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| * CareerPortal Web Services Delivery Document for Rosatom |
| CareerPortal Web Service bundle Activation |
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| BG confidential-05.jpg |

# Introduction

This document is giving an overview about TalentLink Web Services to cover potential integration scenarios for users who wish to build a career site based on adverts created within TalentLink. The touch points identified and covered within this activation request are connected with following web services:

* **FoAdvert** web service – for creating career sites. The FoAdvert service is used to retrieve adverts based on supplied search criteria.
* **TalentPortal** web service – for administering candidate home pages. The TalentPortal service is used for the creation and viewing of candidate home pages where a candidate can see details of their current or previous applications.
* **SearchAgent** web service – for creating rules for sending alerts to candidates. The SearchAgent service is used for creating and administering automatic periodical notifications for candidates when a job matching given criteria was posted to the career site.

# API Key

Each call to the API must include an API key passed as a parameter of the URL. The parameter name is “api\_key”.  
  
Your API key for the **CareerPortal** Bundle is: **84nsgp4236afhcmre7q4enfk**

e.g.

To call the TalentPortal web service in its SOAP version, the URL will be:

<https://api3.lumesse-talenthub.com/CareerPortal/SOAP/TalentPortal?api_key=84nsgp4236afhcmre7q4enfk>

To call the method ‘criteria()’ from FoAdvert web service in its REST version, the URL will be:

# <https://api3.lumesse-talenthub.com/CareerPortal/REST/FoAdvert/criteria?lang=UK&api_key=84nsgp4236afhcmre7q4enfk>

# SOAP web services

## Initial WSDL

The initial WSDL address for a SOAP request is in the format: https://api3.lumesse-talenthub.com/CareerPortal/SOAP/[ServiceName]?WSDL. Therefore in this document we are using the following URL’s:

* <https://api3.lumesse-talenthub.com/CareerPortal/SOAP/FoAdvert?WSDL> for FoAdvert webservice
* <https://api3.lumesse-talenthub.com/CareerPortal/SOAP/TalentPortal?WSDL> for TalentPortal webservice
* <https://api3.lumesse-talenthub.com/CareerPortal/SOAP/SearchAgent?WSDL> for SearchAgent webservice

## Login details

1. **FoAdvert** Web Service

Login details to be provided when calling FoAdvert Web Services, using Web Services Security Username Token Profile 1.0 (OASIS Standard) and Password of type wsse:PasswordText:

<wsse:Username>**[Site\_Technical\_ID]:guest**:**FO**</wsse:Username>

<wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">**guest**</wsse:Password>

* For **Rosatom** **Sandbox** slice

<wsse:Username>**PHMFK026203F3VB8MQW8NLO0V:guest:FO**</wsse:Username>

<wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">**guest**</wsse:Password>

**PHMFK026203F3VB8MQW8NLO0V** is used as an example, it is a Technical ID from site “WebService Test” on Rosatom Sandbox slice.

* For **Rosatom** slice

<wsse:Username>**PU3FK026203F3VBQBV768F6VI:guest:FO**</wsse:Username>

<wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">**guest**</wsse:Password>

PU3FK026203F3VBQBV768F6VI is used as an example, it is a Technical ID from site “Rosatom\_External” on Rosatom slice.

1. **TalentPortal** Web Service

Login details to be provided when calling TalentPortal Web Service are in the same format as for FoAdvert, however the anonymous access (using ‘guest’ credentials):

<wsse:Username>**[Site\_Technical\_ID]:guest**:**FO**</wsse:Username>

<wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">**guest**</wsse:Password>

is allowed only for creation and activation of the Talent Portal. Once created, further actions are possible only using the newly created FO user credentials. The new FO user is usually a candidate for whom the TalentPortal has been created:

* For **Rosatom Sandbox** slice

<wsse:Username>**PHMFK026203F3VB8MQW8NLO0V:[FO-new-user-login]:FO**</wsse:Username>

<wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">**[FO-new-user-passwd]**</wsse:Password>

**PHMFK026203F3VB8MQW8NLO0V** is used as an example, it is a Technical ID from site “WebService Test” on Rosatom Sandbox slice.

