON HAL representation

The ESCO API is hypermedia driven. Resources include links to other resources in their responses. Responses are in Hypertext Application Language (HAL) format. Links can be found beneath the `_links` key. Users of the API should not create URIs themselves, instead they should use the above-described links to navigate.

The payload of a response in the ESCO API is a JSON object according the HAL model representing the requested Resource.

General format of the JSON representation of a Resource

```
{
  "someResourcePropertyA":null,
  "someResourcePropertyB":null,
  "title" : "",
  "_links" : {
    "self": {
      "uri" : "",
      "href" : "",
      "title" : "",
    },
    "someRelationA": [{
      "uri" : "",
      "href" : "",
      "title" : "",
    }],
    "someRelationB" : []
  },
  "_embedded" : {
    "someRelationC" : [{
      "someResourcePropertyX":null,
      "title" : "",
      "_links" : {
        "self": {},
        "someRelation": []
      },
      "_embedded" : {}
    }],
    "someRelationD" : []
  }
}
```

Properties on the JSON-object representing a Resource:

Property	Type	Description
Resource properties (Direct properties)	Any (i.e. String, Number, Object, Array,...)	The resource section contains general metadata fields describing the returned Resource

Property	Type	Description
on the JSON object)		
title	String	The default label of the resource. This property provides a human-readable identifier in the negotiated language.
_links	Object	The links section. The value of this property is a map containing links to other related resources indexed by relation name. A link to a Resource is represented by a Link-object . Each Resource-object contains a 'self' link, a relation whose target is the described resource itself.
_embedded	Object	The embedded resource section. The value of this property is a map containing embedded resources (i.e. other resources contained within it) indexed by relation name.

Properties on a Link-object representing a link to a related Resource:

Property	Type	Description
uri	String	The uri of the related resource. It is the unique and persistent identifier of the related resource.
href	String	The hyperlink to navigate to the related resource.
title	String	The default label of the related resource. This property provides a human-readable identifier in the negotiated language.
code	String	An optional code of the related resource. See codelists .

All Link-objects and (embedded) Resource-objects are labelled with a title-property:

- A human-readable identifier in the negotiated language.
- If the default label is not available in the negotiated language, the label in the fallback language 'english' is shown.

The title-property should not be seen as metadata. It is purely descriptive and provides a default label with a human-readable identifier.

REST calls

General

Language negotiation

The response language is the language used to show and/or filter language specific properties or results in the response:

- Used to label a Link Object with a human-readable identifier, i.e. the title-property on a Link Object.
- Used to label a Resource with a human-readable identifier, i.e. the title-property' on a Resource.
- Used to restrict text searches in a specific language.

The response language can be given or negotiated by:

- The Accept-Language header
- An optional language parameter that overwrites the Accept-Language header

In case the negotiated language is not supported, the default fallback language 'english' is used.

Get concept scheme

Get a resource of class Taxonomy (~ a concept scheme) by its universal identifier (~ a URI).

This service can be used as entry point for hierarchical display of ESCO resources. The returned Taxonomy resource includes links to the top level concepts within the concept hierarchy of the concept scheme.

ESCO organizes different 'kind' of concept resources in different concept schemes. Concepts come in compiled vocabularies, such as thesauri or classification schemes. Concepts might also be grouped or organised into collections. The available concept schemes are listed in Known concept schemes.

HTTP Request

Example

```
GET /resource/taxonomy?uri=http://data.europa.eu/esco/concept-  
scheme/isco&language=fr HTTP/1.1  
Accept: application/json  
Accept-Language: en-GB
```


Request parameters:

Parameter	Description	Constraints	Cardinality
uri	The unique identifier of the requested resource		1
language	The default language of the returned response. Overwrites the Accept-Language header. (see Language negotiation)	ISO 639 alpha-2 language code	0..1

Request headers:

Name	Description
Accept	application/json or application/hal+json
Accept-Language	The default language of the returned response. Optional and might be overwritten by the language request parameter. (see Language negotiation)

HTTP Response

Response headers:

Name	Description
Content-Type	The media type of the returned content ('application/json;charset=UTF-8' or 'application/hal+json;charset=UTF-8')
Content-Length	The size of the response body

The payload of the response is a JSON HAL representation of a Taxonomy resource.

Properties on the returned JSON Object representing a Taxonomy resource:

Path	Type	Description
className	String	The class name of the described resource
classId	String	The class id of the described resource
uri	String	The uri of the resource. It is the unique and persistent identifier of the described resource.

Path	Type	Description
title	String	The defaulted label of the resource. This property provides a human-readable identifier in the negotiated language. (see Title property)
preferredLabel	Object	The title of the concept scheme. The value of this field is a map containing string literals indexed by language (i.e. the ISO 639 alpha-2 language code).
alternativeLabel	Object	An alternative title of the concept scheme. The value of the field is a map containing arrays of string literals indexed by language (i.e. the ISO 639 alpha-2 language code).
_links	Object	The links section. The value of this field is a map containing links to other resources indexed by relation name. A link to a Resource is represented by a Link-object .
_embedded	Object	The embedded resource section. The value of this field is a map containing embedded Resource-objects indexed by relation name.

Properties (~ relations) in the `_links`-section:

Relation	Description
self	Link to the resource itself. The value of this field is a Link whose target is the described resource itself
hasTopConcept	A top level concept within the concept hierarchy of the concept scheme. The value of this field is an array containing Links to top level resources. A top level resource can be a Concept-, Occupation- or Skill resource.

Get occupation

Get a resource of class Occupation by its universal identifier (~ a URI).

HTTP Request

Example

```
GET /resource/occupation?uri=http://data.europa.eu/esco/occupation/
cb93fd23-1f51-4495-867a-936c1967066b&language=en HTTP/1.1
Accept: application/json
Accept-Language: en-GB
```

Parameter	Description	Constraints	Cardinality
uri	The unique identifier of the requested resource		1
language	The default language of the returned response. Overwrites the Accept-Language header. (see Language negotiation)	ISO 639 alpha-2 language code	0..1

Request headers:

Name	Description
Accept	application/json or application/hal+json
Accept-Language	The default language of the returned response. Optional and might be overwritten by the language request parameter. (see Language negotiation)

HTTP Response

Response headers:

Name	Description
Content-Type	The media type of the returned content ('application/json;charset=UTF-8' or 'application/hal+json;charset=UTF-8')
Content-Length	The size of the response body

The payload of the response is a JSON HAL representation of an Occupation resource.

Properties on the returned JSON Object representing an Occupation resource:

Path	Type	Description
className	String	The class name of the described resource
classId	String	The class id of the described resource
uri	String	The uri of the resource. It is the unique and persistent identifier of the described resource.
title	String	The defaulted label of the resource. This property

Path	Type	Description
		provides a human-readable identifier in the negotiated language. (see Title property)
referenceLanguage	Array	The reference language is the default language in which the information about the occupation is provided. The value of this field is an array containing ISO 639-1 two-letter language codes.
preferredLabel	Object	The preferred label of the occupation. The value of this field is a map containing string literals indexed by language.
alternativeLabel	Object	An alternative label of the occupation. The value of this field is a map containing arrays of string literals indexed by language.
description	Object	The description of the occupation. The value of this field is a map containing <u>Text Nodes</u> indexed by language.
definition	Object	An abstract description of the occupation. The value of this field is a map containing <u>Text Nodes</u> indexed by language.
scopeNote	Object	A scope note about the occupation. The value of this field is a map containing <u>Text Nodes</u> indexed by language.
status	String	The publication status of the occupation. The value of this field is a string indicating the publication status.
_links	Object	The links section. The value of this field is a map containing links to other resources indexed by relation name. A link to a Resource is represented by a <u>Link-object</u> .
_embedded	Object	The embedded resource section. The value of this field is a map containing embedded Resource-objects indexed by relation name.

Properties of a Text Node object:

Path	Type	Description
literal	String	The text snippet.
mimetype	String	The mimetype of the text snippet. Possible values are: plain/text or text/html

Properties (~ relations) in the _links-section:

Relation	Description
self	Link to the resource itself. The value of this field is a <u>Link</u> whose target is the described resource itself
isTopConceptInScheme	A concept scheme that contains this occupation at the top level of its concept hierarchy. The value of this field is an array containing <u>Links</u> to the relevant Taxonomy resources.
isInScheme	A concept scheme that contains this occupation. The value of this field is an array containing <u>Links</u> to the relevant Taxonomy resources.
iscoUnitGroup	The preferred ISCO unit group. The value of this field is a <u>Link</u> to a Concept resource representing the ISCO unit group.
regulatedProfessionNote	
broaderIscoGroup	A broader related ISCO unit group. The value of this field is an array containing <u>Links</u> to Concept resources representing the broader ISCO unit groups.
broaderOccupation	A broader related occupation. The value of this field is an array containing <u>Links</u> to broader Occupation resources.
broaderConcept	A broader related concept which is not an occupation neither an ISCO unit group. The value of this field is an array containing <u>Links</u> to broader Concept resources.
narrowerOccupation	A narrower related occupation. The value of this field is an array containing <u>Links</u> to narrower Occupation resources.
narrowerConcept	A narrower related concept which is not an occupation neither an ISCO unit group. The value of this field is an array containing <u>Links</u> to narrower Concept resources.

Relation	Description
hasEssentialSkill	An essential skill for this occupation. The value of this field is an array containing Links to essential Skill resources.
hasOptionalSkill	An optional skill for this occupation. The value of this field is an array containing Links to optional Skill resources.

Get Skill

Get a resource of class Skill by its universal identifier (~ a URI).

HTTP Request

Example

```
GET /resource/skill?uri=http://data.europa.eu/esco/skill/a59708e3-
e654-4e37-8b8a-741c3b756eee&language=en HTTP/1.1
Accept: application/json
Accept-Language: en-GB
```

Request parameters:

Parameter	Description	Constraints	Cardinality
uri	The unique identifier of the requested resource		1
language	The default language of the returned response. Overwrites the Accept-Language header. (see Language negotiation)	ISO 639 alpha-2 language code	0..1

Request headers:

Name	Description
Accept	application/json or application/hal+json
Accept-Language	The default language of the returned response. Optional and might be overwritten by the language request parameter. (see Language negotiation)

HTTP Response

Response headers:

Name	Description
Content-Type	The media type of the returned content ('application/json;charset=UTF-8' or 'application/hal+json;charset=UTF-8')
Content-Length	The size of the response body

The payload of the response is a JSON HAL representation of a Skill resource.

Properties on the returned JSON Object representing a Skill resource:

Path	Type	Description
className	String	The class name of the described resource
classId	String	The class id of the described resource
uri	String	The uri of the resource. It is the unique and persistent identifier of the described resource.
title	String	The defaulted label of the resource. This property provides a human-readable identifier in the negotiated language. (see Title property)
referenceLanguage	Array	The reference language is the default/reference language in which the information about the skill is provided. The value of this field is an array containing ISO 639-1 two-letter language codes.
preferredLabel	Object	The preferred label of the skill. The value of this field is a map containing string literals indexed by language.
alternativeLabel	Object	An alternative label of the skill. The value of this field is a map containing arrays of string literals indexed by language.
description	Object	The description of the skill. The value of this field is a map containing Text Nodes indexed by language.
definition	Object	An abstract description of the skill. The value of this field is a map containing Text Nodes indexed by language.

Path	Type	Description
scopeNote	Object	A scope note about the skill. The value of this field is a map containing Text Nodes indexed by language.
status	String	The publication status of the skill. The value of this field is a string indicating the publication status.
_links	Object	The links section. The value of this field is a map containing links to other resources indexed by relation name. A link to a Resource is represented by a Link-object .
_embedded	Object	The embedded resource section. The value of this field is a map containing embedded Resource-objects indexed by relation name.

Properties (~ relations) in the _links-section:

Relation	Description
self	Link to the resource itself. The value of this field is a Link whose target is the described resource itself
isTopConceptInScheme	A concept scheme that contains this skill at the top level of its concept hierarchy. The value of this field is an array containing Links to the relevant Taxonomy resources.
isInScheme	A concept scheme that contains this skill. The value of this field is an array containing Links to the relevant Taxonomy resources.
hasSkillType	A concept representing the skill type (see Esco Skill Types). The value of this field is a Link to the relevant Concept resource.
hasReuseLevel	A concept representing the skill reuse level (see ESCO Skill Reusability Levels). The value of this field is a Link to the relevant Concept resource.
broaderSkillGroup	A broader related skill group. The value of this field is an array containing Links to broader Concept resources.
broaderSkill	A broader related skill. The value of this field is an array containing Links to broader Skill resources.
broaderConcept	A broader related concept which is not a skill neither a skill

Relation	Description
	group. The value of this field is an array containing Links to broader Concept resources.
narrowerSkill	A narrower related skill. The value of this field is an array containing Links to narrower Skill resources.
narrowerConcept	A narrower related concept which is not a skill. The value of this field is an array containing Links to narrower Conceptresources.
hasEssentialSkill	An essential skill for this skill. The value of this field is an array containing Links to essential Skill resources.
hasOptionalSkill	An optional skill for this skill. The value of this field is an array containing Links to optional Skill resources.
isEssentialForOccupation	An occupation with this skill as essential. The value of this field is an array containing Links to essential Occupationresources.
isOptionalForOccupation	An occupation with this skill as optional. The value of this field is an array containing Links to optional Occupationresources.
isEssentialForSkill	A skill with this skill as essential. The value of this field is an array containing Links to essential Skill resources.
isOptionalForSkill	A skill with this skill as optional. The value of this field is an array containing Links to optional Skill resources.

Get concept

Get a resource of class Concept by its universal identifier (~ a URI).

HTTP Request

Example

```
GET /resource/concept?uri=http://data.europa.eu/esco/isco/
C2654&language=en HTTP/1.1
Accept: application/json
Accept-Language: en-GB
```

Request parameters:

Parameter	Description	Constraints	Cardinality
uri	The unique identifier of the requested resource		1
language	The default language of the returned response. Overwrites the Accept-Language header. (see Language negotiation)	ISO 639 alpha-2 language code	0..1

Request headers:

Name	Description
Accept	application/json or application/hal+json
Accept-Language	The default language of the returned response. Optional and might be overwritten by the language request parameter. (see Language negotiation)

HTTP Response

Response headers:

Name	Description
Content-Type	The media type of the returned content ('application/json;charset=UTF-8' or 'application/hal+json;charset=UTF-8')
Content-Length	The size of the response body

The payload of the response is a JSON HAL representation of a Concept resource.

Properties on the returned JSON Object representing a Concept resource:

Path	Type	Description
className	String	The class name of the described resource
classId	String	The class id of the described resource
uri	String	The uri of the resource. It is the unique and persistent

Path	Type	Description
		identifier of the described resource.
title	String	The defaulted label of the resource. This property provides a human-readable identifier in the negotiated language. (see Title property)
preferredLabel	Object	The preferred label of the concept. The value of this field is a map containing string literals indexed by language.
alternativeLabel	Object	An alternative label of the concept. The value of this field is a map containing arrays of string literals indexed by language.
code	String	The default code for the concept (see concept codes). The value of this field is a string indicating the default code.
codes	Array	The used codes for the concept (see concept codes). The value of this field is an array containing Codes .
description	Object	The description of the concept. The value of this field is a map containing string literals indexed by language.
definition	Object	An abstract description of the concept. The value of this field is a map containing string literals indexed by language.
scopeNote	Object	A scope note about the concept. The value of this field is a map containing string literals indexed by language.
_links	Object	The links section. The value of this field is a map containing links to other resources indexed by relation name. A link to a Resource is represented by a Link-object .
_embedded	Object	The embedded resource section. The value of this field is a map containing embedded Resource-objects indexed by relation name.

Properties of a Code object:

Path	Type	Description
datatype	String	The datatype of the code literal. Used to identify the code type or the code list to which the code belongs to. (see Supporting code lists)

Path	Type	Description
value	String	The code literal. The value of this field is a string.

Properties (~ relations) in the `_links`-section:

Relation	Description
self	Link to the resource itself. The value of this field is a Link whose target is the described resource itself
isTopConceptInScheme	A concept scheme that contains this concept at the top level of its concept hierarchy. The value of this field is an array containing Links to the relevant Taxonomy resources.
isInScheme	A concept scheme that contains this concept. The value of this field is an array containing Links to the relevant Taxonomy resources.
broaderOccupation	A broader related occupation. The value of this field is an array containing Links to broader Occupation resources.
broaderSkill	A broader related skill. The value of this field is an array containing Links to broader Skill -resources.
broaderConcept	A broader related concept which is not a skill neither an occupation. The value of this field is an array containing Links to broader Concept resources.
narrowerOccupation	A narrower related occupation. The value of this field is an array containing Links to narrower Occupation resources.
narrowerSkill	A narrower related skill. The value of this field is an array containing Links to narrower Skill resources.
narrowerConcept	A narrower related concept which is not a skill neither an occupation. The value of this field is an array containing Links to narrower Concept resources.

Get related resources

Get the related resources of a given resource by a given relation.

By default a partial JSON Object representation of each related resource (~ a fragment) is returned. Passing the parameter 'full=true', will return a full JSON Object representation of each resource but this implies a higher response time.

HTTP Request

Example

```
GET /resource/related?uri=http://data.europa.eu/esco/concept-
scheme/occupations&relation=hasTopConcept&language=en&offset=2&limit=
2 HTTP/1.1
Accept: application/json
Accept-Language: en-GB
```

Request parameters:

Parameter	Description	Constraints	Cardinality
uri	The unique identifier of the resource to get the related resources from		1
relation	The relation to get the related resources for	Must be a known relation of the class the resource belongs to. See the according Links-section of a concept scheme, occupation, skill or concept - resource.	1
language	The default language of the returned response. Overwrites the Accept-Language header. (see Language negotiation)	ISO 639 alpha-2 language code	0..1
limit	The maximum number of returned resources in the response. Supports paging where the 'limit' specifies the maximum page size.	Defaults to 20	0..1
offset	The offset of the returned resources in the response.	Zero-based numbering. Defaults to 0	0..1

Parameter	Description	Constraints	Cardinality
	Supports paging where the 'offset' specifies the page number.		
full	If set to 'true' the full 'HAL' Object representation of each related resource is returned.	Defaults to 'false'	0..1

Remark

For concept resources (classes Occupation, Skill, Concept) an additional relation hasBroaderTransitive is supported

Request headers:

Name	Description
Accept	application/json or application/hal+json
Accept-Language	The default language of the returned response. Optional and might be overwritten by the language request parameter. (see Language negotiation)

HTTP Response

Response headers:

Name	Description
Content-Type	The media type of the returned content ('application/json;charset=UTF-8' or 'application/hal+json;charset=UTF-8')
Content-Length	The size of the response body

The payload of the response is a JSON HAL representation of the queried result set.

Properties on the returned JSON Object representing the queried result set:

Path	Type	Description
total	Number	The total number of related resources found.

Path	Type	Description
offset	Number	The offset of the returned resources. Supports paging where the 'offset' specifies the page number (zero-based numbering).
limit	Number	The maximum number of returned resources. Supports paging where the 'limit' specifies the maximum page size
language	String	The default language of the response.
uri	String	The uri of the resource to get related resources from.
relation	String	The relation to query related resources for.
_links	Object	The links section. The value of this field is a map containing links to other resources indexed by relation name. A link to a Resource is represented by a Link-object .
_embedded	Object	The embedded resource section. The value of this field is a map containing embedded Resource-objects indexed by relation name.

Properties (~ relations) in the `_links`-section:

Relation	Description
self	Link to the resource itself. The value of this field is a Link whose target is the described resource itself
prev	The previous page with search results.
next	The next page with search results.

Properties in the `embedded`-section:

Path	Type	Description
hasTopConcept	Array	The actual set of related resources for the given relation (e.g. 'hasTopConcept') . The value of this field is an array containing the JSON Object representations of each related resource in the result set

Full text search (complete mode)

Get all resources of a given class matching a plain text in a given language.

This is a full text search on the preferred labels, the alternate labels, the hidden labels and the description of a resource. The search must be scoped on class type and language. The search result is paged.

Passing parameter `full=true`, will return a full JSON Object representation of each resource. This implies a higher response time compared to the full text search in quick mode.

