

Video Explore Web API Reference

Product Version 1.5.0

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Overview

This document describes how to use the Gracenote Video Explore web API to retrieve and navigate video content from the online Gracenote Media Recognition Service.

Retrieving Audio-Visual Work Metadata

The queries and responses described in this section are used to retrieve metadata for audio-visual works:

- AV_WORK_SEARCH looks up works based on a specified text search string.
- AV_WORK_FETCH retrieves metadata for a work designated by its Gracenote identifier.

AV_WORK_SEARCH

The AV_WORK_SEARCH query looks up and returns metadata for audio-visual works, based on a specified text search string.

Parameters	Description
MODE	Optional. If set to SINGLE_BEST, the query will return at most one response, representing the single best available match to the specified text string. If this element is omitted, multiple matching responses may be returned, ordered by the ORD attribute. The application can then present these to the user for interactive match resolution, followed by an AV_WORK_FETCH query to retrieve metadata for the single selected match.
TEXT	Specifies the text to look up. The only supported TYPE attribute is TITLE. Required for specific text lookups. Can be optional for FILTER searches if doing a general lookup of a filter type.

FILTER

Optional. Enables search filtering based on a TYPE attribute.

Filter Modes

- INCLUDE: Includes the filtered type in the results.
- EXCLUDE: Excludes the filtered type from the results.

Filter Types

These filter names (and ID values) are the same as the VIDEOPROPERTIES values returned by AV_WORK_FETCH (see page 5) with SELECT_EXTENDED=VIDEOPROPERTIES.

- VIDEOAUDIENCE
- VIDEOMOOD
- VIDEOSTORYTYPE
- VIDEOREPUTATION
- VIDEOSCENARIO
- VIDEOSETTINGENVIRONMENT
- VIDEOSETTINGPERIOD
- VIDEOSOURCE
- VIDEOSTYLE
- VIDEOTOPIC



- You can find filter IDs on other AV Works. For example, if you get an AV_WORK containing the VIDEOSETTINGENVIRONMENT property with a value of school, you can pass that ID to an INCLUDE-mode VIDEOSETTINGENVIRONMENT filter to get other school movies.
- When filtering without a TEXT parameter, search performs a general lookup based on the filter TYPE(s). For this query:
 - You must provide at least one INCLUDE-mode filter.
 - You can optionally provide an EXCLUDE-mode filter. For example, you can INCLUDE Action and EXCLUDE Vampire to get non-vampire action movies.

SELECT_EXTENDED Options

Option Name	Valid For	Description
IMAGE	All	Returns AV_WORK's image URL
VIDEODISCSET	SINGLE_BEST mode only	Embeds VIDEODISCSET link into AV_WORK
VIDEODISCSET_COVERART	SINGLE_BEST mode only	Returns cover art URL to VIDEODISCSET
VIDEODISCSET_LINK	SINGLE_BEST mode only	Returns product purchase URL link to VIDEODISCSET
CONTRIBUTOR_IMAGE	SINGLE_BEST mode only	Embeds Contributor image URL link into AV_WORK
LINK	SINGLE_BEST mode only	Returns 3rd party IDs (such as the Trailer ID)

Example Query

The example below shows requests for all of these extended data types. In practice, client applications can conserve bandwidth and improve performance by omitting unneeded ones from the SELECT_EXTENDED option or by omitting the option entirely.

```
<QUERIES>
  <QUERY CMD="AV_WORK_SEARCH">
   <MODE>SINGLE_BEST</MODE>
   <TEXT TYPE="TITLE">The Dark Knight</TEXT>
   <OPTION>
    <PARAMETER>SELECT_EXTENDED</PARAMETER>
    <VALUE>IMAGE, CONTRIBUTOR_IMAGE, VIDEODISCSET, VIDEODISCSET_COVERART, LINK, VIDEODISCSET, LINK</VALUE>
    </OPTION>
   </QUERY>
  </QUERYS>
```

Example Query for Search Filtering

AV_WORK_FETCH

The AV_WORK_FETCH query returns metadata for an audio-visual work designated by its Gracenote identifier. This is useful for navigating to the work from another associated entity (such as a video disc set or a contributor) that has included its Gracenote identifier as part of another query response.

Parameters	Description	
GN_ID	Required.The Gracenote identifier of the work to retrieve.	