* For **Rosatom** slice

<wsse:Username>**PU3FK026203F3VBQBV768F6VI:[FO-new-user-login]:FO**</wsse:Username>

<wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">**[FO-new-user-passwd]**</wsse:Password>

**PU3FK026203F3VBQBV768F6VI** is used as an example, it is a Technical ID from site “Rosatom\_External” on Rosatom slice.

1. **SearchAgent** Web Service

Login details to be provided when calling SearchAgent Web Services, using Web Services Security Username Token Profile 1.0 (OASIS Standard) and Password of type wsse:PasswordText:

<wsse:Username>**[Site\_Technical\_ID]:guest**:**FO**</wsse:Username>

<wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">**guest**</wsse:Password>

* For **Rosatom Sandbox** slice

<wsse:Username>**PHMFK026203F3VB8MQW8NLO0V:guest:FO**</wsse:Username>

<wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">**guest**</wsse:Password>

**PHMFK026203F3VB8MQW8NLO0V** is used as an example, it is a Technical ID from site “WebService Test” on **Rosatom Sandbox** slice.

* For **Rosatom** slice

<wsse:Username>**PU3FK026203F3VBQBV768F6VI:guest:FO**</wsse:Username>

<wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">**guest**</wsse:Password>

**PU3FK026203F3VBQBV768F6VI** is used as an example, it is a Technical ID from site “Rosatom\_External” on **Rosatom** slice.

## Sample requests and responses for selected methods

The information below provides description for selected methods including sample requests/responses.

1. **FoAdvert** Web Service

Endpoint used for these calls is:

<https://api3.lumesse-talenthub.com/CareerPortal/SOAP/FoAdvert?api_key=84nsgp4236afhcmre7q4enfk>

* getCriteria
  + **Rosatom Sandbox** slice

** **

* + **Rosatom** slice

* getSimpleAdvertisements
  + **Rosatom Sandbox** slice

** **

* + **Rosatom** slice

Below short description of available FoAdvert methods:

* **getStandardCriteria** – This method takes a single optional parameter of a language code. It returns the following standard criteria: Countries - that have jobs posted, Regions - for previously returned countries, Contract Type, Schedule Type, Site Category List 1, Site Category List 2, Job ad languages - list of languages for which there are posted jobs, Organizations Level 1 that have access to this site. The labels will be returned in the language specified by the language code parameter.
* **getCriteria** – This method is very similar to getStandardCriteria. It takes two parameters of a language code and a comma delimited list of LOV ids. It can be used to retrieve values from Custom LOVs as well as its LOV hierarchy information that match given order. The labels will be returned in the language specified by the language code parameter.
* **getAdvertisements** / **getSimpleAdvertisements** - Returns all advertisements matching the search criteria. getSimpleAdvertisements returns the posting target ID and the job title only whereas getAdvertisements returns full details of each advertisement. If getSimpleAdvertisementsByPage is called, the posting target id can be passed as a parameter to getAdvertisementByID to retrieve the full details of the advertisement.
* **getAdvertisementsByPage** / **getSimpleAdvertisementsByPage** - Returns advertisements matching the search criteria one page at a time (number of items on the page is defined in the code). getSimpleAdvertisementsByPage returns the posting target ID and the job title only whereas getAdvertisementsByPage returns full details of each advertisement. If getSimpleAdvertisementsByPage is called, the posting target id can be passed as a parameter to getAdvertisementByID to retrieve the full details of the advertisement.
* **getAdvertisementsSortingColumns –** Called without any parameters, returns column names which can be used for sorting advertisements.

