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Job Search API

getFields

Input: null

Returns: JSON : fields

URL: /api/jobs/fields

getSingleJob

Input: string : VacancyID

Returns: JSON : Vacancy Details

URL: /api/jobs/view/{VACANCYID}

search

Input: string : queryString

Returns JSON : Search Results

URL: /api/jobs/jobs?

Examples

Return all jobs that contain a text string of test

```
/api/jobs/jobs?$text=test
```

As you can fetch the job fields, you can also search on those, in my example I have a field called V_LOC which contains the location of a vacancy

```
/api/jobs/jobs?V_LOC=Edinburgh&$text=Programmer
```

This would return all vacancies that have “Edinburgh” in their V_LOC field that matches the text string “Programmer”

To return all vacancies - don't send any query strings

```
/api/jobs/jobs
```



There is a fully working example of the APIs with source code on the “examples” tab above.

Setup Job Search Widget

Use this widget to embed a search form onto your own website.

First, copy and paste the below code where you would like the search form to be

col-md-* is used as an example for bootstrap websites, your website may use a different grid system or a different column class.

```
<style>
/* if debugging set this to BLOCK */
#debugBlock{
    display:block;
}
#jobTable{
    width:100%!important;
    display:none;
}
#jobsearch, .advanced-field-element{
    padding: 12px;
    margin: 6px 0 4px;
    border: 1px solid #ccc;
    background: #fafafa;
    font-family: sans-serif;
    font-size: 12px;
    line-height: normal;
    box-sizing: border-box;
    border-radius: 2px;
}
.advanced-field-element{
    width:100%!important;
}
#searchButton, .applyButton{
    display: inline-block;
    width: auto;
    height: auto;
    padding: 0.3em 2.5em;
    border-width: 0;
    text-align: center;
    cursor: pointer;
    outline: none;
    -webkit-appearance: none;
    -moz-appearance: none;
```



```
        appearance: none;
    }
    .jobTable {
        font-family: "Trebuchet MS", Arial, Helvetica, sans-serif;
        border-collapse: collapse;
        width: 100%;
    }

    .jobTable td, .jobTable th {
        border: 1px solid #ddd;
        padding: 8px;
    }

    .jobTable tr:nth-child(even){
        background-color: #f2f2f2;
    }

    .jobTable tr:hover {
        background-color: #ddd;
    }

    .jobTable th {
        padding-top: 12px;
        padding-bottom: 12px;
        text-align: left;
        background-color: #6900a2;
        color: white;
    }
    .codeBlock{
        background-color: #eee;
        padding: 10px;
        border-radius: 5px;
        border: 1px solid #ccc;
    }
    .modal {
        display: none;
        position: fixed;
        z-index: 999999999999;
        left: 0;
        top: 0;
        width: 100%;
        height: 100%;
        overflow: auto;
        background-color: rgb(0,0,0);
        background-color: rgba(0,0,0,0.4);
    }

    .modal-content {
```



```
        background-color: #fefefe;
        margin: 2% auto;
        padding: 20px;
        border: 1px solid #888;
        width: 80%;
    }

    .close {
        color: #aaa;
        float: right;
        font-size: 28px;
        font-weight: bold;
    }

    .close:hover,
    .close:focus {
        color: black;
        text-decoration: none;
        cursor: pointer;