SELECT_EXTENDED Options

Option Name	Description
IMAGE	Returns AV_WORK's image URL
VIDEODISCSET	Embeds VIDEODISCSET link into AV_WORK
VIDEODISCSET_COVERART	Returns cover art URL to VIDEODISCSET
VIDEODISCSET_LINK	Returns product purchase URL link to VIDEODISCSET

Enables the return of these video property values. These VIDEOPROPERTIES values are the same as the filter names (and ID values) used for 1.5.0 (see page 3)with a VIDEOPROPERTIES parameter: • VIDEOAUDIENCE • VIDEOMOOD • VIDEOSTORYTYPE • VIDEOREPUTATION • VIDEOSCENARIO • VIDEOSETTINGENVIRONMENT • VIDEOSETTINGPERIOD • VIDEOSOURCE • VIDEOSTYLE • VIDEOTOPIC
Embeds Contributor image URL link into AV_WORK
Returns 3rd party IDs (such as the Trailer ID)

Example query

The example below shows requests for all of these extended data types. In practice, client applications can conserve bandwidth and improve performance by omitting unneeded ones from the SELECT_EXTENDED option or by omitting the option entirely.

Example response

This is an example response for a Video fetch using SELECT_EXTENDED=VIDEOPROPERTIES. VIDEOSTYLE is not shown.

```
<RESPONSES>
<RESPONSE STATUS="OK">
  <AV_WORK>
     <GN_ID>a_gracenote_id</GN_ID>
     <TITLE>Mean Girls</TITLE>
     <DATE TYPE="ORIGINALRELEASE">2004-04-10
     <DURATION UNITS="SEC">5760</DURATION>
        <SYSTEM>MPAA (USA)</SYSTEM>
        <CODE>PG-13</CODE>
        <REASON>Sexual Content, Language</REASON>
     <PRODUCTION_TYPE ID="16635">Motion Picture</PRODUCTION_TYPE>
     <GENRE ID="33756">Comedy</GENRE>
     <GENRE ID="33758">Drama</GENRE>
     <VIDEOAUDIENCE ID="61202">Youth</VIDEOAUDIENCE>
     <VIDEOAUDIENCE ID="61203">Teen
     <VIDEOAUDIENCE ID="61216">Female/VIDEOAUDIENCE>
     <VIDEOMOOD ID="61038">Sassy</VIDEOMOOD>
     <VIDEOMOOD ID="61048">Witty</VIDEOMOOD>
     <VIDEOSTORYTYPE ID="60746">Self-Discovery</VIDEOSTORYTYPE>
     <VIDEOREPUTATION ID="61189">Critical Darling</VIDEOREPUTATION>
     <VIDEOREPUTATION ID="61193">Cult</VIDEOREPUTATION>
     <VIDEOSCENARIO ID="61061">Showdown</VIDEOSCENARIO>
     <VIDEOSCENARIO ID="61085">Fighting the System</VIDEOSCENARIO>
     <VIDEOSETTINGENVIRONMENT ID="60817">School</VIDEOSETTINGENVIRONMENT>
     <VIDEOSETTINGPERIOD ID="23736">2004</VIDEOSETTINGPERIOD>
     <VIDEOSOURCE ID="61856">Original Screenplay</VIDEOSOURCE>
     <VIDEOTOPIC ID="61490">Teen Angst</VIDEOTOPIC>
     <SYNOPSIS>Satirical survival-of-the-fittest teen comedy...</SYNOPSIS>
     <CONTRIBUTOR RANK="1">
        <NAME>Lindsay Lohan</NAME>
        <GN_ID>a_gracenote_id</GN_ID>
        <CONTRIBUTION>
           <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="15942">Actor/CONTRIBUTION_TYPE>
           <CHARACTER>Cady Heron</CHARACTER>
        </CONTRIBUTION>
     </CONTRIBUTOR>
  </AV WORK>
</RESPONSE>
</RESPONSES>
```

Fetching Multiple AV Work Images

Using the multiple images option, client applications can present additional images for an AV Work.

To retrieve multiple images for an AV Work, use either AV_WORK_FETCH or AV_WORK_SEARCH in SINGLE_BEST mode. In the query, include a SELECT_EXTENDED value of IMAGE_GALLERY. This option returns an unordered list of URLs for all available images.



Client applications must be entitled to use the multiple images feature. See your Gracenote Professional Services representative for more information.