HTTP Request

Example

```
GET /search?text=manager&language=en&type=occupation&type=
skill&type=concept&facet=type&facet=isInScheme&limit=2&offset=2&full
=true HTTP/1.1
Accept: application/json
Accept-Language: en-GB
```

Request parameters:

Parameter	Description	Constraints	Cardinality
text	The text to search for. If omitted all returned resources in the response are ordered by preference label.		0..1
language	The language of the text to search. Overwrites the Accept-Language header. (see Language negotiation)	ISO 639 alpha-2 language code	0..1
type	The class of resources to search for. Filter parameter, the search is restricted to resources that belong to at least one of the given classes.	Value must be the path of a known class	0..n
isInScheme	The concept scheme to search for resources that are contained in it. Filter parameter, the search is restricted to resources that are contained in at least one of the given concept schemes.	Value must be the uri of a known concept scheme	0..n
facet	The facet to count for. The response will return for each different value of the given facet the number of occurrences in the search result set.	Supported facets are 'type' and/or 'isInScheme'	0..n
limit	The maximum number of returned resources in the response. Supports paging where the 'limit' specifies the maximum page size.	Defaults to 20	0..1

Parameter	Description	Constraints	Cardinality
offset	The offset of the returned resources in the response. Supports paging where the 'offset' specifies the page number	Zero-based numbering. Defaults to 0	0..1
full	Set to 'true' to get the full 'HAL' Object representations of the returned resources.	Set to 'true'	1

Request headers:

Name	Description
Accept	application/json or application/hal+json
Accept-Language	The default language of the returned response. Optional and might be overwritten by the language request parameter. (see Language negotiation)

HTTP Response

Response headers:

Name	Description
Content-Type	The media type of the returned content ('application/json;charset=UTF-8' or 'application/hal+json;charset=UTF-8')
Content-Length	The size of the response body

The payload of the search is a JSON HAL representation of the search result set.

Properties on the returned JSON Object representing a search result set:

Path	Type	Description
total	Number	The total number of resources found.
offset	Number	The offset of the returned resources. Supports paging where the 'offset' specifies the page number (zero-based numbering).
limit	Number	The maximum number of returned resources. Supports

Path	Type	Description
		paging where the 'limit' specifies the maximum page size
text	String	The text that was searched on.
language	String	The language of the text that was searched on.
type	Array	The class(es) of resources that was searched for.
isInScheme	Null	The concept scheme(s) that was searched through.
facet	Array	The counted facet(s)
facets	Object	Per facet the different values and the number of occurrences (count) in the result set.
_links	Object	The links section. The value of this field is a map containing links to other resources indexed by relation name. A link to a Resource is represented by a Link-object .
_embedded	Object	The embedded resource section. The value of this field is a map containing embedded Resource-objects indexed by relation name.

Properties (~ relations) in the `_links`-section:

Relation	Description
self	Link to the resource itself. The value of this field is a Link whose target is the described resource itself
prev	The previous page with search results.
next	The next page with search results.

Properties in the `embedded`-section:

Path	Type	Description
results	Array	The actual result set of the search. The value of this field is an array containing the full JSON Object representations of the resources in the result set

Full text search (quick mode)

Get all resources of a given class matching a plain text in a given language.

This is a full text search on the preferred labels, the alternate labels, the hidden labels and the description of a resource. The search must be scoped on class type and language. The search result is paged.

Passing parameter `full=false` (or omitting the parameter as `false` is the default value), will only return a partial JSON Object representation of each resource (~ a fragment). This implies a lower response time compared to the full text search in complete mode.

HTTP Request

Example

```
GET
/search?text=manager&language=en&type=occupation&type=skill&type=concept&facet=type&facet=isInScheme&limit=2&offset=2 HTTP/1.1
Accept: application/json
Accept-Language: en-GB
```

Request parameters:

Parameter	Description	Constraints	Cardinality
text	The text to search for. If omitted all returned resources in the response are ordered by preference label.		0..1
language	The language of the text to search. Overwrites the Accept-Language header. (see Language negotiation)	ISO 639 alpha-2 language code	0..1
type	The class of resources to search for. Filter parameter, the search is restricted to resources that belong to at least one of the given classes.	Value must be the path of a known class	0..n
isInScheme	The concept scheme to search for resources that are contained in it. Filter parameter, the search is restricted to resources that are contained in at least one of the given concept schemes.	Value must be the uri of a known concept scheme	0..n
facet	The facet to count for. The response will return for each different value of the given facet the number of occurrences in the search result set.	Supported facets are 'type' and/or 'isInScheme'	0..n
limit	The maximum number of returned resources in the response. Supports	Defaults to 20	0..1

Parameter	Description	Constraints	Cardinality
	paging where the 'limit' specifies the maximum page size.		
offset	The offset of the returned resources in the response. Supports paging where the 'offset' specifies the page number	Zero-based numbering. Defaults to 0	0..1
full	Set to 'false' to get only a partial JSON Object representation of each resource (~ a fragment)	Set to 'false'. Can be omitted, defaults to 'false'	0..1

Request headers:

Name	Description
Accept	application/json or application/hal+json
Accept-Language	The default language of the returned response. Optional and might be overwritten by the language request parameter. (see Language negotiation)

HTTP Response

Response headers:

Name	Description
Content-Type	The media type of the returned content ('application/json;charset=UTF-8' or 'application/hal+json;charset=UTF-8')
Content-Length	The size of the response body

The payload of the search is a JSON HAL representation of the search result set.

Properties on the returned JSON Object representing a search result set:

Path	Type	Description
total	Number	The total number of resources found.
offset	Number	The offset of the returned resources. Supports paging where

Path	Type	Description
		the 'offset' specifies the page number (zero-based numbering).
limit	Number	The maximum number of returned resources. Supports paging where the 'limit' specifies the maximum page size
text	String	The text that was searched on.
language	String	The language of the text that was searched on.
type	Array	The class(es) of resources that was searched for.
isInScheme	Null	The concept scheme(s) that was searched through.
facet	Array	The counted facet(s)
facets	Object	Per facet the different values and the number of occurrences (count) in the result set.
_links	Object	The links section. The value of this field is a map containing links to other resources indexed by relation name. A link to a Resource is represented by a Link-object .
_embedded	Object	The embedded resource section. The value of this field is a map containing embedded Resource-objects indexed by relation name.

Properties (~ relations) in the `_links`-section:

Relation	Description
self	Link to the resource itself. The value of this field is a Link whose target is the described resource itself
prev	The previous page with search results.
next	The next page with search results.

Properties in the `embedded`-section:

Path	Type	Description
------	------	-------------

Path	Type	Description
results	Array	The actual result set of the search. The value of this field is an array containing a partial JSON Object representation of each resource in the result set

Suggest

Get all resources of a given class matching a preferred label in a given language.

This is a full text search on the preferred label of a resource. The search must be scoped on class type and language. The search result is paged.

This service returns a partial JSON Object representation of each resource (~ a fragment). A typical use of this call is autocomplete.

This method is deprecated. Use instead a new implementation of the suggest service.

HTTP Request

Example

```
GET /suggest?type=occupation&language=en&text=manager&offset=
2&limit=2 HTTP/1.1
Accept: application/json
Accept-Language: en-GB
```

Request parameters:

Parameter	Description	Constraints	Cardinality
text	The text to search for. If omitted all resource for the given type are returned ordered by preference label.		0..1
language	The language of the text to search. Overwrites the Accept-Language header. (see Language negotiation)	ISO 639 alpha-2 language code	0..1
type	The class of resources to search for. Filter parameter, the search is restricted to resources that belong to at least one of the given classes.	Value must be the path of a known class	0..n
isInScheme	The concept scheme to search for	Value must	0..n

Parameter	Description	Constraints	Cardinality
	resources that are contained in it. Filter parameter, the search is restricted to resources that are contained in at least one of the given concept schemes.	be the uri of a known concept scheme	
limit	The maximum number of returned resources in the response. Supports paging where the 'limit' specifies the maximum page size.	Defaults to 20	0..1

Request headers:

Name	Description
Accept	application/json or application/hal+json
Accept-Language	The default language of the returned response. Optional and might be overwritten by the language request parameter. (see Language negotiation)

HTTP Response

Response headers:

Name	Description
Content-Type	The media type of the returned content ('application/json;charset=UTF-8' or 'application/hal+json;charset=UTF-8')
Content-Length	The size of the response body

The payload of the suggest is a JSON HAL representation of the suggest result set.

Properties on the returned JSON Object representing a suggest result set:

Path	Type	Description
total	Number	The total number of resources found.
offset	Number	The offset of the returned resources. Supports paging

Path	Type	Description
		where the 'offset' specifies the page number (zero-based numbering).
limit	Number	The maximum number of returned resources. Supports paging where the 'limit' specifies the maximum page size
text	String	The text that was searched on.
language	String	The language of the text that was searched on.
type	Array	The class(es) of resources that was searched for.
isInScheme	Null	The concept scheme(s) that was searched through.
facet	Null	Set to 'null'. Not supported for this method
_links	Object	The links section. The value of this field is a map containing links to other resources indexed by relation name. A link to a <code>Resource</code> is represented by a Link-object .
_embedded	Object	The embedded resource section. The value of this field is a map containing embedded <code>Resource</code> -objects indexed by relation name.

Properties (~ relations) in the `_links`-section:

Relation	Description
self	Link to the resource itself. The value of this field is a Link whose target is the described resource itself
prev	The previous page with search results.
next	The next page with search results.

Properties in the `_embedded-section`:

Path	Type	Description
results	Array	The actual result set of the search. The value of this field is an array containing a partial JSON Object representation of each resource in the result set

General remarks

If a given resource has no value for a certain property than the property will not be shown in the returned JSON Object representation of that resource.

Suggest2

Get all resources of a given class matching a label in a given language.

This is a full text search on the labels of a resource. The search must be scoped on language and optionally on class type. The search result is paged.

This service returns a partial JSON Object representation of each resource (~ a fragment). A typical use of this call is autocomplete.

HTTP Request

Example

GET

/suggest2?type=occupation&type=skill&language=en&text=configure%20ict&offset=0&limit=20&alt=true HTTP/1.1

Accept: application/json

Accept-Language: en-GB

Request parameters

Parameter	Description	Constraints	Cardinality
text	The text to search for. If omitted all resource for the given type are returned ordered by preference label.		0..1
language	The language of the text to search. Overwrites the Accept-Language header. (see Language negotiation)	ISO 639 alpha-2 language code	0..1
type	The class of resources to search for. Filter parameter, the search is restricted	Value must be the path	0..n

Parameter	Description	Constraints	Cardinality
	to resources that belong to at least one of the given classes.	of a known class	
isInScheme	The concept scheme to search for resources that are contained in it. Filter parameter, the search is restricted to resources that are contained in at least one of the given concept schemes.	Value must be the uri of a known concept scheme	0..n
limit	The maximum number of returned resources in the response. Supports paging where the 'limit' specifies the maximum page size.	Defaults to 20	0..1
offset	The offset of the returned resources in the response. Supports paging where the 'offset' specifies the page number.	Zero-based numbering. Defaults to 0	0..1
alt	If set to 'true' both preferred terms and alternative terms are searched	Defaults to 'false'	0..1

HTTP Response

Request headers

Name	Description
Accept	application/json or application/hal+json
Accept-Language	The default language of the returned response. Optional and might be overwritten by the language request parameter. (see Language negotiation)

The payload of the suggest2 is a JSON HAL representation of the suggest2 result set.

Properties on the returned JSON Object representing a suggest result set:

Path	Type	Description
total	Number	The total number of resources found.

Path	Type	Description
offset	Number	The offset of the returned resources. Supports paging where the 'offset' specifies the page number (zero-based numbering).
limit	Number	The maximum number of returned resources. Supports paging where the 'limit' specifies the maximum page size
text	String	The text that was searched on.
language	String	The language of the text that was searched on.
type	Array	The class(es) of resources that was searched for.
isInScheme	Null	The concept scheme(s) that was searched through.
facet	Null	Set to 'null'. Not supported for this method
_links	Object	The links section. The value of this field is a map containing links to other resources indexed by relation name. A link to a Resource is represented by a Link-object .
_embedded	Object	The embedded resource section. The value of this field is a map containing embedded Resource-objects indexed by relation name.

Properties (~ relations) in the _links-section:

Relation	Description
self	Link to the resource itself. The value of this field is a Link whose target is the described resource itself
prev	The previous page with search results.
next	The next page with search results.

Properties in the _embedded-section:

Path	Type	Description
results	Array	The actual result set of the search. The value of this field is an array containing a partial JSON Object representation of each resource in the result set. See resource fragments .

Use Cases ('How-to' guides)

Supported Model Specifications

Main classes

The main classes of resources described by the ESCO API:

Class name	Class path	Description	Example
Taxonomy	taxonomy	The class of all concept scheme resources. A concept scheme represents a 'compiled vocabulary' such as a classification, taxonomy, name authority list, code list or collection. ESCO organizes different 'kind' of concept resources in different concept schemes. Concepts come in 'compiled vocabularies'. Concepts might also be grouped or organised into collections.	see used concept schemes in ESCO
Concept	concept	The class of all generic concept resources. The generic class used to represent resources in 'compiled vocabularies' such as classifications, taxonomies, name authority lists, code lists or collections.	ISCO Groups and skill groups
Occupation	occupation	The class of all occupation member resources. An occupation resource is a more specific concept resource.	All ESCO occupations
Skill	skill	The class of all skill member resources. A skill resource is a more specific concept resource.	All ESCO skills

Known concept schemes

Main concept schemes

The main concept schemes used to organize the concept resources described by the ESCO API:

Concept Scheme URI	Name	Description
http://data.europa.eu/esco/concept-scheme/occupations	Occupation pillar	Represents the concept hierarchy of the full occupation pillar in ESCO. The top level concepts in the hierarchy are the ISCO groups.
http://data.europa.eu/esco/concept-scheme/isco	ISCO groups	Represents the ISCO group hierarchy.
http://data.europa.eu/esco/concept-scheme/skills	Skill pillar	Represents the concept hierarchy of the full skill pillar in ESCO. The transversal skills are organized into skill transversal groups.
http://data.europa.eu/esco/concept-scheme/skillTransversalGroups	Skill Transversal Groups	Represents the upper level hierarchy of the transversal skills in ESCO.

Supporting concept schemes

The concept schemes used to organize small supporting controlled vocabularies in the ESCO API:

Concept Scheme URI	Name	Description
http://data.europa.eu/esco/concept-scheme/skill-competence-type	ESCO Skill Pillar concept (sub-) Types	Controlled vocabulary of the different 'skill types': `skill/competence and knowledge`
http://data.europa.eu/esco/concept-scheme/skill-reuse-level	ESCO Skill Pillar concept reusability levels	Controlled vocabulary of the different skill reuse levels
http://data.europa.eu/esco/concept-scheme/regulated-professions	Regulated Professions	Controlled vocabulary of regulated profession notes

Supporting collections

Concept Scheme URI	Name	Description
http://data.europa.eu/esco/concept-scheme/skill-transversal-groups	ESCO transversal skill groups	Represents the transversal skill(group) hierarchy excluding the languages
http://data.europa.eu/esco/concept-scheme/skill-ict-groups	Information and communications technology	Represents the transversal ICT skill(group) hierarchy excluding the languages. This collection is a subset of the ESCO transversal skill groups
http://data.europa.eu/esco/concept-scheme/skill-language-groups	Language	Represents the transversal language skill hierarchy

Supporting code lists

Concepts might have one or more codes or notations. A notation is a string of characters used to uniquely identify a concept within the scope of a given code list. A notation is different from a lexical label in that a notation is not normally recognizable as a word or sequence of words in any natural language.

Available code lists in ESCO:

Code list URI	Name	Description
http://data.europa.eu/esco/Notation/ISCO08	ISCO 08 code	All ISCO 08 groups have a unique ISCO 08 code

Contributing

The ESCO API is intended to make it easy for you to explore, browse and search for ESCO resources in an automated way. However, we can't achieve that goal without your contributions.

Questions

If you have any questions about the ESCO API, please contact the ESCO Secretariat.
email aikaterini.sylla@esco-secretariat.eu

Bugs

If you believe you have found a bug, please contact the ESCO Secretariat.
email aikaterini.sylla@esco-secretariat.eu

Enhancements

If you'd like an enhancement to be made to the ESCO API, please contact the ESCO Secretariat.

email aikaterini.sylla@esco-secretariat.eu

Annex A: Resource fragments

The search and query methods in the ESCO API do return partial JSON Object representations of the queried resources (~ fragments) instead of the full object representations.

Taxonomy fragment

Properties on a partial JSON Object representation of a Taxonomy resource:

Path	Type	Description
className	String	The class name of the described resource
classId	String	The class id of the described resource
uri	String	The uri of the resource. It is the unique and persistent identifier of the described resource.
title	String	The defaulted label of the resource. This property provides a human-readable identifier in the negotiated language. (see Title property)
preferredLabel	Object	The title of the concept scheme. The value of this field is a map containing string literals indexed by language (i.e. the ISO 639 alpha-2 language code).
_links	Object	The links section. The value of this field is a map containing links to other resources indexed by relation name. A link to a Resource is represented by a Link-object . By default, the

Path	Type	Description
		only relation listed in the Links-section of a resource fragment is the 'self' link, a relation whose target is the described resource itself.

Occupation fragment

Properties on a partial JSON Object representation of an Occupation resource:

Path	Type	Description
className	String	The class name of the described resource
classId	String	The class id of the described resource
uri	String	The uri of the resource. It is the unique and persistent identifier of the described resource.
title	String	The defaulted label of the resource. This property provides a human-readable identifier in the negotiated language. (see Title property)
preferredLabel	Object	The preferred label of the occupation. The value of this field is a map containing string literals indexed by language.
isTopConceptInScheme	Array	The value of this field is an array containing the uris of the concept schemes that contains this occupation at the top level of their concept hierarchy.
isInScheme	Array	The value of this field is an array containing the uris of the concept schemes that contain this occupation.
broaderOccupation	Array	The value of this field is an array containing the uris of its broader Occupation resources.
broaderIscoGroup	Array	The value of this field is an array containing the uris of its broader ISCO group Concept resources.
_links	Object	The links section. The value of this field is a map containing links to other resources indexed by relation name. A link to a Resource is represented

Path	Type	Description
		by a Link-object . By default, the only relation listed in the Links-section of a resource fragment is the 'self' link, a relation whose target is the described resource itself.

Skills fragment

Properties on a partial JSON Object representation of a Skill resource:

Path	Type	Description
className	String	The class name of the described resource
classId	String	The class id of the described resource
uri	String	The uri of the resource. It is the unique and persistent identifier of the described resource.
title	String	The defaulted label of the resource. This property provides a human-readable identifier in the negotiated language. (see Title property)
preferredLabel	Object	The preferred label of the skill. The value of this field is a map containing string literals indexed by language.
isTopConceptInScheme	Array	The value of this field is an array containing the uris of the concept schemes that contains this skill at the top level of their concept hierarchy.
isInScheme	Array	The value of this field is an array containing the uris of the concept schemes that contain this skill.
broaderSkill	Array	The value of this field is an array containing the uris of its broader Skillresources.
broaderSkillGroup	Array	The value of this field is an array containing the uris of its broader skill group Concept resources.
hasSkillType	Array	The value of this field is the uri identifying

Path	Type	Description
		the skill type. (see Esco Skill Types)
hasReuseLevel	Array	The value of this field is the uri identifying the skill reuse level. (see ESCO Skill Reusability Levels)
_links	Object	The links section. The value of this field is a map containing links to other resources indexed by relation name. A link to a Resource is represented by a Link-object . By default, the only relation listed in the Links-section of a resource fragment is the 'self' link, a relation whose target is the described resource itself.

Concept fragment

Properties on a partial JSON Object representation of a Concept resource:

Path	Type	Description
className	String	The class name of the described resource
classId	String	The class id of the described resource
uri	String	The uri of the resource. It is the unique and persistent identifier of the described resource.
title	String	The defaulted label of the resource. This property provides a human-readable identifier in the negotiated language. (see Title property)
preferredLabel	Object	The preferred label of the concept. The value of this field is a map containing string literals indexed by language.
code	String	The default code for the concept (see concept codes). The value of this field is a string indicating the default code.

Path	Type	Description
isTopConceptInScheme	Array	The value of this field is an array containing the uris of the concept schemes that contains this concept at the top level of their concept hierarchy.
isInScheme	Array	The value of this field is an array containing the uris of the concept schemes that contain this concept.
broaderOccupation	Array	The value of this field is an array containing the uris of its broader Occupation resources.
broaderSkill	Array	The value of this field is an array containing the uris of its broader Skillresources.
broaderConcept	Array	The value of this field is an array containing the uris of its broader Concept resources.
_links	Object	The links section. The value of this field is a map containing links to other resources indexed by relation name. A link to a Resource is represented by a Link-object . By default, the only relation listed in the Links-section of a resource fragment is the 'self' link, a relation whose target is the described resource itself.

Annex B: Response Payloads

Taxonomy resource

This is an example of a response payload of a get taxonomy request. For an explanation of all properties see method get concept scheme.