1. **TalentPortal** Web Service

The webservice calls used to generate the sample data have been produced on **Rosatom** **Sandbox slice**.

Endpoint used for these calls is:

<https://api3.lumesse-talenthub.com/CareerPortal/SOAP/TalentPortal?api_key=84nsgp4236afhcmre7q4enfk>

* createTalentPortal (anonymous credentials)

* activateTalentPortal (anonymous credentials)

* getTalentPortalInfo (credentials of newly created FO user)

Below list of other available TalentPortal methods with short description:

* **deleteTalentPortal** – Deletes talent portal (Candidate Home Page) of currently logged in front office candidate. Following actions are performed:
  + associated BO candidate is marked as archived
  + candidate history entry is added
  + attachments from saved applications are deleted
  + saved applications are deleted
  + FO candidate is deleted along with his FO documents.

If candidate has Timesheets, his CHP will be left intact.

* **listPasswordRules** - Returns list of activated password rules on given account.
* **changePassword** – Changes password, security question and answer of the user with whose credentials this method is called.
* **getStandardSecurityQuestions –** Show available security questions and their translations.
* **deleteSavedApplications –** Deletes saved applications of currently logged in front office candidate (document's information from storage is also deleted).
* **getSecurityQuestion –** Returns Security question for requested Talent Portal translated by provided language parameter.
* **forgotPassword –** Changes the candidate password for activated Talent Portal and authenticated candidate. Checks if new password provided by candidate conforms to password rules specified for current account (if no an exception is thrown). Sends generated password via email when candidate had no security question defined (he did not provide password either). If candidate had no security question but provided her password then email is not sent and provided password is used instead.
* **updateStandardPif** - Updates standard candidate's Personal Information Form (PIF). If currently authenticated FO candidate has associated BO profile then also following actions are performed:
  + update action is recorded in BO candidate history
  + all the answers for mapped questions are propagated into BO
  + Candidate Summary cache for BO candidate is cleared.

1. **SearchAgent** Web Service

The webservice calls used to generate the sample data have been produced on **Rosatom** **Sandbox slice**.

Endpoint used for these calls is:

<https://api3.lumesse-talenthub.com/CareerPortal/SOAP/SearchAgent?api_key=84nsgp4236afhcmre7q4enfk>

* create

This method returns an unique string ‘token‘, identifying newly created search agent. In the request body we must specify to which e-mail address the notification will be sent, and whether this user will receive the search agent creation confirmation or not. If the parameter <sentEmail> is set to ‘true‘, the user will automatically receive notification:



To define which criteria the agent monitors, we can define <searchCriteria> object as described in the section ‘FoAdvert Web Service’.

The newly created search agent is automatically activated on DB level within 24hrs, by daily batch.

* getActiveSearchAgents

After activation, we can list all active search agents which are activated for the given e-mail recipients:

There has been found a problem with search agent activation. New created search agents are not activated on daily batch (they are activated weekly). This will be fixed in TLK v13.1 and search agents will be activated immediately.

* delete

Each search agent has its own expiration date after which is deactivated automatically. If an user wants to deactivate it earlier, he can do it by calling **‘delete’** method.

Below list of other available SearchAgent webservice methods with short description:

* **create** - Creates a new search agent. Guest login using technical site id is needed to determine on which site the agent will be created. Returns unique token identifying newly created search agent. Parameters: ‘sendEmail’ whether or not to send an email confirming successful creation; ‘language’ specifies which site language configuration is to be used.
* **delete** – Marks for deletion Search Agent for given token. This method changes Search Agent status to "Suspended". Actual removal is performed by a batch. Returns: nothing. Parameters: ‘token’ sent to candidate, cannot be null.
* **update –** Allows to update Search Agent. Returns: nothing. Parameters: searchAgentDto - Search Agent settings; token - unique token identifying Search Agent, cannot be null; language - site language configuration to be used.
* **getActiveSearchAgents –** Returns active search agent based on given token. Parameters: **token** - unique identifier for search agent. If call to WS is authenticated with FO user this method returns all Search Agents created for given FO user.