Example Query

```
<QUERIES>
        <AUTH>
                <CLIENT>client_id_string</CLIENT>
                <USER>user_id_string</USER>
        </AUTH>
        <LANG>ger</LANG>
        <QUERY CMD="AV_WORK_FETCH">
                <!-- The Dark Knight -->
                <GN_ID>a_gracenote_id</GN_ID>
                <OPTION>
                        <PARAMETER>SELECT_EXTENDED/PARAMETER>
                        <VALUE>IMAGE, CONTRIBUTOR_IMAGE, IMAGE_GALLERY</VALUE>
                </OPTION>
        </QUERY>
</QUERIES>
```

Example Response

```
<RESPONSES>
<RESPONSE STATUS="OK">
  <AV_WORK>
     <GN_ID>a_gracenote_id</GN_ID>
     <TITLE>The Dark Knight</TITLE>
     <DATE TYPE="ORIGINALRELEASE">2008-08-13
     <DURATION UNITS="SEC">9120</DURATION>
     <RATING>
        <SYSTEM>MPAA (USA)</SYSTEM>
        <CODE>PG-13</CODE>
        <REASON>Some Menace, Intense Sequences of Violence</REASON>
     </RATING>
     <RATING>
        <SYSTEM>BBFC (UK)</SYSTEM>
        <CODE>12A</CODE>
        <REASON>Moderate Violence, Sustained Threat/REASON>
     </RATING>
     <PRODUCTION_TYPE ID="16635">Motion Picture/PRODUCTION_TYPE>
     <GENRE ID="33752">Action/Adventure</GENRE>
     <GENRE ID="33761">Mystery & amp; Suspense</GENRE>
     <GENRE ID="33758">Drama</GENRE>
     <SYNOPSIS>a_synopsis</SYNOPSIS>
     <CONTRIBUTOR RANK="1">
        <NAME>Christian Bale</NAME>
        <GN_ID>a_gracenote_id</GN_ID>
        <URL TYPE="IMAGE" SIZE="MEDIUM">a_temporary_url
        <CONTRIBUTION>
           <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
```

```
<CHARACTER>Bruce Wayne</CHARACTER>
        </CONTRIBUTION>
     </CONTRIBUTOR>
     <CONTRIBUTOR RANK="2">
        <NAME>Heath Ledger</NAME>
        <GN_ID>a_gracenote_id</GN_ID>
        <URL TYPE="IMAGE" SIZE="MEDIUM">a_temporary_url
        <CONTRIBUTION>
           <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
           <CHARACTER>The Joker</CHARACTER>
        </CONTRIBUTION>
     </CONTRIBUTOR>
     <CONTRIBUTOR RANK="2">
        <NAME>Michael Caine</NAME>
        <GN ID>a gracenote id</GN ID>
        <URL TYPE="IMAGE" SIZE="MEDIUM">a_temporary_url
        <CONTRIBUTION>
           <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
           <CHARACTER>Alfred Pennyworth</CHARACTER>
        </CONTRIBUTION>
     </CONTRIBUTOR>
     <URL TYPE="IMAGE" SIZE="MEDIUM">a_temporary_url
     <URL TYPE="IMAGE_GALLERY" SIZE="MEDIUM">a_temporary_url
     <URL TYPE="IMAGE_GALLERY" SIZE="MEDIUM">a_temporary_url
     <URL TYPE="IMAGE_GALLERY" SIZE="MEDIUM">a_temporary_url
     <URL TYPE="IMAGE_GALLERY" SIZE="MEDIUM">a_temporary_url
  </AV WORK>
</RESPONSE>
</RESPONSES>
```

General AV Work Response

When an AV_WORK_SEARCH or AV_WORK_FETCH query succeeds in finding a match to the specified search string or Gracenote identifier, it will return a response with the STATUS attribute OK and an <AV_WORK> child element containing metadata for the matched work. If no match satisfying the query is found, the <RESPONSE> element will be empty with a STATUS attribute of NO_MATCH. If the query fails because of an error, the STATUS attribute will be ERROR and a <MESSAGE> element will be included describing the nature of the error.

If an AV_WORK_SEARCH query does not specify SINGLE_BEST mode, a successful response may contain more than one <AV_WORK> element, ordered by an ORD attribute. As noted in , the only extended data type available for an AV_WORK_SEARCH query in this case is IMAGE.

The <AV_WORK> element contains metadata elements describing the work, such as (in the example) its Gracenote identifier, title, release date, duration, rating, production type, genre, and synopsis. This is followed by a separate <CONTRIBUTOR> element for each contributor associated with the work. If the original query requested the SELECT_EXTENDED option VIDEODISCSET, there will be one or more <VIDEODISCSET> elements describing associated disc set products.

If the IMAGE, CONTRIBUTOR_IMAGE, and VIDEODISCSET_COVERART options have been specified, image data will be included (if available) in the form of <URL> elements at the <AV_WORK>, <CONTRIBUTOR>, and <VIDEODISCSET> levels, respectively.