JSON HAL Object representation Taxonomy resource

HTTP/1.1 200 OK

Content-Type: application/json; charset=UTF-8

Content-Length: 3794

```
{
  "className" : "Taxonomy",
  "classId" : "http://www.w3.org/2004/02/skos/core#ConceptScheme",
  "uri" : "http://data.europa.eu/esco/concept-scheme/isco",
  "title" : "CITP 2008",
  "preferredLabel" : {
    "no" : "ISCO 2008",
    "de" : "ISCO 2008",
    "fi" : "ISCO 2008",
    "pt" : "CITP 2008",
    "bg" : "ISCO 2008",
    "it" : "ISCO 2008",
    "hr" : "ISCO 2008",
    "lv" : "ISCO 2008",
    "fr" : "CITP 2008",
    "hu" : "ISCO 2008",
    "sk" : "ISCO 2008",
    "sl" : "ISCO 2008",
    "ga" : "ISCO 2008",
    "sv" : "Isco 2008",
    "mt" : "ISCO 2008",
    "el" : "ISCO 2008",
    "en" : "ISCO 2008",
    "is" : "ISCO 2008",
    "it" : "ISCO 2008",
    "es" : "CIUO 2008",
    "et" : "ISCO 2008",
    "cs" : "ISCO 2008",
    "pl" : "ISCO 2008",
    "ro" : "ISCO 2008",
    "da" : "ISCO 2008",
    "nl" : "ISCO 2008"
  },
  "_links" : {
    "self" : {
      "href" :
"http://localhost:8080/resource/taxonomy?uri=http://data.europa.eu/esco/concept-
scheme/isco&language=fr",
      "uri" : "http://data.europa.eu/esco/concept-scheme/isco",
      "title" : "CITP 2008"
    }
  },
}
```

```

"hasTopConcept" : [ {
  "href" :
"http://localhost:8080/resource/concept?uri=http://data.europa.eu/esco/isco/C1&lang
uage=fr",
  "uri" : "http://data.europa.eu/esco/isco/C1",
  "title" : "Directeurs, cadres de direction et gérants",
  "code" : "1"
}, {
  "href" :
"http://localhost:8080/resource/concept?uri=http://data.europa.eu/esco/isco/C3&lang
uage=fr",
  "uri" : "http://data.europa.eu/esco/isco/C3",
  "title" : "Professions intermédiaires",
  "code" : "3"
}, {
  "href" :
"http://localhost:8080/resource/concept?uri=http://data.europa.eu/esco/isco/C7&lang
uage=fr",
  "uri" : "http://data.europa.eu/esco/isco/C7",
  "title" : "Métiers qualifiés de l'industrie et de l'artisanat",
  "code" : "7"
}, {
  "href" :
"http://localhost:8080/resource/concept?uri=http://data.europa.eu/esco/isco/C8&lang
uage=fr",
  "uri" : "http://data.europa.eu/esco/isco/C8",
  "title" : "Conducteurs d'installations et de machines, et ouvriers de l'assemblage",
  "code" : "8"
}, {
  "href" :
"http://localhost:8080/resource/concept?uri=http://data.europa.eu/esco/isco/C6&lang
uage=fr",
  "uri" : "http://data.europa.eu/esco/isco/C6",
  "title" : "Agriculteurs et ouvriers qualifiés de l'agriculture, de la sylviculture et de
la pêche",
  "code" : "6"
}, {
  "href" :
"http://localhost:8080/resource/concept?uri=http://data.europa.eu/esco/isco/C5&lang
uage=fr",
  "uri" : "http://data.europa.eu/esco/isco/C5",
  "title" : "Personnel des services directs aux particuliers, commerçants et
vendeurs",
  "code" : "5"
}, {
  "href" :
"http://localhost:8080/resource/concept?uri=http://data.europa.eu/esco/isco/C2&lang
uage=fr",
  "uri" : "http://data.europa.eu/esco/isco/C2",
  "title" : "Professions intellectuelles et scientifiques",
  "code" : "2"
}, {
  "href" :
"http://localhost:8080/resource/concept?uri=http://data.europa.eu/esco/isco/C9&lang
uage=fr",

```

```

    "uri" : "http://data.europa.eu/esco/isco/C9",
    "title" : "Professions élémentaires",
    "code" : "9"
  }, {
    "href" :
"http://localhost:8080/resource/concept?uri=http://data.europa.eu/esco/isco/C4&lang
uage=fr",
    "uri" : "http://data.europa.eu/esco/isco/C4",
    "title" : "Employés de type administratif",
    "code" : "4"
  }, {
    "href" :
"http://localhost:8080/resource/concept?uri=http://data.europa.eu/esco/isco/C0&lang
uage=fr",
    "uri" : "http://data.europa.eu/esco/isco/C0",
    "title" : "Professions militaires",
    "code" : "0"
  } ]
},
"_embedded" : { }
}

```

Occupation resource

This is an example of a response payload of get occupation request. For an explanation of all properties see method get occupation.

JSON HAL Object representation Occupation resource

HTTP/1.1 200 OK

Content-Type: application/json; charset=UTF-8

Content-Length: 31729

```

{
  "className" : "Occupation",
  "classId" : "http://data.europa.eu/esco/model#Occupation",
  "uri" : "http://data.europa.eu/esco/occupation/cb93fd23-1f51-4495-867a-
936c1967066b",
  "title" : "art director",
  "referenceLanguage" : [ "en" ],
  "preferredLabel" : {
    "de" : "Art-Direktor/Art-Direktorin",
    "no" : "kreativ leder",
    "en-us" : "art director",
    "fi" : "art director",
    "pt" : "Diretor de arte/Diretora de arte",
    "bg" : "режисьор",
    "lt" : "meno vadovas",
    "lv" : "mākslinieks inscenētājs/māksliniece inscenētāja",
    "hr" : "art direktor/art direktorica",
    "fr" : "directeur artistique/directrice artistique",
    "hu" : "művészeti vezető",
    "sk" : "špecialista na estetickú stránku produktov/špecialistka na estetickú stránku
produktov",
    "sl" : "umetniški direktor/umetniška direktorica",

```

```

"ga" : "stiúrthóir ealaíne",
"sv" : "Art Director",
"el" : "καλλιτεχνικός διευθυντής/καλλιτεχνική διευθύντρια",
"mt" : "direttur tal-arti/direttriċi tal-arti",
"en" : "art director",
"is" : "liststjórnandi",
"it" : "direttore artistico/direttrice artistica",
"es" : "director artístico/director artística",
"et" : "kunstijuht",
"cs" : "umělecký ředitel/umělecká ředitelka",
"ar" : "فنية مديرة / فني مدير",
"pl" : "dyrektor artystyczny",
"da" : "artdirector",
"ro" : "regizor artistic/regizoare artistică",
"nl" : "art director"
},
"alternativeLabel" : {
  "de" : [ "Art-Direktorin", "Art Director", "Art-Direktor" ],
  "sv" : [ "AD" ],
  "fi" : [ "taiteellinen ohjaaja", "ohjaaja, lavastus", "AD" ],
  "pt" : [ "Diretor de arte", "Diretora de arte" ],
  "bg" : [ "режисьор-постановчик", "първи асистент режисьор", "режисьор",
    "втори асистент режисьор", "втори асистент на режисьора", "режисьорка",
    "асистент режисьор", "първи асистент на режисьора" ],
  "mt" : [ "direttriċi tal-arti", "direttriċi tal-orkestra", "direttur tal-orkestra", "direttur tal-arti" ],
  "el" : [ "σκηνογράφος", "καλλιτεχνική διευθύντρια", "καλλιτεχνικός διευθυντής" ],
  "lt" : [ "meno vadovė" ],
  "en" : [ "artistic projects manager", "advertising art director", "creative director",
    "visual art director", "stage director", "designer", "maestro" ],
  "hr" : [ "art direktorica", "art direktor" ],
  "lv" : [ "māksliniece inscenētāja", "mākslinieks inscenētājs", "scenogrāfs" ],
  "it" : [ "direttrice artistica", "direttrice creativa", "direttore artistico", "direttore creativo" ],
  "fr" : [ "directeur artistique", "directrice artistique" ],
  "hu" : [ "zenei igazgató", "zenekar-igazgató", "művészeti igazgató",
    "zenekarvezető" ],
  "es" : [ "escenógrafa", "escenógrafo", "director artístico", "director de arte",
    "directora artística", "directora de arte" ],
  "cs" : [ "umělecká ředitelka", "ředitel orchestru", "umělecký ředitel", "ředitelka orchestru" ],
  "sk" : [ "filmová architektka", "art directorka", "filmový architekt", "scénická výtvarníčka",
    "špecialistka na estetickú stránku produktov", "scénický výtvarník",
    "špecialista na estetickú stránku produktov", "art director" ],
  "sl" : [ "art direktorica", "umetniška direktorica", "art direktor", "umetniški direktor" ],
  "pl" : [ "kierownik artystyczny" ],
  "da" : [ "kreativ leder", "AD'er", "art director" ],
  "ro" : [ "regizoare artistică", "regizor artistic", "art director" ],
  "nl" : [ "production designer", "set designer" ]
},
"description" : {
  "en-us" : {
    "literal" : "Art directors shape the visual layout of a concept. They create innovative designs, develop artistic projects and manage the cooperation between all

```

aspects involved. Art directors may perform creative work in theater , marketing, advertising, video and motion picture, fashion or online companies. They ensure that the work performed is visually appealing to audiences.",
 "mimetype" : "plain/text"
 },
 "en" : {
 "literal" : "Art directors shape the visual layout of a concept. They create innovative designs, develop artistic projects and manage the cooperation between all aspects involved. Art directors may perform creative work in theatre, marketing, advertising, video and motion picture, fashion or online companies. They ensure that the work performed is visually appealing to audiences.",
 "mimetype" : "plain/text"
 }
 },
 "status" : "released",
 "_links" : {
 "self" : {
 "href" :
 "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupation/cb93fd23-1f51-4495-867a-936c1967066b&language=en",
 "uri" : "http://data.europa.eu/esco/occupation/cb93fd23-1f51-4495-867a-936c1967066b",
 "title" : "art director"
 },
 "isTopConceptInScheme" : [{
 "href" :
 "http://localhost:8080/resource/taxonomy?uri=http://data.europa.eu/esco/concept-scheme/member-occupations&language=en",
 "uri" : "http://data.europa.eu/esco/concept-scheme/member-occupations",
 "title" : "ESCO member occupations"
 }],
 "isInScheme" : [{
 "href" :
 "http://localhost:8080/resource/taxonomy?uri=http://data.europa.eu/esco/concept-scheme/occupations&language=en",
 "uri" : "http://data.europa.eu/esco/concept-scheme/occupations",
 "title" : "ESCO Occupations"
 }, {
 "href" :
 "http://localhost:8080/resource/taxonomy?uri=http://data.europa.eu/esco/concept-scheme/member-occupations&language=en",
 "uri" : "http://data.europa.eu/esco/concept-scheme/member-occupations",
 "title" : "ESCO member occupations"
 }],
 "regulatedProfessionNote" : {
 "href" :
 "http://localhost:8080/resource/concept?uri=http://data.europa.eu/esco/regulated-professions/unregulated&language=en",
 "uri" : "http://data.europa.eu/esco/regulated-professions/unregulated",
 "title" : "To see if and how this occupation is regulated in EU Member States, EEA countries or Switzerland please consult the Regulated Professions Database of the Commission. Regulated Professions Database: http://ec.europa.eu/growth/single-market/services/free-movement-professionals/qualifications-recognition_en"
 },
 "broaderIscoGroup" : [{


```

    "href" :
    "http://localhost:8080/resource/concept?uri=http://data.europa.eu/esco/isco/C2166&
    language=en",
    "uri" : "http://data.europa.eu/esco/isco/C2166",
    "title" : "Graphic and multimedia designers",
    "code" : "2166"
  } ],
  "narrowerOccupation" : [ {
    "href" :
    "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
    n/2f372afe-d513-4357-abe1-e5e0b5cf9ae5&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/2f372afe-d513-4357-abe1-
    e5e0b5cf9ae5",
    "title" : "lighting director"
  }, {
    "href" :
    "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
    n/30b25ee4-da97-4167-8592-460217f6bdcc&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/30b25ee4-da97-4167-8592-
    460217f6bdcc",
    "title" : "animation director"
  }, {
    "href" :
    "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
    n/8a451ae2-3c31-4f35-90af-6275b1b02f93&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/8a451ae2-3c31-4f35-90af-
    6275b1b02f93",
    "title" : "stage director"
  }, {
    "href" :
    "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
    n/4f2f2539-3e38-4393-9dac-a9a48af7cd32&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/4f2f2539-3e38-4393-9dac-
    a9a48af7cd32",
    "title" : "casting director"
  }, {
    "href" :
    "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
    n/00030d09-2b3a-4efd-87cc-c4ea39d27c34&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/00030d09-2b3a-4efd-87cc-
    c4ea39d27c34",
    "title" : "technical director"
  }, {
    "href" :
    "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
    n/4d4b243f-6c3b-48c3-a564-2e7f2d592a3c&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/4d4b243f-6c3b-48c3-a564-
    2e7f2d592a3c",
    "title" : "production designer"
  }, {
    "href" :
    "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
    n/6ba25e0f-7fb8-4879-a1f9-d4f8945966be&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/6ba25e0f-7fb8-4879-a1f9-
    d4f8945966be",

```

```

    "title" : "director of photography"
  }, {
    "href" :
    "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupation/1a7fb683-6544-4442-b54c-ec72ef468ff0&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/1a7fb683-6544-4442-b54c-ec72ef468ff0",
    "title" : "video and motion picture director"
  } ],
  "hasEssentialSkill" : [ {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/8c8d0196-4acd-4217-89cb-abaf96845b14&language=en",
    "uri" : "http://data.europa.eu/esco/skill/8c8d0196-4acd-4217-89cb-abaf96845b14",
    "title" : "analyse the need for technical resources"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/8a18f41b-70e2-4a03-986f-95b52d2ca39c&language=en",
    "uri" : "http://data.europa.eu/esco/skill/8a18f41b-70e2-4a03-986f-95b52d2ca39c",
    "title" : "determine visual concepts"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/bd698bbe-7003-4508-b422-46c2ff4d5e95&language=en",
    "uri" : "http://data.europa.eu/esco/skill/bd698bbe-7003-4508-b422-46c2ff4d5e95",
    "title" : "business strategy concepts"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/8c4c49d4-9708-433f-8ca7-bf2c5211ee49&language=en",
    "uri" : "http://data.europa.eu/esco/skill/8c4c49d4-9708-433f-8ca7-bf2c5211ee49",
    "title" : "develop creative ideas"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/7d092d81-d1e2-4c34-b3cb-c1c9f2e68b7d&language=en",
    "uri" : "http://data.europa.eu/esco/skill/7d092d81-d1e2-4c34-b3cb-c1c9f2e68b7d",
    "title" : "finish project within budget"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/1263904f-1c2c-48f5-a6ca-0176ef5d2060&language=en",
    "uri" : "http://data.europa.eu/esco/skill/1263904f-1c2c-48f5-a6ca-0176ef5d2060",
    "title" : "read scripts"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/f08e2bd6-0366-4948-a670-1f03f130126f&language=en",

```

```

    "uri" : "http://data.europa.eu/esco/skill/f08e2bd6-0366-4948-a670-1f03f130126f",
    "title" : "create new concepts"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/5a42555c-ac51-4bc8-8b00-9ba2f251e919&language=en",
    "uri" : "http://data.europa.eu/esco/skill/5a42555c-ac51-4bc8-8b00-9ba2f251e919",
    "title" : "assemble an artistic team"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/dade132a-487b-40fb-9d8e-f20ce5e6c076&language=en",
    "uri" : "http://data.europa.eu/esco/skill/dade132a-487b-40fb-9d8e-f20ce5e6c076",
    "title" : "develop design concept"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/efda73b4-5212-40a7-b2f8-d2f754ffdf2b&language=en",
    "uri" : "http://data.europa.eu/esco/skill/efda73b4-5212-40a7-b2f8-d2f754ffdf2b",
    "title" : "keep up with trends"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/3ed245ce-6953-4203-94d7-89550bf502ba&language=en",
    "uri" : "http://data.europa.eu/esco/skill/3ed245ce-6953-4203-94d7-89550bf502ba",
    "title" : "cue a performance"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/2d3552aa-08da-4aad-9942-675be826a212&language=en",
    "uri" : "http://data.europa.eu/esco/skill/2d3552aa-08da-4aad-9942-675be826a212",
    "title" : "work with playwrights"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/1d0c2220-6855-4689-aeaa-16c9c615b284&language=en",
    "uri" : "http://data.europa.eu/esco/skill/1d0c2220-6855-4689-aeaa-16c9c615b284",
    "title" : "consult with producer"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/f2f463e5-2382-49cb-8199-e7e043d868df&language=en",
    "uri" : "http://data.europa.eu/esco/skill/f2f463e5-2382-49cb-8199-e7e043d868df",
    "title" : "health and safety regulations"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/bf5d77ad-e18c-48d8-83f0-bc79c011c74a&language=en",

```

```

    "uri" : "http://data.europa.eu/esco/skill/bf5d77ad-e18c-48d8-83f0-
bc79c011c74a",
    "title" : "develop professional network"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/03b9b491-
fc9b-4868-914a-bf7cd47b5041&language=en",
    "uri" : "http://data.europa.eu/esco/skill/03b9b491-fc9b-4868-914a-
bf7cd47b5041",
    "title" : "create solutions to problems"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/fed5b267-
73fa-461d-9f69-827c78beb39d&language=en",
    "uri" : "http://data.europa.eu/esco/skill/fed5b267-73fa-461d-9f69-
827c78beb39d",
    "title" : "theatre techniques"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/21c5790c-
0930-4d74-b3b0-84caf5af12ea&language=en",
    "uri" : "http://data.europa.eu/esco/skill/21c5790c-0930-4d74-b3b0-
84caf5af12ea",
    "title" : "manage budgets"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/0cd8732f-
e69c-4644-be07-e8bf5edc01af&language=en",
    "uri" : "http://data.europa.eu/esco/skill/0cd8732f-e69c-4644-be07-
e8bf5edc01af",
    "title" : "follow time cues"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/4c58528e-
bdaa-43ad-8f5a-8ad0b8cd4bbb&language=en",
    "uri" : "http://data.europa.eu/esco/skill/4c58528e-bdaa-43ad-8f5a-
8ad0b8cd4bbb",
    "title" : "design principles"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/42f977aa-
a6eb-4994-b368-d5f26c0fd1fa&language=en",
    "uri" : "http://data.europa.eu/esco/skill/42f977aa-a6eb-4994-b368-
d5f26c0fd1fa",
    "title" : "personal directing styles"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/a1ded3c7-
f3e2-45c9-aa01-e4e84d5f69c8&language=en",
    "uri" : "http://data.europa.eu/esco/skill/a1ded3c7-f3e2-45c9-aa01-
e4e84d5f69c8",
    "title" : "direct an artistic team"
  }, {

```

```

    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/97db841c-31bf-4aa0-85b9-0ddd0a77b7a5&language=en",
    "uri" : "http://data.europa.eu/esco/skill/97db841c-31bf-4aa0-85b9-0ddd0a77b7a5",
    "title" : "analyse a script"
  } ],
  "hasOptionalSkill" : [ {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/e207163b-7963-4c3e-9494-7a4bb000211b&language=en",
    "uri" : "http://data.europa.eu/esco/skill/e207163b-7963-4c3e-9494-7a4bb000211b",
    "title" : "estimate duration of work"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/82d8cd8c-9609-4d2d-84cf-dcd9cc8c45a9&language=en",
    "uri" : "http://data.europa.eu/esco/skill/82d8cd8c-9609-4d2d-84cf-dcd9cc8c45a9",
    "title" : "lead cast and crew"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/a254408b-b8f0-4b56-8d88-777bfab7f517&language=en",
    "uri" : "http://data.europa.eu/esco/skill/a254408b-b8f0-4b56-8d88-777bfab7f517",
    "title" : "manage prompt book"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/7fb699d9-182a-430e-b7a0-6d8ed05c284b&language=en",
    "uri" : "http://data.europa.eu/esco/skill/7fb699d9-182a-430e-b7a0-6d8ed05c284b",
    "title" : "graphic design"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/de03f4fd-c147-4477-a048-7109e5ba2d6f&language=en",
    "uri" : "http://data.europa.eu/esco/skill/de03f4fd-c147-4477-a048-7109e5ba2d6f",
    "title" : "marketing principles"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/b1719a15-5aa0-4e9a-90b8-c036b192b6f0&language=en",
    "uri" : "http://data.europa.eu/esco/skill/b1719a15-5aa0-4e9a-90b8-c036b192b6f0",
    "title" : "work with video and motion picture production team"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/43dfbe7f-9e10-4871-b171-e5076737b4cf&language=en",
    "uri" : "http://data.europa.eu/esco/skill/43dfbe7f-9e10-4871-b171-e5076737b4cf",