# RESTful web service

## Endpoints

1. **FoAdvert** Web Service

https://api3.lumesse-talenthub.com/CareerPortal/REST/FoAdvert/[method]?api\_key=**84nsgp4236afhcmre7q4enfk**&[parameters]

As an example we will use following methods:

* https://api3.lumesse-talenthub.com/CareerPortal/REST/FoAdvert/criteria?api\_key=**84nsgp4236afhcmre7q4enfk**&lang=[enum\_lang\_code]&lovOrders=[comma\_separated\_list\_of\_LOVs]
  + Corresponds to SOAP method getCriteria
* https://api3.lumesse-talenthub.com/CareerPortal/REST/FoAdvert/simple-advertisement?api\_key=**84nsgp4236afhcmre7q4enfk**&langCode=[enum\_lang\_code]&sortingOrder=[enum: ASCENDING, DESCENDING, NONE]&columnName=[enum from advetisement sorting columns method]&firstResult=[int]&maxResults=[int]
  + Corresponds to SOAP method getSimpleAdvertisements

1. **TalentPortal** Web Service

https://api3.lumesse-talenthub.com/CareerPortal/REST/TalentPortal/[method]?api\_key=**84nsgp4236afhcmre7q4enfk**&[parameters]

As an example among others we will use following methods:

* https://api3.lumesse-talenthub.com/CareerPortal/REST/TalentPortal/create-talent-portal?api\_key=**84nsgp4236afhcmre7q4enfk**&departmentId=[id\_of\_first\_lvl\_department]
  + Corresponds to SOAP method createTalentPortal
* https://api3.lumesse-talenthub.com/CareerPortal/REST/TalentPortal/get-talent-portal-info?api\_key=**84nsgp4236afhcmre7q4enfk**&lang=[enum\_lang\_code]
  + Corresponds to SOAP method getTalentPortalInfo

1. **SearchAgent** Web Service

https://api3.lumesse-talenthub.com/CareerPortal/REST/SearchAgent/[method]?api\_key=**84nsgp4236afhcmre7q4enfk**&[parameters]

As an example we will use following methods:

* https://api3.lumesse-talenthub.com/CareerPortal/REST/SearchAgent/create?language=UK&sendEmail=true&api\_key=**84nsgp4236afhcmre7q4enfk**
  + Corresponds to SOAP method create()
* https://api3.lumesse-talenthub.com/CareerPortal/REST/SearchAgent/get-active-search-agents?api\_key=**84nsgp4236afhcmre7q4enfk**&token=f9e572ec-6d47-4d5e-9f98-207e33abfe59
  + Corresponds to SOAP method getActiveSearchAgents()

## Login details

Login details to be provided as HTTP custom headers when calling web service, using POST method:

* For **Rosatom Sandbox** slice:

username PHMFK026203F3VB8MQW8NLO0V:guest:FO

password guest

* For **Rosatom** slice:

username PU3FK026203F3VBQBV768F6VI:guest:FO

password guest

Please also notice that some methods from TalentPortal webservice requires non-anonymous credentials (see remarks in chapter ‘1.2 – Login Details, TalentPortal Web Service’.

## Sample responses for selected methods

The webservice calls used to generate the sample data have been produced on **Sandbox slice**.

