

Coveo Enterprise Search 6.0

Searching and Retrieving Results Using XMLSearch.aspx

CES allows users to obtain XML result through *XmlSearch.aspx*. Simply pass query string (GET) parameters and result sets will be received as an XML page.

Input Parameters

Browse the following address (<http://localhost/ces6/XMLSearch.aspx?BasicQuery=@uri>) on the Coveo server (modify *localhost* with the name of the server where CES is installed). An XML result page is displayed as in the [Appendix - Sample](#) section. For example:

- <http://localhost/ces6/XMLSearch.aspx?BasicQuery=@uri&collectionnames=portal,test>
- <http://localhost/ces6/XMLSearch.aspx?BasicQuery=@uri&collectionnames=portal,test&NumberOfResults=4&SortBy=ModifiedDateDescending&ExcerptLength=200&SummaryLength=60&NeedConcepts=true>

Note: This XML feed does not feature all the controls of the default Search Interface. For example, it does not mention the Refine By right column of the result page.

► Available in SP1

| Name | Type | Description | Possible Values |
|-------------------|------------------------|--|--|
| BasicQuery | string | Basic query expression. | (according to search syntax) |
| AdvancedQuery | string | Advanced query expression. | (according to search syntax) |
| CollectionNames | comma separated string | Names of the collections in which the query should be performed. | Available collections. If collections specified do not exist, they are dismissed. |
| CollectionIds | comma separated string | IDs of the collections in which the query should be performed. | If no collections are specified, then they are all selected. |
| TimeZoneOffset | integer | End user's offset from local time to UTC, in minutes. | [-720...720] |
| PreferredLanguage | string | Optional name of the preferred language for results. | [english,french] |
| UseWildcards | boolean | Set to True to enable wildcards for this query. | [true, false] |
| FilterDuplicates | boolean | Set to True to enable duplicate document filtering. | [true, false] |
| Optimize | boolean | Set to True to enable exact string query optimizations. | [true, false] |
| ExpandQuery | boolean | Set to True to enable query expansion using the thesaurus. | [true, false] |
| FirstResult | integer | 0-based index of the first result to retrieve. | [0...49999] |

| | | | |
|-----------------|------------------------|--|---|
| NumberOfResults | integer | maximum number of results to retrieve. | [1...50000] |
| SortCriteria | string | Sort criteria to use for sorting results. Note: in versions prior to 1413.1808 this parameter was named SortBy. | [Relevancy, ModifiedDateAscending, ModifiedDateDescending, FieldAscending, FieldDescending] |
| SortByField | string | Optional name of the field to use for sorting results. | (according to fields configured as sortable) Used only if SortCriteria is in [FieldAscending, FieldDescending] |
| ExcerptLength | integer | Length of the excerpt to retrieve for each result (in characters). Set this property to a non-zero value to retrieve an excerpt. | [0...] |
| SummaryLength | integer | Length of the summary to retrieve for each result (in words). Set this property to a non-zero value to retrieve a summary. | [0...] |
| NeedConcepts | boolean | Set to True to retrieve the concepts for each result. | [true, false] |
| NeededFields | comma separated string | List of fields whose value should be retrieved. | (any available field, prefixed by @. |

▶ **Available in SP2**

The following parameters are available in addition to those of SP1.

| Name | Type | Description | Possible Values |
|-------------------------|---------|---|-----------------|
| UseCollaborativeRanking | Boolean | Set to True to enable collaborative ranking for this query. | [true, false] |
| NeedHighlights | Boolean | Set to True to retrieve the highlights for the title, excerpt, etc. | [true, false] |
| NeedQueryCorrections | Boolean | Set to True to retrieve the potential query corrections. | [true, false] |
| NeedCachedDocumentUris | Boolean | Set to True to retrieve the URIs that serve cached versions of the results. | [true, false] |