```

```

    "title" : "digital marketing techniques"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/b7544d46-870d-4962-bb91-c6bcaf84aa90&language=en",
    "uri" : "http://data.europa.eu/esco/skill/b7544d46-870d-4962-bb91-c6bcaf84aa90",
    "title" : "work with pre-production team"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/c39b8441-359e-4cf9-8a52-c5f6dd918813&language=en",
    "uri" : "http://data.europa.eu/esco/skill/c39b8441-359e-4cf9-8a52-c5f6dd918813",
    "title" : "lighting techniques"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/cffc3e97-e942-4b13-a2f3-0bf4910c06d3&language=en",
    "uri" : "http://data.europa.eu/esco/skill/cffc3e97-e942-4b13-a2f3-0bf4910c06d3",
    "title" : "use technical documentation"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/9983816d-cc78-4d3f-9e3c-c7baa9ebc77a&language=en",
    "uri" : "http://data.europa.eu/esco/skill/9983816d-cc78-4d3f-9e3c-c7baa9ebc77a",
    "title" : "computer equipment"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/e3cd49da-c222-43ce-8c50-57661c941c1c&language=en",
    "uri" : "http://data.europa.eu/esco/skill/e3cd49da-c222-43ce-8c50-57661c941c1c",
    "title" : "discover acting talent"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/ee5a80cd-dca0-421d-a855-5f763a934184&language=en",
    "uri" : "http://data.europa.eu/esco/skill/ee5a80cd-dca0-421d-a855-5f763a934184",
    "title" : "carry out interviews to select artistic team members"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/a59708e3-e654-4e37-8b8a-741c3b756eee&language=en",
    "uri" : "http://data.europa.eu/esco/skill/a59708e3-e654-4e37-8b8a-741c3b756eee",
    "title" : "multimedia systems"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/ac469a4f-77dd-4bd6-b3f5-ffcd2ef7dca2&language=en",
    "uri" : "http://data.europa.eu/esco/skill/ac469a4f-77dd-4bd6-b3f5-ffcd2ef7dca2",

```

```

    "title" : "create production schedules"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/88de5ff4-310a-4f4f-9b47-349eb5589902&language=en",
    "uri" : "http://data.europa.eu/esco/skill/88de5ff4-310a-4f4f-9b47-349eb5589902",
    "title" : "translate artistic concepts to technical designs"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/493b20c2-c435-449a-896e-0af057c41fef&language=en",
    "uri" : "http://data.europa.eu/esco/skill/493b20c2-c435-449a-896e-0af057c41fef",
    "title" : "film production process"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/ae6af2c6-890d-40a7-9849-326a8c21df76&language=en",
    "uri" : "http://data.europa.eu/esco/skill/ae6af2c6-890d-40a7-9849-326a8c21df76",
    "title" : "coordinate advertising campaigns"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/ee3c5d5e-d454-4ac4-beeb-9848c54dc15b&language=en",
    "uri" : "http://data.europa.eu/esco/skill/ee3c5d5e-d454-4ac4-beeb-9848c54dc15b",
    "title" : "negotiate with artists"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/20e7c937-a5e5-4a27-bb87-ddda5826f777&language=en",
    "uri" : "http://data.europa.eu/esco/skill/20e7c937-a5e5-4a27-bb87-ddda5826f777",
    "title" : "liaise with cultural partners"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/5bbaa0e6-0fd7-4df2-9db7-34f78b40dc34&language=en",
    "uri" : "http://data.europa.eu/esco/skill/5bbaa0e6-0fd7-4df2-9db7-34f78b40dc34",
    "title" : "marketing management"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/91fc256e-00ec-4367-b3b4-dcd564ed3fd2&language=en",
    "uri" : "http://data.europa.eu/esco/skill/91fc256e-00ec-4367-b3b4-dcd564ed3fd2",
    "title" : "acting and directing techniques"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/4109c79f-0332-498d-a967-b6d22761c639&language=en",

```



```

    "uri" : "http://data.europa.eu/esco/skill/4109c79f-0332-498d-a967-
b6d22761c639",
    "title" : "plan musical performances"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/f64fe2c2-
d090-4e91-ba74-1355d96b9bca&language=en",
    "uri" : "http://data.europa.eu/esco/skill/f64fe2c2-d090-4e91-ba74-
1355d96b9bca",
    "title" : "coordinate technical teams in artistic productions"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/05bc7677-
5a64-4e0c-ade3-0140348d4125&language=en",
    "uri" : "http://data.europa.eu/esco/skill/05bc7677-5a64-4e0c-ade3-
0140348d4125",
    "title" : "organise rehearsals"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/52eb7ab6-
269f-4f44-a21d-b0c705eaf857&language=en",
    "uri" : "http://data.europa.eu/esco/skill/52eb7ab6-269f-4f44-a21d-
b0c705eaf857",
    "title" : "musical genres"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/47ed1d37-
971b-472c-86be-26f893991274&language=en",
    "uri" : "http://data.europa.eu/esco/skill/47ed1d37-971b-472c-86be-
26f893991274",
    "title" : "coordinate with creative departments"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/a05bcb7d-
a037-490d-ac80-5ec664e00c2b&language=en",
    "uri" : "http://data.europa.eu/esco/skill/a05bcb7d-a037-490d-ac80-
5ec664e00c2b",
    "title" : "contact talent agents"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/12154830-
df49-42d6-95b3-6f83f29733d5&language=en",
    "uri" : "http://data.europa.eu/esco/skill/12154830-df49-42d6-95b3-
6f83f29733d5",
    "title" : "work with motion picture editing team"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/aba1f05b-
f312-47d8-be71-7c574134de8f&language=en",
    "uri" : "http://data.europa.eu/esco/skill/aba1f05b-f312-47d8-be71-
7c574134de8f",
    "title" : "advertising techniques"
  }, {

```



```
"href" :  
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/59ea80e1-  
463a-4dba-82c6-d0b6d577d532&language=en",  
  "uri" : "http://data.europa.eu/esco/skill/59ea80e1-463a-4dba-82c6-  
d0b6d577d532",  
  "title" : "technical drawings"  
}, {  
  "href" :  
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/6457122e-  
5eed-4817-9f67-c3edb607fef6&language=en",  
  "uri" : "http://data.europa.eu/esco/skill/6457122e-5eed-4817-9f67-  
c3edb607fef6",  
  "title" : "evaluate advertising campaign"  
}, {  
  "href" :  
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/e6262391-  
ffda-4b8e-9f5c-89cf1a0e7384&language=en",  
  "uri" : "http://data.europa.eu/esco/skill/e6262391-ffda-4b8e-9f5c-  
89cf1a0e7384",  
  "title" : "audiovisual equipment"  
}, {  
  "href" :  
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/cd5efa8c-  
e44d-4cbc-91c6-796018dbed68&language=en",  
  "uri" : "http://data.europa.eu/esco/skill/cd5efa8c-e44d-4cbc-91c6-  
796018dbed68",  
  "title" : "perform project management"  
}, {  
  "href" :  
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/284ed642-  
3735-4453-8a43-41ce3d7cb1fc&language=en",  
  "uri" : "http://data.europa.eu/esco/skill/284ed642-3735-4453-8a43-  
41ce3d7cb1fc",  
  "title" : "define artistic vision"  
}, {  
  "href" :  
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/509909a2-  
4a8f-4ead-8ad0-968df63b77cc&language=en",  
  "uri" : "http://data.europa.eu/esco/skill/509909a2-4a8f-4ead-8ad0-  
968df63b77cc",  
  "title" : "social media marketing techniques"  
}, {  
  "href" :  
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/92721092-  
fe7c-4689-96bd-4f02385bc0e7&language=en",  
  "uri" : "http://data.europa.eu/esco/skill/92721092-fe7c-4689-96bd-  
4f02385bc0e7",  
  "title" : "manage contracts"  
}, {  
  "href" :  
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/29d4aaba-  
99f9-4733-bd74-ad558f2ae3a7&language=en",  
  "uri" : "http://data.europa.eu/esco/skill/29d4aaba-99f9-4733-bd74-  
ad558f2ae3a7",  
  "title" : "musical instruments"
```

```

    }, {
      "href" :
      "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/339ac029-066a-4985-9f9d-b3d7c8fea0bb&language=en",
      "uri" : "http://data.europa.eu/esco/skill/339ac029-066a-4985-9f9d-b3d7c8fea0bb",
      "title" : "manage staff"
    }, {
      "href" :
      "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/d3050294-0ab4-4377-a46f-80d894d72228&language=en",
      "uri" : "http://data.europa.eu/esco/skill/d3050294-0ab4-4377-a46f-80d894d72228",
      "title" : "coordinate artistic production"
    }, {
      "href" :
      "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/d5c6e438-2e6d-4919-8f1b-17cf93080b4b&language=en",
      "uri" : "http://data.europa.eu/esco/skill/d5c6e438-2e6d-4919-8f1b-17cf93080b4b",
      "title" : "evaluate art quality"
    }, {
      "href" :
      "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/1b10c3de-1284-4c89-a9f9-762ad51a6ad7&language=en",
      "uri" : "http://data.europa.eu/esco/skill/1b10c3de-1284-4c89-a9f9-762ad51a6ad7",
      "title" : "trends in fashion"
    }, {
      "href" :
      "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/24554d47-70d2-4153-bb27-84e338e76792&language=en",
      "uri" : "http://data.europa.eu/esco/skill/24554d47-70d2-4153-bb27-84e338e76792",
      "title" : "cultural projects"
    }, {
      "href" :
      "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/68f6ecc0-51c8-4b08-ad90-a312c0cb07f8&language=en",
      "uri" : "http://data.europa.eu/esco/skill/68f6ecc0-51c8-4b08-ad90-a312c0cb07f8",
      "title" : "promote cultural venue events"
    }, {
      "href" :
      "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/ca17f0df-59e4-4ed2-9360-fc5325bc7151&language=en",
      "uri" : "http://data.europa.eu/esco/skill/ca17f0df-59e4-4ed2-9360-fc5325bc7151",
      "title" : "supervise equipment"
    }, {
      "href" :
      "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/f3ff2fee-879c-4112-9002-d2df984fcbb0&language=en",
      "uri" : "http://data.europa.eu/esco/skill/f3ff2fee-879c-4112-9002-d2df984fcbb0",
      "title" : "ensure visual quality of the set"
    }
  ]

```

```

    }, {
      "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/032a4ab8-1034-4541-8037-b2cdcc7fd19a&language=en",
      "uri" : "http://data.europa.eu/esco/skill/032a4ab8-1034-4541-8037-b2cdcc7fd19a",
      "title" : "select music for performance"
    }, {
      "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/eb3aa3a8-6ece-441d-9041-15dcb0880e47&language=en",
      "uri" : "http://data.europa.eu/esco/skill/eb3aa3a8-6ece-441d-9041-15dcb0880e47",
      "title" : "cinematography"
    }, {
      "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/23df3447-f59e-45a4-86da-78e38d07c808&language=en",
      "uri" : "http://data.europa.eu/esco/skill/23df3447-f59e-45a4-86da-78e38d07c808",
      "title" : "music and video industry"
    }, {
      "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/38509fa4-7c06-4a4b-9622-f521f03c37b8&language=en",
      "uri" : "http://data.europa.eu/esco/skill/38509fa4-7c06-4a4b-9622-f521f03c37b8",
      "title" : "photography"
    }, {
      "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/6ac933ae-90d4-4ff8-a972-603577c43ada&language=en",
      "uri" : "http://data.europa.eu/esco/skill/6ac933ae-90d4-4ff8-a972-603577c43ada",
      "title" : "maintain blocking notes"
    }, {
      "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/a1388163-462a-4b76-8649-67470ea858a1&language=en",
      "uri" : "http://data.europa.eu/esco/skill/a1388163-462a-4b76-8649-67470ea858a1",
      "title" : "search databases"
    }, {
      "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/d74362cc-f181-462a-bd3a-fb0aa1ff774c&language=en",
      "uri" : "http://data.europa.eu/esco/skill/d74362cc-f181-462a-bd3a-fb0aa1ff774c",
      "title" : "carry out auditions"
    }, {
      "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/d1a2437d-7eee-4c13-9104-0bb3dd7b45d6&language=en",
      "uri" : "http://data.europa.eu/esco/skill/d1a2437d-7eee-4c13-9104-0bb3dd7b45d6",
      "title" : "check material resources"
    }
  ]

```

```

    }, {
      "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/679e221d-4e86-49af-8e91-ae8c6fe8e5ae&language=en",
      "uri" : "http://data.europa.eu/esco/skill/679e221d-4e86-49af-8e91-ae8c6fe8e5ae",
      "title" : "approve advertising campaign"
    }, {
      "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/bf1b6671-e8f4-4633-932e-15236780037b&language=en",
      "uri" : "http://data.europa.eu/esco/skill/bf1b6671-e8f4-4633-932e-15236780037b",
      "title" : "history of fashion"
    } ]
  },
  "_embedded" : { }
}

```

Skill resource

This is an example of a response payload of get skill request. For an explanation of all properties see method get skill.

JSON HAL Object representation Skill resource

HTTP/1.1 200 OK

Content-Type: application/json; charset=UTF-8

Content-Length: 21541

```

{
  "className" : "Skill",
  "classId" : "http://data.europa.eu/esco/model#Skill",
  "uri" : "http://data.europa.eu/esco/skill/a59708e3-e654-4e37-8b8a-741c3b756eee",
  "title" : "multimedia systems",
  "referenceLanguage" : [ "en" ],
  "preferredLabel" : {
    "no" : "multimediesystemer",
    "de" : "Multimedia-Systeme",
    "en-us" : "multimedia systems",
    "fi" : "multimediajärjestelmät",
    "pt" : "sistemas multimédia",
    "bg" : "мултимедийни системи",
    "it" : "multimedijų sistemas",
    "lv" : "multivides sistēmas",
    "hr" : "multimedijski sustavi",
    "fr" : "systèmes multimédia",
    "hu" : "multimédiás rendszerek",
    "sk" : "multimediálne systémy",
    "sl" : "multimedijski sistemi",
    "ga" : "córais ilmheán",
    "sv" : "multimediasystem",
    "el" : "συστήματα πολυμέσων",
    "mt" : "sistemi tal-multimedia",
    "en" : "multimedia systems",
    "is" : "margmiðlunarkerfi",

```

```

    "it" : "sistemi multimediali",
    "es" : "sistemas multimedia",
    "et" : "multimeediasüsteemid",
    "cs" : "multimediální systémy",
    "ar" : "المتعددة الوسائط أنظمة",
    "pl" : "systemy multimedialne",
    "ro" : "sisteme multimedia",
    "da" : "multimediesystemer",
    "nl" : "multimediasystemen"
  },
  "alternativeLabel" : {
    "en" : [ "multimedia structure", "multimedia system", "a multimedia system",
"multimedia organisation", "multimedia scheme", "multimedia arrangement" ],
    "ro" : [ "rețele multimedia", "software multimedia", "echipamente multimedia" ]
  },
  "description" : {
    "en-us" : {
      "literal" : "The methods, procedures and techniques pertaining to the operation of
multimedia systems, usually a combination of software and hardware, presenting
various types of media such as video and audio.",
      "mimetype" : "plain/text"
    },
    "en" : {
      "literal" : "The methods, procedures and techniques pertaining to the operation of
multimedia systems, usually a combination of software and hardware, presenting
various types of media such as video and audio.",
      "mimetype" : "plain/text"
    }
  },
  "status" : "released",
  "_links" : {
    "self" : {
      "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/a59708e3-
e654-4e37-8b8a-741c3b756eee&language=en",
      "uri" : "http://data.europa.eu/esco/skill/a59708e3-e654-4e37-8b8a-
741c3b756eee",
      "title" : "multimedia systems"
    },
    "isTopConceptInScheme" : [ {
      "href" :
"http://localhost:8080/resource/taxonomy?uri=http://data.europa.eu/esco/concept-
scheme/skills&language=en",
      "uri" : "http://data.europa.eu/esco/concept-scheme/skills",
      "title" : "ESCO skills"
    }, {
      "href" :
"http://localhost:8080/resource/taxonomy?uri=http://data.europa.eu/esco/concept-
scheme/member-skills&language=en",
      "uri" : "http://data.europa.eu/esco/concept-scheme/member-skills",
      "title" : "ESCO member skills"
    } ],
    "isInScheme" : [ {

```

```

    "href" :
    "http://localhost:8080/resource/taxonomy?uri=http://data.europa.eu/esco/concept-
    scheme/skills&language=en",
    "uri" : "http://data.europa.eu/esco/concept-scheme/skills",
    "title" : "ESCO skills"
  }, {
    "href" :
    "http://localhost:8080/resource/taxonomy?uri=http://data.europa.eu/esco/concept-
    scheme/member-skills&language=en",
    "uri" : "http://data.europa.eu/esco/concept-scheme/member-skills",
    "title" : "ESCO member skills"
  } ],
  "hasSkillType" : [ {
    "href" :
    "http://localhost:8080/resource/concept?uri=http://data.europa.eu/esco/skill-
    type/knowledge&language=en",
    "uri" : "http://data.europa.eu/esco/skill-type/knowledge",
    "title" : "knowledge"
  } ],
  "hasReuseLevel" : [ {
    "href" :
    "http://localhost:8080/resource/concept?uri=http://data.europa.eu/esco/skill-reuse-
    level/cross-sector&language=en",
    "uri" : "http://data.europa.eu/esco/skill-reuse-level/cross-sector",
    "title" : "cross-sector skills and competences",
    "code" : "Level 2"
  } ],
  "isEssentialForOccupation" : [ {
    "href" :
    "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
    n/951b9d94-9bf1-4771-877d-3a26b75d9e53&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/951b9d94-9bf1-4771-877d-
    3a26b75d9e53",
    "title" : "animation layout artist"
  }, {
    "href" :
    "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
    n/b65530b8-0b50-49da-8e9e-331b161374a5&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/b65530b8-0b50-49da-8e9e-
    331b161374a5",
    "title" : "broadcast news editor"
  }, {
    "href" :
    "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
    n/78216000-edc1-474b-9569-28ed6a657da2&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/78216000-edc1-474b-9569-
    28ed6a657da2",
    "title" : "desktop publisher"
  }, {
    "href" :
    "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
    n/b1c0714d-77f1-4732-8fd8-9f0739fb9974&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/b1c0714d-77f1-4732-8fd8-
    9f0739fb9974",
    "title" : "special effects artist"
  } ]

```

```

    }, {
      "href" :
"http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/47e4135b-95d1-4462-920c-afcbd7c4d9be&language=en",
      "uri" : "http://data.europa.eu/esco/occupation/47e4135b-95d1-4462-920c-
afcbd7c4d9be",
      "title" : "performance rental technician"
    }, {
      "href" :
"http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/fe4a72af-6206-4d86-90c1-b5fb4b5ba2b2&language=en",
      "uri" : "http://data.europa.eu/esco/occupation/fe4a72af-6206-4d86-90c1-
b5fb4b5ba2b2",
      "title" : "broadcast technician"
    }, {
      "href" :
"http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/83b30677-6468-4a04-b20c-15daf6bc8fb5&language=en",
      "uri" : "http://data.europa.eu/esco/occupation/83b30677-6468-4a04-b20c-
15daf6bc8fb5",
      "title" : "import export specialist in computers, peripheral equipment and
software"
    }, {
      "href" :
"http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/30b25ee4-da97-4167-8592-460217f6bdcc&language=en",
      "uri" : "http://data.europa.eu/esco/occupation/30b25ee4-da97-4167-8592-
460217f6bdcc",
      "title" : "animation director"
    }, {
      "href" :
"http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/1c9937fe-5eaa-4f7e-ba31-77e6e7db022c&language=en",
      "uri" : "http://data.europa.eu/esco/occupation/1c9937fe-5eaa-4f7e-ba31-
77e6e7db022c",
      "title" : "aerospace engineering drafter"
    }, {
      "href" :
"http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/79fed799-ab3a-43d9-bd91-414c2c3b2f57&language=en",
      "uri" : "http://data.europa.eu/esco/occupation/79fed799-ab3a-43d9-bd91-
414c2c3b2f57",
      "title" : "tooling engineer"
    }, {
      "href" :
"http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/b9296f1a-a68b-4ac7-9904-f2cf1374fbaf&language=en",
      "uri" : "http://data.europa.eu/esco/occupation/b9296f1a-a68b-4ac7-9904-
f2cf1374fbaf",
      "title" : "material stress analyst"
    }, {
      "href" :
"http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/48c8eccb-4bd0-487e-a187-4953cbbe956e&language=en",

```

```

    "uri" : "http://data.europa.eu/esco/occupation/48c8eccb-4bd0-487e-a187-4953cbbe956e",
    "title" : "animator"
  }, {
    "href" :
"http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupation/04849c5c-9236-4a75-aabb-11c6d03e459c&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/04849c5c-9236-4a75-aabb-11c6d03e459c",
    "title" : "marine engineering technician"
  }, {
    "href" :
"http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupation/3ff2fdf4-af54-4517-873d-73e9353f112e&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/3ff2fdf4-af54-4517-873d-73e9353f112e",
    "title" : "computer games, multimedia and software specialised seller"
  }, {
    "href" :
"http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupation/ec2c0655-5ba0-4cc8-860a-977f73b37f34&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/ec2c0655-5ba0-4cc8-860a-977f73b37f34",
    "title" : "subtitler"
  }, {
    "href" :
"http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupation/d8e5410b-5199-403f-8cbd-d32efb17a296&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/d8e5410b-5199-403f-8cbd-d32efb17a296",
    "title" : "computer shop manager"
  }, {
    "href" :
"http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupation/ac734172-ae9a-41ab-80a0-a7b33694e027&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/ac734172-ae9a-41ab-80a0-a7b33694e027",
    "title" : "video and motion picture editor"
  }, {
    "href" :
"http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupation/691c86d9-d88f-440f-b885-7ed9726f782c&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/691c86d9-d88f-440f-b885-7ed9726f782c",
    "title" : "computer software and multimedia shop manager"
  }, {
    "href" :
"http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupation/8cb59bc4-1f39-477e-beea-effed12d186c&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/8cb59bc4-1f39-477e-beea-effed12d186c",
    "title" : "technical communicator"
  }, {