Some of the parameters are being sent as GET, however, there are some that need to be sent as POST:

1. **FoAdvert** Web Service

* **Criteria** (POST)

https://api3.lumesse-talenthub.com/CareerPortal/REST/FoAdvert/criteria?api\_key=84nsgp4236afhcmre7q4enfk

<searchCriteriaSorting>

<categoryListsSorting>LABEL</categoryListsSorting>

<customLovsSorting>ORDER</customLovsSorting>

<standardLovsSorting>LABEL</standardLovsSorting>

</searchCriteriaSorting>

In our example we will just send

<searchCriteriaSorting>

<categoryListsSorting>A</categoryListsSorting>

<customLovsSorting>A</customLovsSorting>

<standardLovsSorting>A</standardLovsSorting>

</searchCriteriaSorting>

* + **Rosatom Sandbox** slice

* **simple-advertisement** (POST)

https://api3.lumesse-talenthub.com/CareerPortal/REST/FoAdvert/simple-advertisement?api\_key=**84nsgp4236afhcmre7q4enfk**

Some of the parameters are being sent as GET, however, there are some that need to be sent as POST:

<searchcriteria>

    <adLanguages>

       <language>?</language>

    </adLanguages>

 <categoryNames>

       <categoryName>

          <categoryIds>

             <categoryId></categoryId>

          </categoryIds>

          <order></order>

       </categoryName>

    </categoryNames>

    <contractTypes>

       <contractType>?</contractType>

    </contractTypes>

    <countries>

     <!--Zero or more repetitions:-->

     <country>?</country>

    </countries>

     <customLovs>

     <!--Zero or more repetitions:-->

       <customLov>?</customLov>

    </customLovs>

    <generalApplication>false</generalApplication>

    <!-- Job number -->

    <jobNumber>?</jobNumber>

    <keywords></keywords>

    <organizationNames>

       <organizationName>

          <departmentIds>

             <departmentId></departmentId>

          </departmentIds>

          <level></level>

       </organizationName>

    </organizationNames>

    <postedSince></postedSince>

  <regions>

     <!--Zero or more repetitions:-->

       <region>?</region>

    </regions>

     <scheduleTypes>

<!--Zero or more repetitions:-->

       <scheduleType>?</scheduleType>

    </scheduleTypes>

</searchcriteria>

In our example we will just send

<searchcriteria>

</searchcriteria>

* + **Rosatom Sandbox** slice

1. **TalentPortal** Web Service

The webservice calls used to generate the sample data have been produced on **Sandbox slice**.

* create-talent-portal (POST)

https://api3.lumesse-talenthub.com/CareerPortal/REST/TalentPortal/create-talent-portal?api\_key=**84nsgp4236afhcmre7q4enfk**

Some of the parameters are being sent as GET, however, there are some that need to be sent as POST, like:

<talentPortalDto>

<answer>?</answer>

<email>?</email>

<employeeCode>?</employeeCode>

<firstName>?</firstName>

<lastName>?</lastName>

<login>?</login>

<password>?</password>

<question>?</question>

<socialSecurityNumber>?</socialSecurityNumber>

</talentPortalDto>

In our example we will just send   
  
<talentportaldto>

<password>T@lentHub123</password>

<question>Colour</question>

<answer>Black</answer>

<firstName>Test</firstName>

<lastName>Talenthub</lastName>

<email>test.talenthub@rest.test</email>

<login>testrest</login>

</talentportaldto>

Sample request / response is as follows:

As an output of this method we get an activationToken, which is a mandatory input parameter for activate-talent-portal method.

* **activate-talent-portal** (GET)

https://api3.lumesse-talenthub.com/CareerPortal/REST/TalentPortal/activate-talent-portal?api\_key=84nsgp4236afhcmre7q4enfk&login=testrest&activationToken=3FDF3890-F0C3-4D37-BBAB-09909B06D180

This method takes all parameters sent as GET. Sample request / response is below:



The body of the response is empty because it returns nothing. To check if the talent portal has been created successfully, we can call get-talent-portal-info method.