    }

    .info, .success, .warning, .error, .validation {
        border: 1px solid;
        margin: 10px 0px;
        padding: 15px 10px 15px 50px;
        background-repeat: no-repeat;
        background-position: 10px center;
    }

    .info {
        color: #00529B;
        background-color: #BDE5F8;
    }

    .success {
        color: #4F8A10;
        background-color: #DFF2BF;
    }

    .warning {
        color: #9F6000;
        background-color: #FEEFB3;
    }

    .error {
        color: #D8000C;
        background-color: #FFBABA;
    }

    .sorting_disabled{
        text-align: center!important;
    }

    .dataTables_wrapper{
        overflow-x:auto;
```



```
}
.dataTables_wrapper .odd, .dataTables_wrapper .even{
    cursor:pointer;
}
#DsimpleSearch, #dadvancedSearch{
    text-align: center;
}
#dadvancedSearch{
    display:none;
}
.modalButtons, #modalButtons{
    float:right;
}
.clearfix{
    clear:both;
}
</style>

<div class="col-md-4">
    <div class="row">
        <div id="DsimpleSearch">
            <h2>Simple Search</h2>
            <form action="#" method="get" id="simpleSearch"
onSubmit="doBasicSearch();return false;">
                <input type="text" id="jobsearch" name="jobsearch"
class="field-element field-control" placeholder="Search for Jobs">
                <button name="searchButton"
onClick="doBasicSearch();return false;" id="searchButton" class="btn btn-
primary">Search</button>
            <div>
                <a href="#" onClick="showAdvancedSearch(); return
false;">Advanced Search</a>
            </div>
        </form>
    </div>

    <div id="dadvancedSearch">
        <h2>Advanced Search</h2>
        <form action="#" method="get" id="advancedSearch"
onSubmit="doAdvancedSearch();return false;" >
            <label for='$text'>Keyword</label>
            <br>
            <input type='text' id='$text' name='$text' class='form-
control' placeholder='Keyword(s) '>
            <br />
            <div id="advancedFields">
                <!-- Fields auto generated here -->
            </div>
```



```
        <br>
        <button name='searchButton'
onClick='doAdvancedSearch();return false;' id='searchButton' class='btn btn-
primary'>Advanced Search</button>
        <div>
            <a href="#" onClick="showSimpleSearch(); return
false;">Simple Search</a>
        </div>
    </form>
</div>
</div>
</div>
</div>

<div class="col-md-8">
    <div id="jobsFeedback"></div>
    <table id="jobTable" class="jobTable table table-responsive">
        <thead>
            <tr>
                <th>Position</th>
                <th>Job Type</th>
                <th>Department</th>
                <th>Start Date</th>
                <th>Action</th>
            </tr>
        </thead>
        <tbody id="jobTableBody">
        </tbody>
    </table>
    <div id="debugBlock">
        <br>
        <h1>Response from Server</h1>
        <pre id="searchResults" class="codeBlock">{ }</pre>
    </div>
</div>

<div id="jobModal" class="modal">
    <div class="modal-content">
        <span class="close" onClick="closeDialog();return
false;">&times;</span>
        <div id="modalMainContent">
            Loading ...
        </div>
        <br><br>
        <div id="modalButtons">
        </div>
        <div class="clearfix">&nbsp;</div>
    </div>
</div>
```