```



```

    "href" :
    "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/9e47c727-5718-48f1-a567-6a4c09397a21&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/9e47c727-5718-48f1-a567-
6a4c09397a21",
    "title" : "aerodynamics engineer"
  }, {
    "href" :
    "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/4dc6e03f-bfb0-4078-a453-01bd1cb735aa&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/4dc6e03f-bfb0-4078-a453-
01bd1cb735aa",
    "title" : "computer and accessories specialised seller"
  }, {
    "href" :
    "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/72add02e-ae39-4dfb-8047-ced4c1a347f5&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/72add02e-ae39-4dfb-8047-
ced4c1a347f5",
    "title" : "picture editor"
  }, {
    "href" :
    "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/0f2c04f1-9001-4a77-884f-1ea16949f6f6&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/0f2c04f1-9001-4a77-884f-
1ea16949f6f6",
    "title" : "rolling stock engineering technician"
  }, {
    "href" :
    "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/05a55bb3-68d6-4ff0-83fd-46a68a45a598&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/05a55bb3-68d6-4ff0-83fd-
46a68a45a598",
    "title" : "aerospace engineering technician"
  }, {
    "href" :
    "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/444c9aa9-578d-4a9a-9949-99ef1bacb20e&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/444c9aa9-578d-4a9a-9949-
99ef1bacb20e",
    "title" : "automotive engineering technician"
  } ],
  "isOptionalForOccupation" : [ {
    "href" :
    "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/d3570716-cc0d-4a61-b9a0-9b3081050e9d&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/d3570716-cc0d-4a61-b9a0-
9b3081050e9d",
    "title" : "entertainment journalist"
  }, {
    "href" :
    "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/1b949bae-882f-40ff-9fe7-3c8ede5e38b5&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/1b949bae-882f-40ff-9fe7-
3c8ede5e38b5",

```

```

    "title" : "illustrator"
  }, {
    "href" :
"http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/491cf76d-eb0d-4f15-90f0-3f5c9b11472a&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/491cf76d-eb0d-4f15-90f0-
3f5c9b11472a",
    "title" : "gambling, betting, and lottery quality assurance engineer"
  }, {
    "href" :
"http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/d372b694-041a-4978-bd81-efbb763ee70d&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/d372b694-041a-4978-bd81-
efbb763ee70d",
    "title" : "crime journalist"
  }, {
    "href" :
"http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/579254cf-6d69-4889-9000-9c79dc568644&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/579254cf-6d69-4889-9000-
9c79dc568644",
    "title" : "mechanical engineer"
  }, {
    "href" :
"http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/61b859ed-24d8-48cf-9c1b-67d7a6c62bb5&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/61b859ed-24d8-48cf-9c1b-
67d7a6c62bb5",
    "title" : "import export specialist"
  }, {
    "href" :
"http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/547b304b-9a72-4717-9b24-b7046df5f64e&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/547b304b-9a72-4717-9b24-
b7046df5f64e",
    "title" : "specialised seller"
  }, {
    "href" :
"http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/ce7d3362-5383-47d1-b66f-57b021c3d862&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/ce7d3362-5383-47d1-b66f-
57b021c3d862",
    "title" : "radio producer"
  }, {
    "href" :
"http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/18552245-3c36-4a52-b4c6-295cabb5c93b&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/18552245-3c36-4a52-b4c6-
295cabb5c93b",
    "title" : "gambling, betting, and lottery game developer"
  }, {
    "href" :
"http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/eb7e42d0-9b3f-49ad-81f1-b9ee8491bf39&language=en",

```

```

    "uri" : "http://data.europa.eu/esco/occupation/eb7e42d0-9b3f-49ad-81f1-
b9ee8491bf39",
    "title" : "political journalist"
  }, {
    "href" :
"http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/ecd0fad8-b099-4c47-93f6-dde9f6f6c5fc&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/ecd0fad8-b099-4c47-93f6-
dde9f6f6c5fc",
    "title" : "cartoonist"
  }, {
    "href" :
"http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/ec5b72d1-0206-4179-9abd-570c66bc44b9&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/ec5b72d1-0206-4179-9abd-
570c66bc44b9",
    "title" : "e-learning developer"
  }, {
    "href" :
"http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/4cc98057-8ed5-4b45-855b-7a67bc2e5bae&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/4cc98057-8ed5-4b45-855b-
7a67bc2e5bae",
    "title" : "foreign correspondent"
  }, {
    "href" :
"http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/0dce2f9b-eda5-4dc4-ba74-36eed8c9a44&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/0dce2f9b-eda5-4dc4-ba74-
36eed8c9a44",
    "title" : "audio describer"
  }, {
    "href" :
"http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/1d4a4baf-4073-43bd-ac72-ff7d443273ff&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/1d4a4baf-4073-43bd-ac72-
ff7d443273ff",
    "title" : "disc jockey"
  }, {
    "href" :
"http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/b866b3bb-3dbd-4b3d-9a53-9ec15f43ca2f&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/b866b3bb-3dbd-4b3d-9a53-
9ec15f43ca2f",
    "title" : "columnist"
  }, {
    "href" :
"http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/ae66ca51-e762-48b4-bd46-071dc87cb30d&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/ae66ca51-e762-48b4-bd46-
071dc87cb30d",
    "title" : "storyboard artist"
  }, {

```

```

    "href" :
    "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/0d21a30d-25d9-427b-b8e4-339408425ff5&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/0d21a30d-25d9-427b-b8e4-
339408425ff5",
    "title" : "chemical production manager"
  }, {
    "href" :
    "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/fdd8eef7-d89c-419f-9166-0747f466a769&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/fdd8eef7-d89c-419f-9166-
0747f466a769",
    "title" : "critic"
  }, {
    "href" :
    "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/53d2052f-edc0-4f44-8be1-164526412bfe&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/53d2052f-edc0-4f44-8be1-
164526412bfe",
    "title" : "industrial engineer"
  }, {
    "href" :
    "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/a47f82d3-4cf7-4abf-bb36-2c8cbad28234&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/a47f82d3-4cf7-4abf-bb36-
2c8cbad28234",
    "title" : "journalist"
  }, {
    "href" :
    "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/d5a43cd3-230e-46d0-ba05-d67d61e5cfbb&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/d5a43cd3-230e-46d0-ba05-
d67d61e5cfbb",
    "title" : "digital media designer"
  }, {
    "href" :
    "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/a241eff8-309b-43ae-8890-ac4cfbd3067c&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/a241eff8-309b-43ae-8890-
ac4cfbd3067c",
    "title" : "chemical processing plant controller"
  }, {
    "href" :
    "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/6426ada1-4d8c-4612-99e3-91bc569805ee&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/6426ada1-4d8c-4612-99e3-
91bc569805ee",
    "title" : "manufacturing manager"
  }, {
    "href" :
    "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/70b5896f-988e-4084-9c19-2c82bd5cc9a5&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/70b5896f-988e-4084-9c19-
2c82bd5cc9a5",
    "title" : "sports journalist"
  }

```

```

    }, {
      "href" :
      "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/6ba25e0f-7fb8-4879-a1f9-d4f8945966be&language=en",
      "uri" : "http://data.europa.eu/esco/occupation/6ba25e0f-7fb8-4879-a1f9-
d4f8945966be",
      "title" : "director of photography"
    }, {
      "href" :
      "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/db3da11f-67a0-415f-b785-81f33d3be810&language=en",
      "uri" : "http://data.europa.eu/esco/occupation/db3da11f-67a0-415f-b785-
81f33d3be810",
      "title" : "business journalist"
    }, {
      "href" :
      "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/c956be07-53a3-4b01-b8f8-f0c5a428eaa8&language=en",
      "uri" : "http://data.europa.eu/esco/occupation/c956be07-53a3-4b01-b8f8-
f0c5a428eaa8",
      "title" : "technical sales representative"
    }, {
      "href" :
      "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/a4869ae9-2dfe-48cc-bd97-f803880f3407&language=en",
      "uri" : "http://data.europa.eu/esco/occupation/a4869ae9-2dfe-48cc-bd97-
f803880f3407",
      "title" : "drafter"
    }, {
      "href" :
      "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/cb93fd23-1f51-4495-867a-936c1967066b&language=en",
      "uri" : "http://data.europa.eu/esco/occupation/cb93fd23-1f51-4495-867a-
936c1967066b",
      "title" : "art director"
    } ],
    "isOptionalForSkill" : [ {
      "href" :
      "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/dfb9cec6-
3ae3-408a-9d57-c44361bf7aaf&language=en",
      "uri" : "http://data.europa.eu/esco/skill/dfb9cec6-3ae3-408a-9d57-
c44361bf7aaf",
      "title" : "provide multimedia content"
    }, {
      "href" :
      "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/af8ca5cf-
7fd1-4275-a886-e951c335d497&language=en",
      "uri" : "http://data.europa.eu/esco/skill/af8ca5cf-7fd1-4275-a886-
e951c335d497",
      "title" : "assist multimedia operator"
    }, {
      "href" :
      "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/3233330f-
bb93-47ea-93b4-ed903d05d9f1&language=en",

```

```

    "uri" : "http://data.europa.eu/esco/skill/3233330f-bb93-47ea-93b4-
ed903d05d9f1",
    "title" : "set up multimedia equipment"
  } ]
},
"_embedded" : { }
}

```

Concept resource

This is an example of a response payload of get concept request. For an explanation of all properties see method get concept.

JSON HAL Object representation Concept resource

HTTP/1.1 200 OK

Content-Type: application/json; charset=UTF-8

Content-Length: 6271

```

{
  "className" : "Concept",
  "classId" : "http://www.w3.org/2004/02/skos/core#Concept",
  "uri" : "http://data.europa.eu/esco/isco/C2654",
  "title" : "Film, stage and related directors and producers",
  "preferredLabel" : {
    "de" : "Regisseure und Produzenten im Film- und Bühnenbereich sowie in
    verwandten Bereichen",
    "no" : "Regissører",
    "fi" : "Ohjaajat ja tuottajat",
    "sv" : "Regissörer och producenter av film, teater m.m.",
    "pt" : "Encenadores, realizadores e directores e produtores similares",
    "bg" : "Филмови и театрални режисьори и продуценти и сродни на тях",
    "mt" : "Diretturi u produttori tal-films, palk u oħrajn li għandhom x'jaqsmu ma'
    dan",
    "el" : "Σκηνοθέτες κινηματογράφου, θεάτρου και συναφείς διευθυντές και
    παραγωγοί",
    "lt" : "Kino, teatro ir susijusių sričių režisieriai ir prodiuseriai",
    "en" : "Film, stage and related directors and producers",
    "lv" : "Kino, teātra un tiem radniecīgu jomu režisori un producenti",
    "hr" : "Filmski i kazališni redatelji i producenti/filmske i kazališne redateljice i
    producentice i srodna zanimanja",
    "it" : "Registi, sceneggiatori, produttori ed assimilati",
    "fr" : "Metteurs en scène de cinéma, de théâtre et d'autres spectacles",
    "hu" : "Film, színház- és hasonló rendezők, producerek",
    "es" : "Directores de cine, de teatro y afines",
    "et" : "Filmi-, teatri- jms lavastajad ja produtsendid",
    "cs" : "Filmoví, divadelní a příbuzní režiséři a producenti",
    "sk" : "Filmoví, divadelní a podobní režiséři a producenti",
    "sl" : "Filmski, gledališki direktorji in producenti/filmske, gledališče direktorice in
    producentke ipd.",
    "pl" : "Reżyserzy i producenci filmowi, teatralni i pokrewni",
    "ro" : "Regizori și producători de film, teatru și alte spectacole",
    "da" : "Arbejde med instruktion og produktion af film, teater og beslægtede
    funktioner",
    "nl" : "Regisseurs en producenten voor film en theater e.d."
  },
}

```

```

"code" : "2654",
"codes" : [ {
  "datatype" : "",
  "value" : "2654"
}, {
  "datatype" : "http://data.europa.eu/esco/Notation/ISCO08",
  "value" : "2654"
} ],
"description" : {
  "en" : {
    "literal" : "Film, stage and related directors and producers oversee and control the
technical and artistic aspects of motion pictures, television or radio productions and
stage shows.\nTasks include -\n(a) choosing writers, studying scripts to determine
artistic interpretation, and instructing actors on acting methods;\n(b) directing all
aspects of dramatic productions on stage, television, radio or in motion pictures,
including choice of actors, and final decisions concerning costumes, set designs, sound
or lighting effects;\n(c) planning, organizing and controlling the various stages and
scheduling involved in the production of presentations, motion pictures, television
shows and radio programmes;\n(d) engaging and supervising all technical personnel,
and determining the treatment, scope and scheduling of production;\n(e) maintaining
production archives and negotiating royalties;\n(f) creating, planning or writing
scripts for recording, videotaping and editing programmes;\n(g) supervising the
positioning of scenery, props and lighting and sound equipment.\nExamples of the
occupations classified here:\n- Documentary director\n- Film editor\n- Motion picture
director \n- Photography director\n- Stage director\n- Technical director\n- Technical
television or radio director\n- Theatre producer\nSome related occupations classified
elsewhere:\n- TV/radio news producer - 2642\n- Broadcasting technician - 3521\n-
Lighting technician - 3521\n- Sound technician - 3521\n- Video technician - 3521\n-
Stage manager - 3435\n",
    "mimetype" : "plain/text"
  }
},
"_links" : {
  "self" : {
    "href" :
      "http://localhost:8080/resource/concept?uri=http://data.europa.eu/esco/isco/C2654&
      language=en",
    "uri" : "http://data.europa.eu/esco/isco/C2654",
    "title" : "Film, stage and related directors and producers"
  },
  "isInScheme" : [ {
    "href" :
      "http://localhost:8080/resource/taxonomy?uri=http://data.europa.eu/esco/concept-
      scheme/isco&language=en",
    "uri" : "http://data.europa.eu/esco/concept-scheme/isco",
    "title" : "ISCO 2008"
  }, {
    "href" :
      "http://localhost:8080/resource/taxonomy?uri=http://data.europa.eu/esco/concept-
      scheme/occupations&language=en",
    "uri" : "http://data.europa.eu/esco/concept-scheme/occupations",
    "title" : "ESCO Occupations"
  } ],
  "broaderConcept" : [ {

```



```

    "href" :
    "http://localhost:8080/resource/concept?uri=http://data.europa.eu/esco/isco/C265&language=en",
    "uri" : "http://data.europa.eu/esco/isco/C265",
    "title" : "Creative and performing artists",
    "code" : "265"
  } ],
  "narrowerOccupation" : [ {
    "href" :
    "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupation/56bff5e1-3c76-4f45-b50e-e3a59bf1053e&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/56bff5e1-3c76-4f45-b50e-e3a59bf1053e",
    "title" : "post-production supervisor"
  }, {
    "href" :
    "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupation/ce7d3362-5383-47d1-b66f-57b021c3d862&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/ce7d3362-5383-47d1-b66f-57b021c3d862",
    "title" : "radio producer"
  }, {
    "href" :
    "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupation/ac734172-ae9a-41ab-80a0-a7b33694e027&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/ac734172-ae9a-41ab-80a0-a7b33694e027",
    "title" : "video and motion picture editor"
  }, {
    "href" :
    "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupation/52b9e8dc-de6c-41dd-b29a-e1291c273f6f&language=en",
    "uri" : "http://data.europa.eu/esco/occupation/52b9e8dc-de6c-41dd-b29a-e1291c273f6f",
    "title" : "producer"
  } ]
  },
  "_embedded" : { }
}

```

Get related resources

This is an example of a response payload of a get related resources request. For an explanation of all properties see method get related resources.

JSON HAL Object representation of the queried result set.

HTTP/1.1 200 OK

Content-Type: application/json;charset=UTF-8

Content-Length: 5771

```
{
  "total" : 10,
  "offset" : 2,
  "limit" : 2,
  "language" : "en",
  "uri" : "http://data.europa.eu/esco/concept-scheme/occupations",
  "relation" : "hasTopConcept",
  "_links" : {
    "self" : {
      "href" : "http://localhost:8080/resource/related?uri=http://data.europa.eu/esco/concept-scheme/occupations&relation=hasTopConcept&limit=2&offset=2&language=en"
    },
    "prev" : {
      "href" : "http://localhost:8080/resource/related?uri=http://data.europa.eu/esco/concept-scheme/occupations&relation=hasTopConcept&limit=2&offset=1&language=en"
    },
    "next" : {
      "href" : "http://localhost:8080/resource/related?uri=http://data.europa.eu/esco/concept-scheme/occupations&relation=hasTopConcept&limit=2&offset=3&language=en"
    }
  },
  "_embedded" : {
    "hasTopConcept" : [ {
      "className" : "Concept",
      "classId" : "http://www.w3.org/2004/02/skos/core#Concept",
      "uri" : "http://data.europa.eu/esco/isco/C6",
      "title" : "Skilled agricultural, forestry and fishery workers",
      "preferredLabel" : {
        "de" : "Fachkräfte in Land- und Forstwirtschaft und Fischerei",
        "no" : "Bønder",
        "fi" : "Maanviljelijät, metsätyöntekijät ym.",
        "sv" : "Arbete inom jordbruk, trädgård, skogsbruk och fiske",
        "pt" : "Trabalhadores qualificados da agricultura, da silvicultura e da pesca",
        "bg" : "Квалифицирани работници в селското, горското, ловното и рибното стопанство",
        "el" : "Ειδικευμένοι γεωργοί, κτηνοτρόφοι, δασοκόμοι και αλιείς",
        "mt" : "Haddiema tas-sengha fl-agrikoltura, forestrija u sajd",
        "lt" : "Kvalifikuoti žemės ūkio, miškininkystės ir žuvininkystės darbininkai",
        "en" : "Skilled agricultural, forestry and fishery workers",
        "hr" : "Poljoprivrednici/poljoprivrednice, šumari/šumarke, ribari/ribarke, lovci/lovkinje",
        "lv" : "Kvalificēti lauksaimniecības, mežsaimniecības un zivsaimniecības darbinieki",
        "it" : "Personale specializzato addetto all'agricoltura, alle foreste e alla pesca",
        "fr" : "Agriculteurs et ouvriers qualifiés de l'agriculture, de la sylviculture et de la pêche",
      }
    }
  ]
}
```

```

    "hu" : "Szakképesített mezőgazdasági és halászati foglalkozások",
    "es" : "Agricultores y trabajadores calificados agropecuarios, forestales y
pesqueros",
    "et" : "Põllumajanduse, metsanduse (jahinduse) ja kalanduse oskustöölised",
    "cs" : "Kvalifikovaní pracovníci v zemědělství, lesnictví a rybářství",
    "sk" : "Kvalifikovaní pracovníci v poľnohospodárstve, lesníctve a rybárstve",
    "sl" : "Kmetovalci/kmetovalke, gozdarji/gozdarke, ribiči/ribičke, lovci/lovke",
    "pl" : "Wykwalifikowani rolnicy, robotnicy leśni i rybacy",
    "da" : "Arbejde inden for landbrug, skovbrug og fiskeri ekskl. medhjælp",
    "ro" : "Agricultori și lucrători calificați în agricultură, silvicultură și pescuit",
    "nl" : "Geschoolde landbouwers, bosbouwers en vissers"
  },
  "isTopConceptInScheme" : [ "http://data.europa.eu/esco/concept-
scheme/occupations", "http://data.europa.eu/esco/concept-scheme/isco" ],
  "code" : "6",
  "isInScheme" : [ "http://data.europa.eu/esco/concept-scheme/occupations",
"http://data.europa.eu/esco/concept-scheme/isco" ],
  "_links" : {
    "self" : {
      "href" :
"http://localhost:8080/resource/concept?uri=http://data.europa.eu/esco/isco/C6&lang
uage=en",
      "uri" : "http://data.europa.eu/esco/isco/C6",
      "title" : "Skilled agricultural, forestry and fishery workers"
    }
  }, {
    "className" : "Concept",
    "classId" : "http://www.w3.org/2004/02/skos/core#Concept",
    "uri" : "http://data.europa.eu/esco/isco/C1",
    "title" : "Managers",
    "preferredLabel" : {
      "de" : "Führungskräfte",
      "no" : "Ledere",
      "fi" : "Johtajat",
      "sv" : "Ledningsarbete",
      "pt" : "Pessoal de chefia e direção",
      "bg" : "Ръководители",
      "el" : "Ανώτερα διευθυντικά και διοικητικά στελέχη",
      "mt" : "Manigers:",
      "lt" : "Vadovai",
      "en" : "Managers",
      "hr" : "Zakonodavci/zakonodavke, dužnosnici/dužnosnice i direktori/direktorice",
      "lv" : "Vadītāji",
      "it" : "Dirigenti",
      "fr" : "Directeurs, cadres de direction et gérants",
      "hu" : "Vezetők",
      "es" : "Directores y gerentes",
      "et" : "Juhid",
      "cs" : "Zákonodárci, vedoucí a řídící pracovníci",
      "sk" : "Zákonodarcovia, riadiaci pracovníci:",
      "sl" : "Menedžerji",
      "pl" : "Kierownicy",
      "da" : "Ledelsesarbejde",

```

```

    "ro" : "Membri ai corpului legislativ ai executivului, înalți conducători ai
    administrației publice, conducători și funcționari superiori din unitățile economico-
    sociale și politice",
    "nl" : "Leidinggevende functies"
  },
  "isTopConceptInScheme" : [ "http://data.europa.eu/esco/concept-
  scheme/occupations", "http://data.europa.eu/esco/concept-scheme/isco" ],
  "code" : "1",
  "isInScheme" : [ "http://data.europa.eu/esco/concept-scheme/occupations",
  "http://data.europa.eu/esco/concept-scheme/isco" ],
  "_links" : {
    "self" : {
      "href" :
      "http://localhost:8080/resource/concept?uri=http://data.europa.eu/esco/isco/C1&lang
      uage=en",
      "uri" : "http://data.europa.eu/esco/isco/C1",
      "title" : "Managers"
    }
  }
}
}
}
}
}

```

Full text search (complete mode)

This is an example of a response payload of a full text search request. For an explanation of all properties see method full text search (complete mode).