* **get-talent-portal-info** (GET) nie zrobione

https://api3.lumesse-talenthub.com/CareerPortal/REST/TalentPortal/get-talent-portal-info?api\_key=**84nsgp4236afhcmre7q4enfk**

This method takes all parameters sent as GET. At this stage, the headers should be changed: to retrieve data from particular talent portal, the correct login credentials of a newly created Front Office user are needed. Sample request / response is below:

1. **SearchAgent** Web Service

* **Create** (POST)

https://api3.lumesse-talenthub.com/CareerPortal/REST/SearchAgent/create?sendEmail=true&api\_key=84nsgp4236afhcmre7q4enfk

In our example we will just send

<searchAgentDto>

<deliveryFrequency>ONCE\_A\_WEEK</deliveryFrequency>

<email>adamska@lumesse.com</email>

<expirationDate>2013-10-10T00:00:00.000+01:00</expirationDate>

<searchCriteria>

<adLanguages>

<language>US</language>

</adLanguages>

</searchCriteria>

</searchAgentDto>

Sample request / response is below:

* get-active-search-agents

Screenshots display request / responses have been taken from WizTools RESTClient application.

# Full technical documentation

Full technical documentation can be found here:

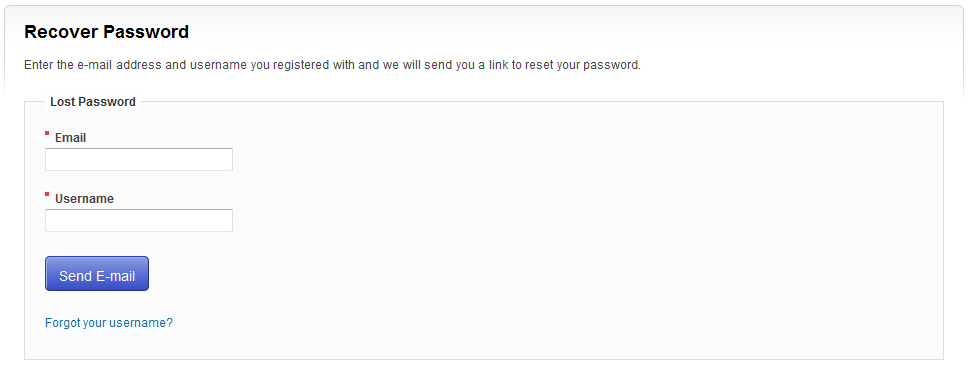
<http://developer.lumesse.com/docs/read/Career_Portal>

# Accessing the Developer Portal

You also have access to the new Lumesse developer portal at <http://developer.lumesse.com> where you will have access to documentation on the TalentHub API, forums and blogs. You will also be able to see details of your API keys and produce reports showing the number of calls you have made.  
Your initial details for your developer portal account are:

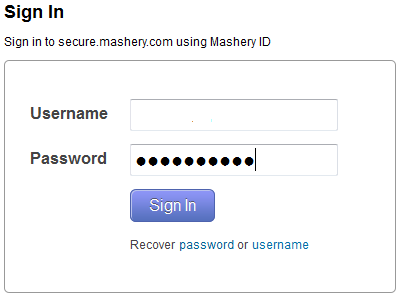
|  |  |
| --- | --- |
| Credential | Value |
| Email | [g.fil@axes.pro](mailto:g.fil@axes.pro) |
| User Name | rosatom |

Please visit following page and use the details provided above in order to obtain a password:  
<https://secure.mashery.com/member/lost/tD7WcjYiN_0$>



If necessary you will be able also able to change the user Email address and/or password in „My account”, per details below:

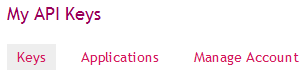
1. Sign In



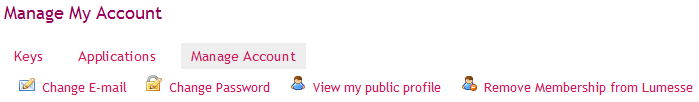
2. You are signed in



3. Go to “My Account”



4. Go to “Manage Account”



5. You are able now to change the E-mail and/or Password

Please, make sure the email is correct and remember your new password. If you forget the password it may be sent to the email address previosly set on account level.  
  