Output Schema

```

<QueryResults xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Executed></Executed>
  <BasicQuery></BasicQuery>
  <AdvancedQuery></AdvancedQuery>
  <ExpandedQuery></ExpandedQuery>
  <TotalCount></TotalCount>
  <Time></Time>
  <Filtered></Filtered>
  <Optimized></Optimized>
  <QueryCorrections>
    <QueryCorrection>
      <CorrectedQuery></CorrectedQuery>
      <WordCorrections>
        <WordCorrection>
          <Position></Position>
          <OriginalWord></OriginalWord>
          <CorrectedWord></CorrectedWord>
        </WordCorrection>
      </WordCorrections>
    </QueryCorrection>
  </QueryCorrections>
  <Results>
    <QueryResult>
      <UniqueId></UniqueId>
      <Title></Title>
      <TitleHighlights>
        <Highlight>
          <Position></Position>
          <Length></Length>
        </Highlight>
      </TitleHighlights>
      <Uri></Uri>
      <PrintableUri></PrintableUri>
      <PrintableUriHighlights>
        <Highlight>
          <Position></Position>
          <Length></Length>
        </Highlight>
      </PrintableUriHighlights>
      <Score></Score>
      <Size></Size>
      <IsAttachment></IsAttachment>
      <ContainsAttachment></ContainsAttachment>
      <ModifiedDate></ModifiedDate>
      <IndexedDate></IndexedDate>
      <Fields>
        <ResultField>
          <Name></Name>
          <Value xsi:type=""> </Value>
        </ResultField>
      </Fields>
    </QueryResult>
  </Results>
</QueryResults>
  
```

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        </ResultField>
    </Fields>
    <IsTopResult></IsTopResult>
    <Rating></Rating>
    <IsUserRating></IsUserRating>
    <LastView></LastView>
    <NumberOfViews></NumberOfViews>
    <Excerpt></Excerpt>
    <ExcerptHighlights>
        <Highlight>
            <Position></Position>
            <Length></Length>
        </Highlight>
    </ExcerptHighlights>
    <Summary></Summary>
    <Concepts>
        <string></string>
    </Concepts>
    <CachedDocumentUri></CachedDocumentUri>
</QueryResult>
</Results>
</QueryResults>
    
```

| Element | Data type | Description |
|------------------|-----------|--|
| QueryResults | N/A | Root element. |
| Executed | boolean | True if enough information to perform a search. |
| BasicQuery | string | Received BasicQuery parameter content. |
| AdvancedQuery | string | Received AdvancedQuery parameter content. |
| ExpandedQuery | string | Thesaurus suggested query. |
| TotalCount | integer | Total number of matching documents. |
| Time | float | Time required to return results, in seconds. |
| Filtered | boolean | True if duplicate results are filtered. Controlled by FilterDuplicates parameter. |
| Optimized | boolean | True if query is optimized. Controlled by Optimize parameter. |
| QueryCorrections | N/A | Collection of QueryCorrection elements. Represents the <i>Did You Mean</i> function. |
| QueryCorrection | N/A | Contains CorrectedQuery and WordCorrections elements. |
| CorrectedQuery | string | Corrected query as if all WordCorrections are applied to BasicQuery. |
| WordCorrections | N/A | Collection of WordCorrection elements. |
| WordCorrection | N/A | Contains Position, OriginalWord and CorrectedWord elements. |
| Position | integer | Position of OriginalWord in BasicQuery. |
| OriginalWord | string | Word that might require a correction. |

| | | |
|------------------------|---------------|---|
| CorrectedWord | string | Suggested OriginalWord replacement. |
| Results | N/A | Collection of QueryResult elements. |
| QueryResult | N/A | Contains Uniqueld, Title, TitleHighlights, Uri, PrintableUri, Score, Size, IsAttachment, ContainsAttachment, ModifiedDate, IndexedDate, Fields, IsTopResult, Rating, IsUserRating, LastView, NumberOfViews, Excerpt and ExcerptHighlights elements. |
| Uniqueld | integer | Internal unique document identifier. |
| Title | string | Title of the document. |
| TitleHighlights | N/A | Collection of Highlight elements. |
| Highlight | N/A | Contains Position and Length elements. |
| Position | integer | Position of expression to highlight in Title. |
| Length | integer | Length of expression to highlight in Title. |
| Uri | string | Address of the document. |
| PrintableUri | string | Address that should be displayed to user. |
| PrintableUriHighlights | N/A | Collection of Highlight elements. |
| Highlight | N/A | Contains Position and Length elements. |
| Position | integer | Position of expression to highlight in PrintableUri. |
| Length | integer | Length of expression to highlight in PrintableUri. |
| Score | integer | Relative to the quality of the document in regards of the query. |
| Size | integer | File size in bytes. |
| IsAttachment | boolean | True if file is contained in another file e.g. zipped. |
| ContainsAttachment | boolean | True if contains other files e.g. a zip. |
| ModifiedDate | datetime | Last time the document was modified. |
| IndexedDate | datetime | Last time the document was refreshed in the index. |
| Fields | N/A | Collection of ResultField elements. |
| ResultField | N/A | Contains Name and Value elements. |
| Name | string | Name of a field. |
| Value | (description) | Value of the field. This element has an attribute xsi:type the denotes the data type of the value. |
| IsTopResult | boolean | True if the document is displayed as a Top Results. |
| Rating | float | Document's rating in number of "stars". |
| IsUserRating | boolean | True if the Rating element denotes that the rating was manually set by the user. |
| LastView | datetime | Time when the document was last opened. |
| NumberOfViews | integer | Number of times a document was opened. |
| Excerpt | string | Most relevant document's excerpt. |
| ExcerptHighlights | N/A | Collection of Highlight elements. |
| Highlight | N/A | Contains Position and Length elements. |

| | | |
|-------------------|---------|--|
| Position | integer | Position of expression to highlight in Excerpt. |
| Length | integer | Length of expression to highlight in Excerpt. |
| Summary | string | Document summary. |
| Concepts | N/A | Collection of string elements. |
| String | string | One of the most important document's words or expressions. |
| CachedDocumentUri | string | Address where user can see the document's Quick View. |

Appendix – Sample