JSON HAL Object representation of the search result set.

HTTP/1.1 200 OK

Content-Type: application/json; charset=UTF-8

Content-Length: 44092

```

{
  "total" : 2356,
  "offset" : 2,
  "limit" : 2,
  "text" : "manager",
  "language" : "en",
  "type" : [ "occupation", "skill", "concept" ],
  "isInScheme" : null,
  "facet" : [ "type", "isInScheme" ],
  "facets" : {
    "type" : {
      "http://data.europa.eu/esco/model#Occupation" : 764,
      "http://www.w3.org/2004/02/skos/core#Concept" : 155,
      "http://data.europa.eu/esco/model#Skill" : 1437,
      "http://www.w3.org/2004/02/skos/core#ConceptScheme" : 0
    },
    "isInScheme" : {
      "http://data.europa.eu/esco/concept-scheme/member-occupations" : 764,
      "http://data.europa.eu/esco/concept-scheme/skill-ict-groups" : 3,
      "http://data.europa.eu/esco/concept-scheme/regulated-professions" : 0,
      "http://data.europa.eu/esco/concept-scheme/skill-competence-type" : 0,
      "http://data.europa.eu/esco/concept-scheme/skill-reuse-level" : 0,

```

```

    "http://data.europa.eu/esco/concept-scheme/label-role" : 0,
    "http://data.europa.eu/esco/concept-scheme/isco" : 155,
    "http://data.europa.eu/esco/concept-scheme/relationship-types" : 0,
    "http://data.europa.eu/esco/concept-scheme/skills" : 1437,
    "http://data.europa.eu/esco/concept-scheme/occupations" : 919,
    "http://data.europa.eu/esco/concept-scheme/member-skills" : 1437,
    "http://data.europa.eu/esco/concept-scheme/skill-transversal-groups" : 18,
    "http://data.europa.eu/esco/concept-scheme/skill-language-groups" : 0
  },
  "_links" : {
    "self" : {
      "href" :
"http://localhost:8080/search?text=manager&type=occupation&type=skill&type=concept&facet=type&facet=isInScheme&limit=2&offset=2&full=true&language=en"
    },
    "prev" : {
      "href" :
"http://localhost:8080/search?text=manager&type=occupation&type=skill&type=concept&facet=type&facet=isInScheme&limit=2&offset=1&full=true&language=en"
    },
    "next" : {
      "href" :
"http://localhost:8080/search?text=manager&type=occupation&type=skill&type=concept&facet=type&facet=isInScheme&limit=2&offset=3&full=true&language=en"
    }
  },
  "_embedded" : {
    "results" : [ {
      "className" : "Occupation",
      "classId" : "http://data.europa.eu/esco/model#Occupation",
      "uri" : "http://data.europa.eu/esco/occupation/6aef7360-8c4a-4e1a-a402-b1e207101dc8",
      "title" : "camping ground manager",
      "referenceLanguage" : [ "en" ],
      "preferredLabel" : {
        "no" : "campingplassbestyrer",
        "de" : "Campingplatzmanager/Campingplatzmanagerin",
        "en-us" : "camping ground manager",
        "fi" : "leirintäalueen päällikkö",
        "pt" : "Gestor de parque de campismo/Gestora de parque de campismo",
        "bg" : "управител на къмпинг/управителка на къмпинг",
        "lt" : "kempingo vadovas",
        "lv" : "kempinga vadītājs / kempinga vadītājs",
        "hr" : "upravitelj/upraviteljica kampa",
        "fr" : "responsable du camping",
        "hu" : "kempingszolgáltatásokat irányító menedzser",
        "sk" : "riaditeľ/riaditeľka kempingu",
        "sl" : "vodja kampa",
        "ga" : "bainisteoir láthair champála",
        "sv" : "campingchef",
        "el" : "διοικητής χώρου κατασκήνωσης/διοικητρια χώρου κατασκήνωσης",
        "mt" : "maniġer tal-erja għall-kampeġġ",
        "en" : "camping ground manager",
        "is" : "umsjónarmaður tjaldsvæðis",

```

```

"it" : "responsabile dell'area di campeggio",
"es" : "gerente de camping",
"et" : "kämpingu juht",
"cs" : "manažer kempinku/manažerka kempinku",
"ar" : "مدير أراضي التخييم / مديرة أراضي التخييم",
"pl" : "zarządca terenu kempingowego",
"ro" : "director de camping/directoare de camping",
"da" : "campingpladsbestyrer",
"nl" : "campingbeheerder"
},
"alternativeLabel" : {
  "de" : [ "Campingplatzmanagerin", "Zeltplatzverwalterin",
"Campingplatzmanager", "Zeltplatzverwalter" ],
  "fi" : [ "leirintäalueen johtaja", "leirintäalueen päälliköt", "retkeilyalueen
johtajat", "retkeilyalueen johtaja", "retkeilyalueen päällikkö", "retkeilyalueen
päälliköt", "leirintäalueen johtajat" ],
  "pt" : [ "Gestora de parque de campismo", "Gestor de campismo", "Gestor de
parque de campismo", "Gestora de campismo" ],
  "bg" : [ "управител на къмпинг", "мениджър на къмпинг", "мениджърка на
къмпинг", "управителка на къмпинг", "управители на къмпинг", "управителки на
къмпинг" ],
  "lt" : [ "kempingo vadovė", "kempingo vadovas", "kempingo administratorius",
"stovyklavietės vadovas" ],
  "lv" : [ "kempinga pārvaldniece", "kempinga vadītāja", "kempinga pārvaldnieks",
"kempinga vadītājs" ],
  "hr" : [ "upravitelj kamperskim zemljištem", "upraviteljica kamperskim
zemljištem", "upravitelj kampa", "upraviteljica kampa", "menadžer kampa",
"menadžerica kampa" ],
  "fr" : [ "gestionnaire du camping", "directeur du camping", "responsable du site
de camping", "directrice du camping", "responsable du campement" ],
  "hu" : [ "kemping menedzser", "kempingszolgáltatásokért felelős menedzser",
"kempingszolgáltatások irányításáért felelős menedzser", "kemping létesítményt
irányító menedzser", "kempingszolgáltatásokat irányító menedzserek" ],
  "sk" : [ "manažérka kempu", "správca kempu", "riadiateľka kempingu",
"kempingová koordinátorka", "správkyňa kempu", "kempingový koordinátor",
"manažér kempu", "riadiateľ kempingu" ],
  "sl" : [ "vodja območja za kampiranje", "vodja camping območja", "vodja
območja kampa", "vodja avtokampa" ],
  "ga" : [ "bainisteoir ionaid campála" ],
  "sv" : [ "campingledare", "chef för camping", "campingansvarig", "ansvarig för
camping", "driftsledare på camping", "campingchefer" ],
  "mt" : [ "manigier tal-erja tal-kampeġġ", "manigier ta' art għall-kampeġġi" ],
  "el" : [ "υπεύθυνη χώρου κάμπινγκ", "υπεύθυνος χώρου κάμπινγκ", "διευθύντρια
χώρου κατασκήνωσης", "διευθυντής χώρου κατασκήνωσης" ],
  "en" : [ "countryside manager", "camp-site manager", "campgrounds manager",
"camping manager", "camping pitch manager", "campground manager" ],
  "is" : [ "tjaldsvæðisstjóri", "tjaldstæðisstjóri" ],
  "it" : [ "supervisore del campeggio", "responsabile di campeggio", "responsabile
del camping", "supervisore del camping", "responsabile dell'area dei campeggi" ],
  "es" : [ "directora de camping", "encargado de camping", "responsable de zona
de acampada", "encargado de terreno de acampada", "responsable de terreno de
acampada", "encargada de camping", "encargada de terreno de acampada", "director
de camping" ],
  "et" : [ "kämpingu juhataja", "kämpinguala haldaja" ],

```

```

    "cs" : [ "manažerka kempinku", "vedoucí autokempinku", "ředitel kempu",
    "ředitelka kempu", "manažer kempinku", "vedoucí kempinku" ],
    "pl" : [ "zarządca obszaru kempingowego", "zarządca terenu rekreacyjnego",
    "zarządca terenu kempingu", "zarządca terenu obozowego", "zarządca terenu obozu"
    ],
    "ro" : [ "manager de camping", "directoare de camping", "manager camping",
    "director de camping" ],
    "da" : [ "leder af plads til campingvogne", "leder af friluftsplads", "leder af plads
    til camping", "chef for campingplads", "leder af område til lejrLiv", "leder af teltpads",
    "leder af campingplads" ],
    "nl" : [ "beheerder van het kampeerterein", "campingmanager", "beheerder van
    het campingterrein" ]
  },
  "description" : {
    "en-us" : {
      "literal" : "Camping ground managers plan, direct, or coordinate all campsite
      facilities and manages employees.",
      "mimetype" : "plain/text"
    },
    "en" : {
      "literal" : "Camping ground managers plan, direct, or coordinate all campsite
      facilities and manages employees.",
      "mimetype" : "plain/text"
    }
  },
  "status" : "released",
  "_links" : {
    "self" : {
      "href" :
      "http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
      n/6aef7360-8c4a-4e1a-a402-b1e207101dc8&language=en",
      "uri" : "http://data.europa.eu/esco/occupation/6aef7360-8c4a-4e1a-a402-
      b1e207101dc8",
      "title" : "camping ground manager"
    },
    "isTopConceptInScheme" : [ {
      "href" :
      "http://localhost:8080/resource/taxonomy?uri=http://data.europa.eu/esco/concept-
      scheme/member-occupations&language=en",
      "uri" : "http://data.europa.eu/esco/concept-scheme/member-occupations",
      "title" : "ESCO member occupations"
    } ],
    "isInScheme" : [ {
      "href" :
      "http://localhost:8080/resource/taxonomy?uri=http://data.europa.eu/esco/concept-
      scheme/occupations&language=en",
      "uri" : "http://data.europa.eu/esco/concept-scheme/occupations",
      "title" : "ESCO Occupations"
    } ], {
      "href" :
      "http://localhost:8080/resource/taxonomy?uri=http://data.europa.eu/esco/concept-
      scheme/member-occupations&language=en",
      "uri" : "http://data.europa.eu/esco/concept-scheme/member-occupations",
      "title" : "ESCO member occupations"
    } ],
  } ],

```

```

    "regulatedProfessionNote" : {
      "href" :
        "http://localhost:8080/resource/concept?uri=http://data.europa.eu/esco/regulated-
        professions/unregulated&language=en",
      "uri" : "http://data.europa.eu/esco/regulated-professions/unregulated",
      "title" : "To see if and how this occupation is regulated in EU Member States,
        EEA countries or Switzerland please consult the Regulated Professions Database of the
        Commission. Regulated Professions Database: http://ec.europa.eu/growth/single-
        market/services/free-movement-professionals/qualifications-recognition_en"
    },
    "broaderIscoGroup" : [ {
      "href" :
        "http://localhost:8080/resource/concept?uri=http://data.europa.eu/esco/isco/C1439&
        language=en",
      "uri" : "http://data.europa.eu/esco/isco/C1439",
      "title" : "Services managers not elsewhere classified",
      "code" : "1439"
    } ],
    "hasEssentialSkill" : [ {
      "href" :
        "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/11245eee-
        fcbd-44c7-aa6a-3db2eb40106c&language=en",
      "uri" : "http://data.europa.eu/esco/skill/11245eee-fcbd-44c7-aa6a-
        3db2eb40106c",
      "title" : "manage inspections of equipment"
    }, {
      "href" :
        "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/b99aa3b8-
        0066-46b2-a027-30afae444ad8&language=en",
      "uri" : "http://data.europa.eu/esco/skill/b99aa3b8-0066-46b2-a027-
        30afae444ad8",
      "title" : "implement sales strategies"
    }, {
      "href" :
        "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/f077719c-
        82ff-4035-9426-47c5eb554454&language=en",
      "uri" : "http://data.europa.eu/esco/skill/f077719c-82ff-4035-9426-
        47c5eb554454",
      "title" : "manage medium term objectives"
    }, {
      "href" :
        "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/3df9e9b9-
        e63c-43ac-88db-4925a41832c2&language=en",
      "uri" : "http://data.europa.eu/esco/skill/3df9e9b9-e63c-43ac-88db-
        4925a41832c2",
      "title" : "procure hospitality products"
    }, {
      "href" :
        "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/a2eb9bb5-
        e539-4c71-98a7-595709f2d699&language=en",
      "uri" : "http://data.europa.eu/esco/skill/a2eb9bb5-e539-4c71-98a7-
        595709f2d699",
      "title" : "manage inventory of camping supplies"
    }, {

```



```

    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/27cea4fb-
    1441-4694-8771-f54376b8f50f&language=en",
    "uri" : "http://data.europa.eu/esco/skill/27cea4fb-1441-4694-8771-
    f54376b8f50f",
    "title" : "maintain camping facilities"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/0ff99f51-
    40d9-42f1-a1ec-377b2bb5e15f&language=en",
    "uri" : "http://data.europa.eu/esco/skill/0ff99f51-40d9-42f1-a1ec-
    377b2bb5e15f",
    "title" : "comply with food safety and hygiene"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/21c5790c-
    0930-4d74-b3b0-84caf5af12ea&language=en",
    "uri" : "http://data.europa.eu/esco/skill/21c5790c-0930-4d74-b3b0-
    84caf5af12ea",
    "title" : "manage budgets"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/d4ef994f-
    c2d0-4ea1-88d2-ad2aa9e0e079&language=en",
    "uri" : "http://data.europa.eu/esco/skill/d4ef994f-c2d0-4ea1-88d2-
    ad2aa9e0e079",
    "title" : "monitor work for special events"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/339ac029-
    066a-4985-9f9d-b3d7c8fea0bb&language=en",
    "uri" : "http://data.europa.eu/esco/skill/339ac029-066a-4985-9f9d-
    b3d7c8fea0bb",
    "title" : "manage staff"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/28d715e3-
    3e5b-4fb6-8dd2-4be4919c8587&language=en",
    "uri" : "http://data.europa.eu/esco/skill/28d715e3-3e5b-4fb6-8dd2-
    4be4919c8587",
    "title" : "handle customer complaints"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/e8ef317f-
    c880-4c7a-929f-e08053f976bb&language=en",
    "uri" : "http://data.europa.eu/esco/skill/e8ef317f-c880-4c7a-929f-
    e08053f976bb",
    "title" : "develop strategies for accessibility"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/44e2c4c4-
    9fd2-42d4-a133-d81360ded4bc&language=en",
    "uri" : "http://data.europa.eu/esco/skill/44e2c4c4-9fd2-42d4-a133-
    d81360ded4bc",
    "title" : "manage health and safety standards"
  }

```



```

    }, {
      "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/cc3b901c-4d66-48f8-90b9-41883be1e1ed&language=en",
      "uri" : "http://data.europa.eu/esco/skill/cc3b901c-4d66-48f8-90b9-41883be1e1ed",
      "title" : "plan medium to long term objectives"
    }, {
      "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/e782f412-4cb5-45f1-b5bc-15be441171aa&language=en",
      "uri" : "http://data.europa.eu/esco/skill/e782f412-4cb5-45f1-b5bc-15be441171aa",
      "title" : "manage guest support services"
    }, {
      "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/496932f1-0b6b-4f73-9432-d95c7ddcd43b&language=en",
      "uri" : "http://data.europa.eu/esco/skill/496932f1-0b6b-4f73-9432-d95c7ddcd43b",
      "title" : "recruit employees"
    }, {
      "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/a9e4a63b-6b88-44f6-b37f-94309856f5ba&language=en",
      "uri" : "http://data.europa.eu/esco/skill/a9e4a63b-6b88-44f6-b37f-94309856f5ba",
      "title" : "schedule shifts"
    }, {
      "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/20697183-d42a-45fc-b8ad-03e49bdb7d9e&language=en",
      "uri" : "http://data.europa.eu/esco/skill/20697183-d42a-45fc-b8ad-03e49bdb7d9e",
      "title" : "manage front operations"
    }, {
      "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/c5bc42be-4970-4dce-80e2-af78bae42e84&language=en",
      "uri" : "http://data.europa.eu/esco/skill/c5bc42be-4970-4dce-80e2-af78bae42e84",
      "title" : "manage maintenance operations"
    }, {
      "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/4b1f6b75-6d0e-40e2-8d30-5a8ef5d006b0&language=en",
      "uri" : "http://data.europa.eu/esco/skill/4b1f6b75-6d0e-40e2-8d30-5a8ef5d006b0",
      "title" : "supervise camp operations"
    }, {
      "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/13e2378e-0d10-450d-843a-b3592575826e&language=en",
      "uri" : "http://data.europa.eu/esco/skill/13e2378e-0d10-450d-843a-b3592575826e",

```

```

    "title" : "implement marketing strategies"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/133db141-
afc7-4b56-b19b-b358fc817751&language=en",
    "uri" : "http://data.europa.eu/esco/skill/133db141-afc7-4b56-b19b-
b358fc817751",
    "title" : "supervise entertainment activities for guests"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/221a3714-
9a9e-43a4-869e-184bbea5e32d&language=en",
    "uri" : "http://data.europa.eu/esco/skill/221a3714-9a9e-43a4-869e-
184bbea5e32d",
    "title" : "local area tourism industry"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/b216d9a2-
7d4e-4312-8d05-e375f4ab44d8&language=en",
    "uri" : "http://data.europa.eu/esco/skill/b216d9a2-7d4e-4312-8d05-
e375f4ab44d8",
    "title" : "ensure cross-department cooperation"
  } ],
  "hasOptionalSkill" : [ {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/75dfe1ee-
5935-42ce-b820-697f827825c3&language=en",
    "uri" : "http://data.europa.eu/esco/skill/75dfe1ee-5935-42ce-b820-
697f827825c3",
    "title" : "maintain customer service"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/bdcac0c8-
b77a-4640-9eaf-c0cf3efd1e23&language=en",
    "uri" : "http://data.europa.eu/esco/skill/bdcac0c8-b77a-4640-9eaf-
c0cf3efd1e23",
    "title" : "process payments"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/85e77619-
6723-48cd-9654-2bcbe71054f9&language=en",
    "uri" : "http://data.europa.eu/esco/skill/85e77619-6723-48cd-9654-
2bcbe71054f9",
    "title" : "carry out end of day accounts"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/350c932d-
f9b3-4adb-a5cc-cd5cff4a1912&language=en",
    "uri" : "http://data.europa.eu/esco/skill/350c932d-f9b3-4adb-a5cc-
cd5cff4a1912",
    "title" : "provide tourism related information"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/25c0b413-
f474-42fa-be01-20289d2634c4&language=en",

```

```

    "uri" : "http://data.europa.eu/esco/skill/25c0b413-f474-42fa-be01-20289d2634c4",
    "title" : "deal with arrivals in accommodation"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/c753a3b5-d5cc-406d-adfe-3372bb267f4b&language=en",
    "uri" : "http://data.europa.eu/esco/skill/c753a3b5-d5cc-406d-adfe-3372bb267f4b",
    "title" : "maintain customer records"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/4707da90-9cfc-46ca-8de0-38a0b7bfb137&language=en",
    "uri" : "http://data.europa.eu/esco/skill/4707da90-9cfc-46ca-8de0-38a0b7bfb137",
    "title" : "think analytically"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/26a6e6d2-1c9a-4d7e-8c04-5ba16d1f53da&language=en",
    "uri" : "http://data.europa.eu/esco/skill/26a6e6d2-1c9a-4d7e-8c04-5ba16d1f53da",
    "title" : "greet guests"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/936a42f0-a586-4595-9e47-ca93210761fd&language=en",
    "uri" : "http://data.europa.eu/esco/skill/936a42f0-a586-4595-9e47-ca93210761fd",
    "title" : "process reservations"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/e54ff029-1ce9-447d-a5b2-eb7283a23e6e&language=en",
    "uri" : "http://data.europa.eu/esco/skill/e54ff029-1ce9-447d-a5b2-eb7283a23e6e",
    "title" : "train employees"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/b83669f2-bf53-47ed-af9f-397c5f2dfd4d&language=en",
    "uri" : "http://data.europa.eu/esco/skill/b83669f2-bf53-47ed-af9f-397c5f2dfd4d",
    "title" : "deal with departures in accommodation"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/0cc9c234-f817-4f4c-908a-4d28fe3b0f4a&language=en",
    "uri" : "http://data.europa.eu/esco/skill/0cc9c234-f817-4f4c-908a-4d28fe3b0f4a",
    "title" : "coach employees"
  }, {