Then copy and paste the following in the footer of your website.

Replace YOURWEBSITE-HERE with the full domain (or subdomain) where IQXWeb is installed, remember to keep the prepending // and ending /

```
<link rel="stylesheet"
href="//cdn.datatables.net/1.10.15/css/jquery.dataTables.min.css">
<script
src="//ajax.googleapis.com/ajax/libs/jquery/1/jquery.min.js"></script>
<script
src="//cdn.datatables.net/1.10.15/js/jquery.dataTables.min.js"></script>
<script>
/*
 * Change this URL to point to the domain/subdomain of where IQXWeb
is hosted.
 */
var searchURL="//YOURWEBSITE-HERE/";

/*
 * Init the data table
 */
var table = $('#jobTable').DataTable({
    "paging": true,
    "ordering": true,
    "info": true,
    "searching": false,
    "fixedHeader": false,
    "order": [[ 3, "desc" ]],
    "columnDefs": [{
        "targets": [4],
        "visible": false
    },
    {
        "targets": [2],
        "visible": false
    }
    ]
});

/* doBasicSearch
 @input: null
 @returns: null
 @desc: This will trigger the basic search, jQuery will fetch the
input
 */
function doBasicSearch() {
    if ($('#jobsearch').val() == "") {
```



```
        getJobsOfTheDay();
    } else {
        var searchTerm = "$text="+$('#jobsearch').val();
        search(searchTerm);
    }
}

/* doAdvancedSearch
@input: null
@returns: null
@desc: This will trigger the advanced search, jQuery will serialize
the advanced search form
*/
function doAdvancedSearch(){
    var q = $( "#advancedSearch :input").filter(function () {
        return !!this.value;
    }).serialize();
    search(q);
}

/* getFields
@input: null
@returns: null
@desc: This will fetch the advanced search form fields and pass
them to generateField()
*/
function getFields() {
    $.getJSON( searchURL+"api/jobs/fields", function( data ) {
        $.each( data.IQXResult.Row, function( index, value ){
            generateField(value)
        });
    });
}

/* getSingleJob
@input: single job vacancyID
@returns: null
@desc: This will fetch a single job and output it to a modal
*/
function getSingleJob(vacID){
    $.getJSON( searchURL+"api/jobs/view/"+vacID, function( data ) {
        delete data.IQXResult.Row[0]._id

        var table="<table
class='jobTable'><tr><th>&nbsp;</th><th>&nbsp;</th></tr>";
        $.each( data.IQXResult.Row[0], function( index, value ){
            if (index.startsWith("Q_") || index.startsWith("XQ_") ||
index.startsWith("vacancyid")) {
```




```
        // Do Nothing
    } else {
table=table+"<tr><td>"+toTitleCase(index)+"</td><td>"+value.replace(/(?:\r\n|\r|\n)/g, '<br />')+ "</td></tr>";
    }
    });
    table=table+"</table>";
    $('#modalMainContent').html( table );
    $('#modalButtons').html("<a
href='"+searchURL+"#/jobsearch/results?viewjob="+vacID+"' id='applyLink'
class='button sqs-system-button sqs-editable-button'>Apply</a>&nbsp;<button
name='closeButton' onClick='closeDialog();return false;' id='closeButton'
class='button sqs-system-button sqs-editable-button'>Close</button>")
    });
}

/* search
@input: query string, noscroll
@returns: null
@desc: This will send a request to the API job search and pass the
results to drawTable(i) you can pass an optional noscroll=true to stop the
page scrolling to the results table.
*/
function search(q, noscroll){
    noscroll = noscroll || false
    $('#jobTable').slideUp();
    $('#jobsFeedback').html("<center><strong>Loading
...</strong></center>");
    $('#jobsFeedback').slideDown();
    $.getJSON( searchURL+"api/jobs/jobs?" +q, function( data ) {
        $('#searchResults').html( JSON.stringify(data, null, "\t")
    );

        if (data.IQXResult.IQXFailure) {
            resetTable();
            $('#jobTable').slideUp();
            $('#jobsFeedback').html("<div class='error'>There was an
error processing your request.<br />Please try the following:<ul><li>If you
are using the simple search, ensure you have typed something into the
box</li><li>If you are using the advanced search, ensure the required fields
are not empty</li></ul></div>");
        } else {
            if (data.IQXResult.Row.length==0) {
                resetTable();
                $('#jobTable').slideUp();
                $('#jobsFeedback').html("<div class='info'>Your
search returned 0 jobs.</div>");
            } else {
                resetTable();
            }
        }
    });
}
```



```
        drawTable(data.IQXResult.Row);
        if (noscroll == false) {
            gotoResults();
        }
        $('#jobsFeedback').slideUp();
        $('#jobTable').slideDown();
    }
}

});
}

/* getJobsOfTheDay
@input: null
@returns: Jobs of the Day
@desc: This will trigger the search API with a request to return
all jobs with tag "Job of the Day"
*/
function getJobsOfTheDay(){
    var q="jobtype=All&department=All&Q_V_JOD=Job%20of%20the%20day"
    return search(q, true)
}

/* resetTable
@input: null
@returns: null
@desc: This will empty the job search table
*/
function resetTable(){
    table.clear().draw();
}

/* drawTable
@input: data
@returns: null
@desc: This will prepare each row for generation
*/
function drawTable(data) {
    for (var i = 0; i < data.length; i++) {
        drawRow(data[i]);
    }
}

/* drawRow
@input: rowData
@returns: null
@desc: This will generate each table row and output the html