```
<?xml version="1.0" encoding="utf-8" ?>
<QueryResults xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Executed></Executed>
  <BasicQuery></BasicQuery>
  <AdvancedQuery />
  <ExpandedQuery />
  <TotalCount>16</TotalCount>
  <Time>0.203</Time>
  <Filtered>>false</Filtered>
  <Optimized>>false</Optimized>
  <QueryCorrections />
  <Results>
    <QueryResult>
      <UniqueId>47185</UniqueId>
      <Title>How to - Setup the ODBC Custom Crawler</Title>
      <TitleHighlights />
      <Uri>http://www.coveo.com/en/Support/techcorner/How to - Setup ODBC custom
crawler.htm</Uri>
      <PrintableUri>http://www.coveo.com/en/Support/techcorner/How to - Setup ODBC
custom crawler.htm</PrintableUri>
      <PrintableUriHighlights />
      <Score>4052</Score>
      <Size>101971</Size>
      <IsAttachment>>false</IsAttachment>
      <ContainsAttachment>>false</ContainsAttachment>
      <ModifiedDate>2006-11-12T20:40:52.0000000-05:00</ModifiedDate>
      <IndexedDate>2006-11-13T05:00:43.0000000-05:00</IndexedDate>
      <IsTopResult>>false</IsTopResult>
      <Rating>5</Rating>
      <IsUserRating>>true</IsUserRating>
      <LastView>2006-11-29T15:19:42.0000000-05:00</LastView>
      <NumberOfViews>3</NumberOfViews>
      <Excerpt>This file is written in xml and you can find an example of the required
structure in the file northwind.config. ... Figure 1 - Basic xml structure of the
configuration file.</Excerpt>
      <ExcerptHighlights>
        <Highlight>
          <Position>24</Position>
          <Length>3</Length>
        </Highlight>
      </ExcerptHighlights>
    </QueryResult>
  </Results>
</QueryResults>
```

```

    </Highlight>
    <Highlight>
      <Position>133</Position>
      <Length>3</Length>
    </Highlight>
  </ExcerptHighlights>
  <Summary>Until now CES could only index database content through its Web
  crawlers if the database content was published through a Web interface or XML feed.
  The mapping syntax should be used to define the mapping of this field. Database is the
  name of the database to connect to. In CommonMapping, we can specify various settings
  that are common to all or several of the mappings that will be used.</Summary>
  <Concepts>
    <string>configuration file</string>
    <string>databases</string>
    <string>CustomFields</string>
    <string>AllowedUsers</string>
    <string>mapping syntax</string>
    <string>connections string</string>
    <string>custom crawler</string>
    <string>Web interface</string>
    <string>mandatory</string>
    <string>ContentType</string>
    <string>connectionstrings</string>
    <string>ModifiedDate</string>
    <string>mappings</string>
    <string>ItemType</string>
    <string>server</string>
    <string>UID</string>
  </Concepts>
  <CachedDocumentUri>http://intranet/search/Coveo/CustomContent.aspx?k=cchd&z=382e&docid
  =47185</CachedDocumentUri>
  </QueryResult>
</Results>
</QueryResults>

```