```

```

    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/345486f3-
f265-4fc8-8ed0-5e96e768e333&language=en",
    "uri" : "http://data.europa.eu/esco/skill/345486f3-f265-4fc8-8ed0-
5e96e768e333",
    "title" : "process booking"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/c64c4f42-
253b-4d53-8637-fd00d86100c7&language=en",
    "uri" : "http://data.europa.eu/esco/skill/c64c4f42-253b-4d53-8637-
fd00d86100c7",
    "title" : "develop working procedures"
  } ]
}, {
  "_embedded" : { }
}, {
  "className" : "Occupation",
  "classId" : "http://data.europa.eu/esco/model#Occupation",
  "uri" : "http://data.europa.eu/esco/occupation/4887c8a5-35d3-44c3-be69-
346027e485f0",
  "title" : "hospitality entertainment manager",
  "referenceLanguage" : [ "en" ],
  "preferredLabel" : {
    "no" : "leder for sykehusunderholdning",
    "de" : "Bewirtungsmanager/Bewirtungsmanagerin",
    "fi" : "majoituslaitoksen viihdejohtaja",
    "en-us" : "hospitality entertainment manager",
    "pt" : "Gestor de atividades recreativas/Gestora de atividades recreativas",
    "bg" : "мениджър развлечения/мениджърка развлечения",
    "lt" : "svečių pramogų vadovas",
    "lv" : "izklaides organizēšanas vadītājs / izklaides organizēšanas vadītāja",
    "hr" : "upravitelj/upraviteljica ugostiteljskim zabavnim sadržajem",
    "fr" : "responsable des loisirs",
    "hu" : "programszervezésért felelős menedzser",
    "sk" : "riaditeľ/riaditeľka hotelovej zábavy",
    "sl" : "vodja zabavnih programov v gostinstvu in turizmu",
    "ga" : "bainisteoir siamsaíochta in earnáil an fháilteachais",
    "sv" : "nöjesansvarig",
    "el" : "διευθυντής ψυχαγωγίας πελατών ξενοδοχείου/ διευθύντρια ψυχαγωγίας
πελατών ξενοδοχείου",
    "mt" : "manigier tad-divertiment fl-industrija tal-ospitalità",
    "en" : "hospitality entertainment manager",
    "is" : "skemmtanastjóri",
    "it" : "responsabile dell'intrattenimento nel settore dell'ospitalità",
    "es" : "director de animación turística/directora de animación turística",
    "et" : "majutusasutuse meelelahutusjuht",
    "cs" : "manažer animačního týmu v pohostinském zařízení/manažerka
animačního týmu v pohostinském zařízení",
    "ar" : "مدير ترفيه الضيافة / مديرة ترفيه الضيافة",
    "pl" : "kierownik ds. imprez rozrywkowych",
    "ro" : "manager evenimente în domeniul hotelier",
    "da" : "underholdningschef på hotel",
    "nl" : "entertainmentmanager"
  },

```

"alternativeLabel" : {
 "de" : ["Bewirtungsmanagerin", "Bewirtungsleiterin", "Bewirtungsmanager",
 "Bewirtungsleiter", "Gastunterhaltungsmanager", "Gastunterhaltungsmanagerin"],
 "sv" : ["ansvarig för underhållning", "underhållningschef", "nöjeschef"],
 "fi" : ["leirin viihdevastaava", "viihdepäällikkö", "kohteen viihdejohtaja", "leirin
 viihdevastaavat", "viihdepäälliköt", "kohteen viihdejohtajat", "risteilyn
 viihdevastaava", "risteilyn viihdevastaavat", "majoituslaitoksen viihdejohtajat"],
 "pt" : ["Gestor de atividades recreativas", "Gestora de entretenimento",
 "Animador", "Organizadora de diversões", "Gestor de entretenimento", "Organizador
 de diversões", "Gestora de atividades recreativas", "Animadora"],
 "bg" : ["мениджър развлечения", "мениджърка курортни развлечения",
 "мениджъри развлечения", "мениджър курортни развлечения", "мениджърка
 развлечения", "мениджърки развлечения"],
 "mt" : ["manigier għall-attivitajiet ta' divertiment fl-ospitalità", "manigier għad-
 divertiment fl-ospitalità", "manigier tad-divertiment fis-settur tal-ospitalità"],
 "el" : ["διευθυντής ψυχαγωγίας πελατών ξενοδοχείου", "διευθυντής τμήματος
 οργάνωσης ψυχαγωγικών και συναφών δραστηριοτήτων για τους πελάτες",
 "διευθύντρια αναψυχής και άθλησης πελατών", "διευθυντής αναψυχής και άθλησης
 πελατών", "διευθύντρια τμήματος οργάνωσης ψυχαγωγικών δραστηριοτήτων",
 "διευθυντής τμήματος οργάνωσης ψυχαγωγικών δραστηριοτήτων", "διευθύντρια
 ψυχαγωγίας ξενοδοχειακής επιχείρησης", "διευθυντής ψυχαγωγίας ξενοδοχειακής
 επιχείρησης", "διευθύντρια ψυχαγωγίας πελατών ξενοδοχείου", "διευθύντρια τμήματος
 οργάνωσης ψυχαγωγικών και συναφών δραστηριοτήτων για τους πελάτες"],
 "lt" : ["viešbučio pramogų vadovas", "kempingo pramogų vadovas", "svečių
 pramogų vadovė", "kruizo pramogų vadovas"],
 "en" : ["amusement manager", "entertainments manager", "resort
 entertainment manager", "entertainment manager", "holiday camp entertainment
 manager", "holiday entertainment manager", "cruise entertainment manager"],
 "is" : ["skemmtana- og þjónustustjóri", "tómstundafulltrúi"],
 "hr" : ["voditelj zabavnih sadržaja u ugostiteljstvu", "voditeljica ugostiteljskih
 zabavnih sadržaja", "voditeljica zabavnih sadržaja u ugostiteljstvu", "voditelj
 ugostiteljskih zabavnih sadržaja", "upraviteljica zabavnim sadržajem ugostiteljskog
 objekta", "voditeljica zabavnog sadržaja ugostiteljskog objekta", "upravitelj zabavnim
 sadržajem ugostiteljskog objekta", "voditelj zabavnog sadržaja ugostiteljskog
 objekta", "upravitelj ugostiteljskim zabavnim sadržajem", "upraviteljica ugostiteljskim
 zabavnim sadržajem"],
 "lv" : ["izklaides organizēšanas menedžeris", "izklaides organizēšanas vadītāja",
 "izklaides organizēšanas vadītājs", "izklaides organizēšanas menedžere"],
 "it" : ["responsabili dell'intrattenimento nel settore dell'ospitalità", "responsabile
 dell'intrattenimento dei turisti", "responsabile dell'intrattenimento turistico",
 "responsabile dell'intrattenimento nell'ospitalità"],
 "fr" : ["directrice des services d'accueil et de divertissement", "responsable des
 services d'accueil et de divertissement", "directrice des loisirs", "directeur des loisirs",
 "directeur des services d'accueil et de divertissement"],
 "hu" : ["animátorok irányítója", "programszervezésért felelős alkalmazottak
 irányítója", "programszervezésért felelős személyzet menedzsere", "programszervezők
 irányítója"],
 "es" : ["jefe del departamento de animación", "jefa de animación", "jefe de
 animación", "directora de animación turística", "jefa del departamento de animación",
 "director de animación turística", "responsable del departamento de animación"],
 "et" : ["animaator", "majutusasutuse vabaajakorraldaja", "majutusasutuse
 vabaajajuht"],
 "cs" : ["manažerka zábavy v rekreačním zařízení", "manažerka animačních
 činností v rezortu", "manažerka animačního týmu v pohostinském zařízení", "manažer
 animačních činností v rezortu", "manažer zábavy na výletní lodi", "manažerka zábavy

na výletní lodi", "manažer animačního týmu v pohostinském zařízení", "manažer zábavy v rekreačním zařízení"],

"sk" : ["vedúca zábavnej činnosti", "riaditeľ hotelovej zábavy", "riaditeľka hotelovej zábavy", "šéf zábavného programu", "vedúci zábavnej činnosti", "šéfka zábavného programu", "manažér animácie", "manažérka animácie"],

"sl" : ["organizator zabavnih programov", "vodja zabavnih programov v počitniškem naselju", "vodja zabavnih programov na križarjenju", "organizatorka zabavnih programov", "vodja zabavnih programov v počitniškem kampu", "vodja programov za zabavo v gostinstvu in turizmu", "vodja hotelskih zabavnih programov"],

"pl" : ["kierownik ds. imprez rozrywkowych w ośrodku wypoczynkowym", "kierownik ds. imprez rozrywkowych na polu kempingowym", "menadżer ds. imprez rozrywkowych", "menadżer ds. imprez rozrywkowych w ośrodku wypoczynkowym", "menadżer ds. wydarzeń specjalnych", "kierownik ds. imprez rozrywkowych w trakcie rejsu", "menadżer ds. imprez rozrywkowych w trakcie rejsu", "kierownik ds. wydarzeń specjalnych", "menadżer ds. imprez rozrywkowych na polu kempingowym"],

"ro" : ["manager servicii de recreere și agrement în domeniul hotelier", "organizator de evenimente în domeniul hotelier", "organizatoare de evenimente în domeniul hotelier"],

"da" : ["underholdningschef på ressort", "underholdningschef på krydstogt", "ansvarlig for underholdningen på hotel", "chef for underholdningen på hotel", "aktivitetschef på lejrplads", "entertainmentchef"],

"nl" : ["hoofd entertainment", "manager animatieteam", "hoofd animatieteam"]
},

"description" : {
 "en-us" : {
 "literal" : "Hospitality entertainment managers are in charge of managing the team which creates entertainment activities for the guests of a hospitality establishment.",
 "mimetype" : "plain/text"
 },
 "en" : {
 "literal" : "Hospitality entertainment managers are in charge of managing the team which creates entertainment activities for the guests of a hospitality establishment.",
 "mimetype" : "plain/text"
 }
},

"scopeNote" : {
 "en" : {
 "literal" : "Excludes people performing activities focused culture aspects. Includes people performing entertainment and leisure activities for guests.",
 "mimetype" : "plain/text"
 }
},

"status" : "released",
 "_links" : {
 "self" : {
 "href" :
"http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupation/4887c8a5-35d3-44c3-be69-346027e485f0&language=en",
 "uri" : "http://data.europa.eu/esco/occupation/4887c8a5-35d3-44c3-be69-346027e485f0",
 "title" : "hospitality entertainment manager"
 }
 },

```

    "isTopConceptInScheme" : [ {
      "href" :
"http://localhost:8080/resource/taxonomy?uri=http://data.europa.eu/esco/concept-
scheme/member-occupations&language=en",
      "uri" : "http://data.europa.eu/esco/concept-scheme/member-occupations",
      "title" : "ESCO member occupations"
    } ],
    "isInScheme" : [ {
      "href" :
"http://localhost:8080/resource/taxonomy?uri=http://data.europa.eu/esco/concept-
scheme/occupations&language=en",
      "uri" : "http://data.europa.eu/esco/concept-scheme/occupations",
      "title" : "ESCO Occupations"
    } ], {
      "href" :
"http://localhost:8080/resource/taxonomy?uri=http://data.europa.eu/esco/concept-
scheme/member-occupations&language=en",
      "uri" : "http://data.europa.eu/esco/concept-scheme/member-occupations",
      "title" : "ESCO member occupations"
    } ],
    "regulatedProfessionNote" : {
      "href" :
"http://localhost:8080/resource/concept?uri=http://data.europa.eu/esco/regulated-
professions/unregulated&language=en",
      "uri" : "http://data.europa.eu/esco/regulated-professions/unregulated",
      "title" : "To see if and how this occupation is regulated in EU Member States,
EEA countries or Switzerland please consult the Regulated Professions Database of the
Commission. Regulated Professions Database: http://ec.europa.eu/growth/single-
market/services/free-movement-professionals/qualifications-recognition\_en"
    },
    "broaderIscoGroup" : [ {
      "href" :
"http://localhost:8080/resource/concept?uri=http://data.europa.eu/esco/isco/C3339&
language=en",
      "uri" : "http://data.europa.eu/esco/isco/C3339",
      "title" : "Business services agents not elsewhere classified",
      "code" : "3339"
    } ],
    "hasEssentialSkill" : [ {
      "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/350c932d-
f9b3-4adb-a5cc-cd5cff4a1912&language=en",
      "uri" : "http://data.europa.eu/esco/skill/350c932d-f9b3-4adb-a5cc-
cd5cff4a1912",
      "title" : "provide tourism related information"
    } ], {
      "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/7ba2ce03-
ac36-4cf5-9383-e665ed0d86c3&language=en",
      "uri" : "http://data.europa.eu/esco/skill/7ba2ce03-ac36-4cf5-9383-
e665ed0d86c3",
      "title" : "recreation activities"
    } ], {

```



```
"href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/8d5ee6a9-
f93a-481f-940c-b082220b7413&language=en",
  "uri" : "http://data.europa.eu/esco/skill/8d5ee6a9-f93a-481f-940c-
b082220b7413",
  "title" : "evaluate entertainment programme"
}, {
  "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/339ac029-
066a-4985-9f9d-b3d7c8fea0bb&language=en",
  "uri" : "http://data.europa.eu/esco/skill/339ac029-066a-4985-9f9d-
b3d7c8fea0bb",
  "title" : "manage staff"
}, {
  "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/d0f2f8a7-
d935-4a6d-8e54-dcc3e5e2cbeb&language=en",
  "uri" : "http://data.europa.eu/esco/skill/d0f2f8a7-d935-4a6d-8e54-
dcc3e5e2cbeb",
  "title" : "present reports"
}, {
  "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/44e2c4c4-
9fd2-42d4-a133-d81360ded4bc&language=en",
  "uri" : "http://data.europa.eu/esco/skill/44e2c4c4-9fd2-42d4-a133-
d81360ded4bc",
  "title" : "manage health and safety standards"
}, {
  "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/e54ff029-
1ce9-447d-a5b2-eb7283a23e6e&language=en",
  "uri" : "http://data.europa.eu/esco/skill/e54ff029-1ce9-447d-a5b2-
eb7283a23e6e",
  "title" : "train employees"
}, {
  "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/a4b7f1be-
7058-45e4-ac90-66580499187f&language=en",
  "uri" : "http://data.europa.eu/esco/skill/a4b7f1be-7058-45e4-ac90-
66580499187f",
  "title" : "plan events"
}, {
  "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/0ff99f51-
40d9-42f1-a1ec-377b2bb5e15f&language=en",
  "uri" : "http://data.europa.eu/esco/skill/0ff99f51-40d9-42f1-a1ec-
377b2bb5e15f",
  "title" : "comply with food safety and hygiene"
}, {
  "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/7ee9fb56-
91b1-4363-b51f-ea54ae1b5761&language=en",
  "uri" : "http://data.europa.eu/esco/skill/7ee9fb56-91b1-4363-b51f-
ea54ae1b5761",
  "title" : "negotiate price"
```



```

    }, {
      "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/db16dabf-
651e-46f5-9c72-87f93fd09a21&language=en",
      "uri" : "http://data.europa.eu/esco/skill/db16dabf-651e-46f5-9c72-
87f93fd09a21",
      "title" : "plan multi-agenda event"
    }, {
      "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/2111dff8-
f830-46ad-80ce-7885893b3134&language=en",
      "uri" : "http://data.europa.eu/esco/skill/2111dff8-f830-46ad-80ce-
7885893b3134",
      "title" : "coordinate events"
    }, {
      "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/28d715e3-
3e5b-4fb6-8dd2-4be4919c8587&language=en",
      "uri" : "http://data.europa.eu/esco/skill/28d715e3-3e5b-4fb6-8dd2-
4be4919c8587",
      "title" : "handle customer complaints"
    }, {
      "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/13e2378e-
0d10-450d-843a-b3592575826e&language=en",
      "uri" : "http://data.europa.eu/esco/skill/13e2378e-0d10-450d-843a-
b3592575826e",
      "title" : "implement marketing strategies"
    }, {
      "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/b99aa3b8-
0066-46b2-a027-30afae444ad8&language=en",
      "uri" : "http://data.europa.eu/esco/skill/b99aa3b8-0066-46b2-a027-
30afae444ad8",
      "title" : "implement sales strategies"
    }, {
      "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/e985bd67-
6a1b-4096-b706-6c99d7f60116&language=en",
      "uri" : "http://data.europa.eu/esco/skill/e985bd67-6a1b-4096-b706-
6c99d7f60116",
      "title" : "develop entertainment programmes"
    }, {
      "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/03b9b491-
fc9b-4868-914a-bf7cd47b5041&language=en",
      "uri" : "http://data.europa.eu/esco/skill/03b9b491-fc9b-4868-914a-
bf7cd47b5041",
      "title" : "create solutions to problems"
    } ],
    "hasOptionalSkill" : [ {
      "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/7546bf61-
91c0-4715-8024-9ee276563cc4&language=en",

```

```

    "uri" : "http://data.europa.eu/esco/skill/7546bf61-91c0-4715-8024-
9ee276563cc4",
    "title" : "ensure safety in hospitality establishment"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/b216d9a2-
7d4e-4312-8d05-e375f4ab44d8&language=en",
    "uri" : "http://data.europa.eu/esco/skill/b216d9a2-7d4e-4312-8d05-
e375f4ab44d8",
    "title" : "ensure cross-department cooperation"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/496932f1-
0b6b-4f73-9432-d95c7ddcd43b&language=en",
    "uri" : "http://data.europa.eu/esco/skill/496932f1-0b6b-4f73-9432-
d95c7ddcd43b",
    "title" : "recruit employees"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/21c5790c-
0930-4d74-b3b0-84caf5af12ea&language=en",
    "uri" : "http://data.europa.eu/esco/skill/21c5790c-0930-4d74-b3b0-
84caf5af12ea",
    "title" : "manage budgets"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/b6b2e665-
1085-4f4d-9973-e979721815d7&language=en",
    "uri" : "http://data.europa.eu/esco/skill/b6b2e665-1085-4f4d-9973-
e979721815d7",
    "title" : "assist clients with special needs"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/83723a7f-
e905-4d6c-82ba-f40ab873883d&language=en",
    "uri" : "http://data.europa.eu/esco/skill/83723a7f-e905-4d6c-82ba-
f40ab873883d",
    "title" : "demonstrate intercultural competences in hospitality services"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/dc72ad0a-
c5dc-4abd-bc0d-ca43e82162e1&language=en",
    "uri" : "http://data.europa.eu/esco/skill/dc72ad0a-c5dc-4abd-bc0d-
ca43e82162e1",
    "title" : "build business relationships"
  }, {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/4707da90-
9cfc-46ca-8de0-38a0b7bfb137&language=en",
    "uri" : "http://data.europa.eu/esco/skill/4707da90-9cfc-46ca-8de0-
38a0b7bfb137",
    "title" : "think analytically"
  }, {

```

```

    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/4617a4fb-
    87d7-4316-ae1e-7c9f7301c15b&language=en",
    "uri" : "http://data.europa.eu/esco/skill/4617a4fb-87d7-4316-ae1e-
    7c9f7301c15b",
    "title" : "obtain sponsorship"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/26a6e6d2-
    1c9a-4d7e-8c04-5ba16d1f53da&language=en",
    "uri" : "http://data.europa.eu/esco/skill/26a6e6d2-1c9a-4d7e-8c04-
    5ba16d1f53da",
    "title" : "greet guests"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/133db141-
    afc7-4b56-b19b-b358fc817751&language=en",
    "uri" : "http://data.europa.eu/esco/skill/133db141-afc7-4b56-b19b-
    b358fc817751",
    "title" : "supervise entertainment activities for guests"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/660060e4-
    c418-4049-836b-beade5f8a4a8&language=en",
    "uri" : "http://data.europa.eu/esco/skill/660060e4-c418-4049-836b-
    beade5f8a4a8",
    "title" : "create annual marketing budget"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/75dfe1ee-
    5935-42ce-b820-697f827825c3&language=en",
    "uri" : "http://data.europa.eu/esco/skill/75dfe1ee-5935-42ce-b820-
    697f827825c3",
    "title" : "maintain customer service"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/3fa8e226-
    4f06-4efb-8abe-26dbc1f5c085&language=en",
    "uri" : "http://data.europa.eu/esco/skill/3fa8e226-4f06-4efb-8abe-
    26dbc1f5c085",
    "title" : "maintain incident reporting records"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/11245eee-
    fcbd-44c7-aa6a-3db2eb40106c&language=en",
    "uri" : "http://data.europa.eu/esco/skill/11245eee-fcbd-44c7-aa6a-
    3db2eb40106c",
    "title" : "manage inspections of equipment"
  }, {
    "href" :
    "http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/a9e4a63b-
    6b88-44f6-b37f-94309856f5ba&language=en",
    "uri" : "http://data.europa.eu/esco/skill/a9e4a63b-6b88-44f6-b37f-
    94309856f5ba",
    "title" : "schedule shifts"
  }

```

```
    } ]
  },
  "_embedded" : { }
} ]
}
}
```

Full text search (quick mode)

This is an example of a response payload of a full text search request. For an explanation of all properties see method full text search (quick mode).