*/
function drawRow(rowData) {
```



```
        table.row.add(  
            [ rowData.position, rowData.jobtype, rowData.branch,  
changeDateFormat(rowData.startdate), rowData.vacancyid ] )  
        .draw();  
    }  
  
    /* changeDateFormat  
    @input: date  
    @returns: date  
    @desc: This will take a date in format of yyyy-mm-dd and convert it  
to dd/mm/yyyy  
    */  
    function changeDateFormat(oDate){  
        var dateAr = oDate.split('-');  
        var newDate = dateAr[2] + '/' + dateAr[1] + '/' + dateAr[0];  
        return newDate; // returns dd/mm/yyyy  
    }  
  
    /* generateField  
    @input: fieldData  
    @returns: null  
    @desc: This will generate form fields based on the data type  
    */  
    function generateField(fieldData){  
        if (fieldData.search) {  
            switch(fieldData.type) {  
                case "string":  
                    $('#advancedFields').append("<label  
for='"+fieldData.name+"'>"+fieldData.caption+"</label><br><input type='text'  
id='"+fieldData.name+"' name='"+fieldData.name+"' class='advanced-field-  
element field-control' placeholder='"+fieldData.caption+"'><br />");  
                    break;  
                case "select":  
                    var selectBox="<label  
for='"+fieldData.name+"'>"+fieldData.caption+"</label><br><select  
id='"+fieldData.name+"' name='"+fieldData.name+"' class='advanced-field-  
element field-control' placeholder='"+fieldData.caption+"'>";  
                    selectBox=selectBox+"<option value='"+  
selected>Select Filter</option>";  
                    $.each( fieldData.choices, function( index, value ) {  
                        selectBox=selectBox+"<option  
value='"+value+"'>"+value+"</option>";  
                    });  
                    selectBox=selectBox+"</select><br />";  
                    $('#advancedFields').append(selectBox);  
                    break;  
                case "date":  
                    $('#advancedFields').append("<label
```



```
for='"+fieldData.name+"'>"+fieldData.caption+"</label><br><input type='date'
id='"+fieldData.name+"' name='"+fieldData.name+"' class='advanced-field-
element field-control' placeholder='"+fieldData.caption+"'><br />");
    break;

    case "multiselect":
        var selectBox="<label
for='"+fieldData.name+"'>"+fieldData.caption+"</label><br><select multiple
id='"+fieldData.name+"' name='"+fieldData.name+"' class='advanced-field-
element field-control' placeholder='"+fieldData.caption+"'>";
        $.each( fieldData.choices, function( index, value ){
            selectBox=selectBox+"<option
value='"+value+"'>"+value+"</option>";
        });
        selectBox=selectBox+"</select><br>";
        $('#advancedFields').append(selectBox);
    break;
    default:
        $('#advancedFields').append("<label
for='"+fieldData.name+"'>"+fieldData.caption+"</label><br><input type='text'
id='"+fieldData.name+"' name='"+fieldData.name+"' class='advanced-field-
element field-control' placeholder='"+fieldData.caption+"' /><br />");
    break;
}
}
}

/* gotoResults
@input: null
@returns: null
@desc: This will animate the scroll down to the results table.
*/
function gotoResults(){
    $("html, body").animate({ scrollTop:
$('#jobTable_wrapper').offset().top }, 1000);
}

/* viewJobDetails
@input: vacancyid
@returns: null
@desc: this will open the modal window and pass the job's vacancyid
to getSingleJob()
*/
function viewJobDetails(vacancyid){
    var modal = document.getElementById('jobModal');
    modal.style.display = "block";
    getSingleJob(vacancyid);
}
```



```
/* closeDialog
  @input: null
  @returns: null
  @desc: This will close and empty the modal window
*/
function closeDialog(){
  var modal = document.getElementById('jobModal');
  modal.style.display = "none";
  $('#modalMainContent').html("");
}

/* toTitleCase
  @input: str
  @returns: null
  @desc: This will change the passed str to camel case.
*/
function toTitleCase(str){
  if (str=="startdate") {
    str="Start Date";
  }
  if (str=="jobtype") {
    str="Job Type"
  }
  if (str=="contactname") {
    str="Contact Name"
  }
  if (str=="contactemail") {
    str="Contact Email"
  }
  return str.replace(/\w\S*/g, function(txt){return
txt.charAt(0).toUpperCase() + txt.substr(1).toLowerCase();});
}

/* showSimpleSearch
  @input: null
  @returns: null
  @desc: This will hide the advanced search and show the simple
search.
*/
function showSimpleSearch(){
  $('#dadvancedSearch').slideUp();
  $('#DsimpleSearch').slideDown();
}

/* showAdvancedSearch
  @input: null
  @returns: null
  @desc: This will hide the simple search and show the advanced
```



search

```
*/  
function showAdvancedSearch(){  
    $('#dadvancedSearch').slideDown();  
    $('#DsimpleSearch').slideUp();  
}  
  
/*  
 * This is used when a row in the table has been clicked on.  
 */  
$('.dataTable').on('click', 'tbody tr', function() {  
    var vacID=table.row(this).data();  
    viewJobDetails(vacID[4]);  
})  
  
/*  
 * Init job search.  
 */  
getFields();  
getJobsOfTheDay();  
</script>
```

Example

You need to be logged in to see the demo

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Last update: **2023/06/07 14:32**