JSON HAL Object representation of the search result set.

HTTP/1.1 200 OK

Content-Type: application/json; charset=UTF-8

Content-Length: 7649

```
{
  "total" : 2356,
  "offset" : 2,
  "limit" : 2,
  "text" : "manager",
  "language" : "en",
  "type" : [ "occupation", "skill", "concept" ],
  "isInScheme" : null,
  "facet" : [ "type", "isInScheme" ],
  "facets" : {
    "type" : {
      "http://data.europa.eu/esco/model#Occupation" : 764,
      "http://www.w3.org/2004/02/skos/core#Concept" : 155,
      "http://data.europa.eu/esco/model#Skill" : 1437,
      "http://www.w3.org/2004/02/skos/core#ConceptScheme" : 0
    },
    "isInScheme" : {
      "http://data.europa.eu/esco/concept-scheme/member-occupations" : 764,
      "http://data.europa.eu/esco/concept-scheme/skill-ict-groups" : 3,
      "http://data.europa.eu/esco/concept-scheme/regulated-professions" : 0,
      "http://data.europa.eu/esco/concept-scheme/skill-competence-type" : 0,
      "http://data.europa.eu/esco/concept-scheme/skill-reuse-level" : 0,
      "http://data.europa.eu/esco/concept-scheme/label-role" : 0,
      "http://data.europa.eu/esco/concept-scheme/isco" : 155,
      "http://data.europa.eu/esco/concept-scheme/relationship-types" : 0,
      "http://data.europa.eu/esco/concept-scheme/skills" : 1437,
      "http://data.europa.eu/esco/concept-scheme/occupations" : 919,
      "http://data.europa.eu/esco/concept-scheme/member-skills" : 1437,
      "http://data.europa.eu/esco/concept-scheme/skill-transversal-groups" : 18,
      "http://data.europa.eu/esco/concept-scheme/skill-language-groups" : 0
    }
  },
  "_links" : {
    "self" : {
      "href" :
        "http://localhost:8080/search?text=manager&type=occupation&type=skill&type=conc
        ept&facet=type&facet=isInScheme&limit=2&offset=2&full=false&language=en"
```

```

    },
    "prev" : {
      "href" :
"http://localhost:8080/search?text=manager&type=occupation&type=skill&type=concept&facet=type&facet=isInScheme&limit=2&offset=1&full=false&language=en"
    },
    "next" : {
      "href" :
"http://localhost:8080/search?text=manager&type=occupation&type=skill&type=concept&facet=type&facet=isInScheme&limit=2&offset=3&full=false&language=en"
    }
  },
  "_embedded" : {
    "results" : [ {
      "className" : "Occupation",
      "classId" : "http://data.europa.eu/esco/model#Occupation",
      "uri" : "http://data.europa.eu/esco/occupation/6aef7360-8c4a-4e1a-a402-b1e207101dc8",
      "searchHit" : "countryside manager",
      "title" : "camping ground manager",
      "preferredLabel" : {
        "de" : "Campingplatzmanager/Campingplatzmanagerin",
        "no" : "campingplassbestyrer",
        "fi" : "leirintäalueen päällikkö",
        "en-us" : "camping ground manager",
        "pt" : "Gestor de parque de campismo/Gestora de parque de campismo",
        "bg" : "управител на къмпинг/управителка на къмпинг",
        "lt" : "kempingo vadovas",
        "hr" : "upravitelj/upraviteljica kampa",
        "lv" : "kempinga vadītājs / kempinga vadītājs",
        "fr" : "responsable du camping",
        "hu" : "kempingszolgáltatásokat irányító menedzser",
        "sk" : "riaditeľ/riaditeľka kempingu",
        "sl" : "vodja kampa",
        "ga" : "bainisteoir láthair champála",
        "sv" : "campingchef",
        "el" : "διοευθυντής χώρου κατασκήνωσης/διοευθύντρια χώρου κατασκήνωσης",
        "mt" : "manigier tal-erja għall-kampegg",
        "en" : "camping ground manager",
        "is" : "umsjónarmaður tjaldsvæðis",
        "it" : "responsabile dell'area di campeggio",
        "es" : "gerente de camping",
        "et" : "kämpingu juht",
        "cs" : "manažer kempinku/manažerka kempinku",
        "ar" : "مدير أراضي التخييم /مديرة أراضي التخييم",
        "pl" : "zarządca terenu kempingowego",
        "da" : "campingpladsbestyrer",
        "ro" : "director de camping/directoare de camping",
        "nl" : "campingbeheerder"
      },
      "isTopConceptInScheme" : [ "http://data.europa.eu/esco/concept-scheme/member-occupations" ],
      "isInScheme" : [ "http://data.europa.eu/esco/concept-scheme/member-occupations", "http://data.europa.eu/esco/concept-scheme/occupations" ],
      "broaderIscoGroup" : [ "http://data.europa.eu/esco/isco/C1439" ],
    } ]
  }
}

```

```

    "_links" : {
      "self" : {
        "href" :
"http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/6aef7360-8c4a-4e1a-a402-b1e207101dc8&language=en",
        "uri" : "http://data.europa.eu/esco/occupation/6aef7360-8c4a-4e1a-a402-
b1e207101dc8",
        "title" : "camping ground manager"
      }
    }
  }, {
    "className" : "Occupation",
    "classId" : "http://data.europa.eu/esco/model#Occupation",
    "uri" : "http://data.europa.eu/esco/occupation/4887c8a5-35d3-44c3-be69-
346027e485f0",
    "searchHit" : "entertainments manager",
    "title" : "hospitality entertainment manager",
    "preferredLabel" : {
      "de" : "Bewirtungsmanager/Bewirtungsmanagerin",
      "no" : "leder for sykehusunderholdning",
      "fi" : "majoituslaitoksen viihdejohtaja",
      "en-us" : "hospitality entertainment manager",
      "pt" : "Gestor de atividades recreativas/Gestora de atividades recreativas",
      "bg" : "мениджър развлечения/мениджърка развлечения",
      "lt" : "svečių pramogų vadovas",
      "hr" : "upravitelj/upraviteljica ugostiteljskim zabavnim sadržajem",
      "lv" : "izklaides organizēšanas vadītājs / izklaides organizēšanas vadītāja",
      "fr" : "responsable des loisirs",
      "hu" : "programszervezésért felelős menedzser",
      "sk" : "riaditeľ/riaditeľka hotelovej zábavy",
      "sl" : "vodja zabavnih programov v gostinstvu in turizmu",
      "ga" : "bainisteoir siamsaíochta in earnáil an fháilteachais",
      "sv" : "nöjesansvarig",
      "el" : "διευθυντής ψυχαγωγίας πελατών ξενοδοχείου/ διευθύντρια ψυχαγωγίας
πελατών ξενοδοχείου",
      "mt" : "manigier tad-divertiment fl-industrija tal-ospitalità",
      "en" : "hospitality entertainment manager",
      "is" : "skemmtanastjóri",
      "it" : "responsabile dell'intrattenimento nel settore dell'ospitalità",
      "es" : "director de animación turística/directora de animación turística",
      "et" : "majutusasutuse meelelahutusjuht",
      "cs" : "manažer animačního týmu v pohostinském zařízení/manažerka
animačního týmu v pohostinském zařízení",
      "ar" : "مدير ترفيه الضيافة / مديرة ترفيه الضيافة",
      "pl" : "kierownik ds. imprez rozrywkowych",
      "da" : "underholdningschef på hotel",
      "ro" : "manager evenimente în domeniul hotelier",
      "nl" : "entertainmentmanager"
    }
  },
  "isTopConceptInScheme" : [ "http://data.europa.eu/esco/concept-
scheme/member-occupations" ],
  "isInScheme" : [ "http://data.europa.eu/esco/concept-scheme/member-
occupations", "http://data.europa.eu/esco/concept-scheme/occupations" ],
  "broaderIscoGroup" : [ "http://data.europa.eu/esco/isco/C3339" ],
  "_links" : {

```

```

    "self" : {
      "href" :
"http://localhost:8080/resource/occupation?uri=http://data.europa.eu/esco/occupatio
n/4887c8a5-35d3-44c3-be69-346027e485f0&language=en",
      "uri" : "http://data.europa.eu/esco/occupation/4887c8a5-35d3-44c3-be69-
346027e485f0",
      "title" : "hospitality entertainment manager"
    }
  }
} ]
}
}

```

Suggest

This is an example of a response payload of a suggest request. For an explanation of all properties see method suggest. This method is deprecated.

JSON HAL Object representation of the suggest result set.

HTTP/1.1 200 OK

Content-Type: application/json; charset=UTF-8

Content-Length: 527

```

{
  "total" : 1,
  "offset" : 2,
  "limit" : 2,
  "text" : "manag*",
  "language" : "en",
  "type" : [ "http://data.europa.eu/esco/model#Occupation" ],
  "isInScheme" : null,
  "facet" : null,
  "_links" : {
    "self" : {
      "href" :
"http://localhost:8080/suggest?text=manag*&type=occupation&limit=2&offset=2&lan
guage=en"
    },
    "prev" : {
      "href" :
"http://localhost:8080/suggest?text=manag*&type=occupation&limit=2&offset=1&lan
guage=en"
    }
  },
  "_embedded" : {
    "results" : [ ]
  }
}

```

Suggest2

This is an example of a response payload of a [suggest2](#) request. For an explanation of all properties see [method suggest2](#).

JSON HAL Object representation of the suggest2 result set.

HTTP/1.1 200 OK

Content-Type: application/json;charset=UTF-8

Content-Length: 2941

```
{
  "total" : 1,
  "offset" : 0,
  "limit" : 20,
  "text" : "configure ict",
  "language" : "en",
  "type" : [ "http://data.europa.eu/esco/model#Occupation",
    "http://data.europa.eu/esco/model#Skill" ],
  "isInScheme" : null,
  "facet" : null,
  "_links" : {
    "self" : {
      "href" :
        "http://localhost:8080/suggest2?text=configure%20ict&type=occupation&type=skill&limit=20&offset=0&alt=true&language=en"
    }
  },
  "_embedded" : {
    "results" : [ {
      "className" : "Skill",
      "classId" : "http://data.europa.eu/esco/model#Skill",
      "uri" : "http://data.europa.eu/esco/skill/b3c8eada-b0a8-4b61-968b-b354fbfb6874",
      "searchHit" : "configure ICT system",
      "title" : "configure ICT system",
      "preferredLabel" : {
        "de" : "IKT-System konfigurieren",
        "no" : "konfigurere IKT-system",
        "fi" : "konfiguroida ICT-järjestelmä",
        "en-us" : "configure ICT system",
        "pt" : "configurar sistemas informáticos",
        "bg" : "конфигуриране на ИКТ система",
        "lt" : "sukonfigūruoti informacinių ir ryšių technologijų sistemą",
        "hr" : "konfigurirati IKT sustav",
        "lv" : "IKT sistēmas konfigurēšana",
        "fr" : "configurer un système de TIC",
        "hu" : "IKT rendszer konfigurálását végzi",
        "sk" : "konfigurovať systém IKT",
        "sl" : "konfigurirati sistem IKT",
        "ga" : "córas TFC a chumrú",
        "sv" : "konfigurera IT-system",
        "el" : "ρύθμιση του συστήματος ΤΠΕ",
        "mt" : "tikkonfigura s-sistema tal-ICT",
        "en" : "configure ICT system",
        "is" : "stilla UT-kerfi",
        "it" : "configurare sistemi TIC",
        "es" : "configurar sistema TIC",
        "et" : "IKT-süsteemi konfigureerima",
        "cs" : "konfigurovat systém ICT",
        "ar" : "والاتصالات المعلومات تكنولوجيا نظام يكون"
      }
    } ]
  }
}
```



```
"pl" : "konfigurować system ICT",
"da" : "konfigurere IKT-system",
"ro" : "configurarează sistemul TIC",
"nl" : "ICT-systemen configureren"
},
"isInScheme" : [ "http://data.europa.eu/esco/concept-scheme/skills",
"http://data.europa.eu/esco/concept-scheme/member-skills" ],
"hasSkillType" : [ "http://data.europa.eu/esco/skill-type/skill" ],
"hasReuseLevel" : [ "http://data.europa.eu/esco/skill-reuse-level/sector-specific"
],
"broaderSkill" : [ "http://data.europa.eu/esco/skill/1e7ed56a-6d6b-422f-962e-
38543d150755" ],
"_links" : {
  "self" : {
    "href" :
"http://localhost:8080/resource/skill?uri=http://data.europa.eu/esco/skill/b3c8eada-
b0a8-4b61-968b-b354fbfb6874&language=en",
    "uri" : "http://data.europa.eu/esco/skill/b3c8eada-b0a8-4b61-968b-
b354fbfb6874",
    "title" : "configure ICT system"
  }
}
}
}
}
```

Annex C. Licensing

This section comprises information about the licensing of the libraries or software that have been used to develop the ESCO API.

ESCO – Local Application Programming Interface

Copyright (c) European Union 2018. ESCO - Local Application Programming Interface is licensed under the EUPL, Version 1.2 or – as soon they will be approved by the European Commission – subsequent versions of the EUPL (the "Licence"). You may not use this work except in compliance with the Licence. You may obtain a copy of the Licence at <https://joinup.ec.europa.eu/page/eupl-text-11-12>. Unless required by applicable law or agreed to in writing, software distributed under the Licence is distributed on an "AS IS" basis, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the Licence for the specific language governing permissions and limitations under the Licence.

ESCO- Local Application Programming Interface is based on an Apache Tomcat 8.0 bundle. The Apache Tomcat software (Copyright © 1999-2017, The Apache Software Foundation) is developed in an open and participatory environment and released under the Apache License version 2. For further information about Apache Tomcat, please visit <http://tomcat.apache.org/>.

ESCO - Local Application Programming Interface includes software developed at The Apache Software Foundation (<http://www.apache.org/>):

Apache Commons IO (Copyright 2002-2017 The Apache Software Foundation): This product Apache Commons IO is licensed under the Apache License, Version 2.0 (<http://www.apache.org/licenses/LICENSE-2.0>). For further information about Apache Commons IO, please visit <http://commons.apache.org/proper/commons-io/>.

Apache Commons Collections (Copyright 2001-2015 The Apache Software Foundation): Apache Commons Collections is licensed under the Apache License, Version 2.0 (<http://www.apache.org/licenses/LICENSE-2.0>). For further information about Apache Commons Collections, please visit <https://commons.apache.org/proper/commons-collections/>.

Apache Commons CLI (Copyright 2001-2015 The Apache Software Foundation): Apache Commons CLI is licensed under the Apache License, Version 2.0 (<http://www.apache.org/licenses/LICENSE-2.0>). For further information about Apache Commons CLI, please visit <https://commons.apache.org/proper/commons-cli/>.

Apache Commons CSV (Copyright 2005-2014 The Apache Software Foundation): Apache Commons CSV is licensed under the Apache License, Version 2.0 (<http://www.apache.org/licenses/LICENSE-2.0>). For further information about Apache Commons CSV, please visit <https://commons.apache.org/proper/commons-csv/>.

Apache Commons Lang (Copyright 2001-2017 The Apache Software Foundation). Apache Commons Lang is licensed under the Apache License, Version 2.0 (<http://www.apache.org/licenses/LICENSE-2.0>). For further information about Apache Commons Lang, please visit <https://commons.apache.org/proper/commons-lang/>.

Apache Commons Logging (Copyright 2003-2014 The Apache Software Foundation). Apache Commons Logging is licensed under the Apache License, Version 2.0 (<http://www.apache.org/licenses/LICENSE-2.0>). For further information about Apache

Commons Logging, please visit <https://commons.apache.org/proper/commons-logging/>.

Apache HttpComponents Client Fluent-HC (Copyright 1999-2018 The Apache Software Foundation). Apache HttpComponents Client Fluent-HC is licensed under the Apache License, Version 2.0 (<http://www.apache.org/licenses/LICENSE-2.0>) For further information about Apache HttpComponents Client Fluent-HC, please visit <https://hc.apache.org/index.html>.

Apache Jena (Copyright © 2011–2016 The Apache Software Foundation): Apache Jena is licensed under the Apache License, Version 2.0 (<http://www.apache.org/licenses/LICENSE-2.0>). For further information about Apache Jena, please visit <https://jena.apache.org/>.

Apache Jena Fuseki (Copyright © 2011–2017 The Apache Software Foundation): Apache Jena Fuseki is licensed under the Apache License, Version 2.0 (<http://www.apache.org/licenses/LICENSE-2.0>). For further information about Apache Jena Fuseki, please visit <https://jena.apache.org/documentation/fuseki2/>.

Apache Solr (Copyright © 2006–2014 The Apache Software Foundation): Apache Solr is licensed under the Apache License, Version 2.0 (<http://www.apache.org/licenses/LICENSE-2.0>). For further information about Apache Solr, please visit <http://lucene.apache.org/solr/>.

Apache XML Commons XML APIs (Copyright 1999–2009 The Apache Software Foundation.): Apache XML Commons XML APIs is licensed under the Apache License, Version 2.0 (<http://www.apache.org/licenses/LICENSE-2.0>). For further information about Apache XML Commons XML APIs, please visit <https://xerces.apache.org/xml-commons/licenses.html>.

Apache Xerces Java (Copyright 1999–2010 The Apache Software Foundation): Apache Xerces Java is licensed under the Apache License, Version 2.0 (<http://www.apache.org/licenses/LICENSE-2.0>). For further information about Apache Xerces Java, please visit <http://xerces.apache.org/>.

Apache Thrift (Copyright 2006–2010 The Apache Software Foundation): Apache Thrift is licensed under the Apache License, Version 2.0 (<http://www.apache.org/licenses/LICENSE-2.0>). For further information about Apache Thrift, please visit <https://thrift.apache.org/>.

ESCO - Local Application Programming Interface further includes the following software:

Guava: Google Core Libraries for Java. Guava is licensed under the Apache License, Version 2.0 (<http://www.apache.org/licenses/LICENSE-2.0>). For further information about Guava, please visit <https://github.com/google/guava>.

Joda-Time (Copyright ©2002–2017 Joda.org. All Rights Reserved): This product includes software developed by Joda.org (<http://www.joda.org/>). Joda-Time is licensed under the Apache License, Version 2.0 (<http://www.apache.org/licenses/LICENSE-2.0>). For further information about Joda-Time, please visit <http://www.joda.org/joda-time/>.

Logback: the reliable, generic, fast and flexible logging framework (Copyright (C) 1999–2017, QOS.ch. All rights reserved): Logback is licensed under the terms of the GNU Lesser General Public License version 2.1 as published by the Free Software Foundation. For further information about Logback, please visit <https://logback.qos.ch/>.

Spring Framework: Spring Framework is licensed under the Apache License, Version 2.0 (<http://www.apache.org/licenses/LICENSE-2.0>). For further information about Spring Framework, please visit <https://projects.spring.io/spring-boot/>.

Spring Boot: Spring Boot is licensed under the Apache License, Version 2.0 (<http://www.apache.org/licenses/LICENSE-2.0>). For further information about Spring Boot, please visit <https://projects.spring.io/spring-boot/>.

Ostermiller Java Utilities: Ostermiller Java Utilities is licensed under the GNU General Public License as published by the Free Software Foundation. For further information about Ostermiller Java Utilities, please visit <https://ostermiller.org/utis/licenseFAQ.html>

SLF4J: SLF4J is licensed under the MIT license (https://en.wikipedia.org/wiki/MIT_License). For further information about SLF4J, please visit <https://www.slf4j.org/license.html>.

Open RDF Sesame: OpenRDF Sesame is licensed under BSD-style license (https://en.wikipedia.org/wiki/BSD_licenses). For further information about OpenRDF Sesame, please visit <http://rdf4j.org/about/>.

Asciidoctor (Copyright © 2012-2018 Dan Allen, Ryan Waldron and the Asciidoctor Project): asciidoctor is licensed under the MIT License (https://en.wikipedia.org/wiki/MIT_License). For further information about asciidoctor, please visit <http://asciidoctor.org/>.