Link data, if requested by the LINK and VIDEODISCSET_LINK options, will be provided in <XID> ("external identifier") elements at the <AV WORK> and <VIDEODISCSET> levels.

Example Response of AV_WORK_SEARCH

```
<RESPONSE STATUS="OK">
 <AV WORK>
   <GN_ID>a_gracenote_id</GN_ID>
   <TITLE>The Dark Knight</TITLE>
   <DATE TYPE="ORIGINALRELEASE">2008</pate>
   <DURATION UNITS="SEC">86820</DURATION>
   <RATING>
     <SYSTEM>MPAA</SYSTEM>
     <CODE>PG-13</CODE>
     <REASON>Intense sequences of violence and some menace</REASON>
   </RATING>
   <PRODUCTION_TYPE ID="16635">Motion Picture/PRODUCTION_TYPE>
   <GENRE RANK="1" ID="33507">Action</GENRE>
   <GENRE RANK="5" ID="33515">Superhero</GENRE>
    <GENRE RANK="3" ID="33598">Drama</GENRE>
   <GENRE RANK="2" ID="33657">Crime</GENRE>
   <GENRE RANK="4" ID="33664">Thriller</GENRE>
   <TITLE>Batman</TITLE>
   <SYNOPSIS>a_synopsis</SYNOPSIS>
   <CONTRIBUTOR RANK="1">
     <NAME>Christian Bale</NAME>
     <GN_ID>a_gracenote_id</GN_ID>
     <URL TYPE="IMAGE" SIZE="MEDIUM">a_temporary_url
     <CONTRIBUTION>
       <CONTRIBUTION TYPE ID="a gracenote id">Actor</CONTRIBUTION TYPE>
       <CHARACTER>Bruce Wayne/Batman</CHARACTER>
     </CONTRIBUTION>
   </CONTRIBUTOR>
   <CONTRIBUTOR RANK="2">
     <NAME>Michael Caine</NAME>
     <GN_ID>a_gracenote_id</GN_ID>
     <URL TYPE="IMAGE" SIZE="MEDIUM">a_temporary_url
     <CONTRIBUTION>
       <CONTRIBUTION_TYPE ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
       <CHARACTER>Alfred Pennyworth</CHARACTER>
     </CONTRIBUTION>
   </CONTRIBUTOR>
    <CONTRIBUTOR RANK="3">
     <NAME>Heath Ledger</NAME>
     <GN ID>a gracenote id</GN ID>
     <URL TYPE="IMAGE" SIZE="MEDIUM">a_temporary_url
     <CONTRIBUTION>
       <CONTRIBUTION_TYPE ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
       <CHARACTER>The Joker</CHARACTER>
     </CONTRIBUTION>
   </CONTRIBUTOR>
```

```
<VIDEODISCSET>
     <GN_ID>a_gracenote_id</GN_ID>
     <URL TYPE="COVERART" SIZE="MEDIUM">a_temporary_url
     <XID DATASOURCE="a_data_source">a_temporary_external_link</XID>
   </VIDEODISCSET>
   <VIDEODISCSET>
     <GN_ID>a_gracenote_id</GN_ID>
     <URL TYPE="COVERART" SIZE="MEDIUM">a_temporary_url/URL>
     <XID DATASOURCE="a_data_source">a_temporary_external_link</XID>
   </VIDEODISCSET>
   <VIDEODISCSET>
     <GN_ID>a_gracenote_id</GN_ID>
     <URL TYPE="COVERART" SIZE="MEDIUM">a_temporary_url</URL>
     <XID DATASOURCE="a_data_source">a_temporary_external_link</XID>
   </VIDEODISCSET>
   <URL TYPE="IMAGE" SIZE="MEDIUM">a_temporary_url
   <XID DATASOURCE="a_data_source">a_temporary_external_link</XID>
 </AV_WORK>
</RESPONSE>
```

Searching and Fetching Series

The queries and responses described in this section are used to retrieve metadata for series:

- SERIES_SEARCH looks up works based on a specified text search string.
- SERIES_FETCH retrieves metadata for a work designated by its Gracenote identifier.

SERIES SEARCH

The SERIES_SEARCH query looks up and returns metadata for series, based on a specified text search string.

Parameters	Description
MODE	Optional. If set to SINGLE_BEST, the query will return at most one response, representing the single best available match to the specified text string. If this element is omitted, multiple matching responses may be returned, ordered by the ORD attribute. The application can then present these to the user for interactive match resolution, followed by a SERIES_FETCH query to retrieve metadata for the single selected match.
TEXT	Required. Specifies the text to look up. As of version 1.0, the only supported TYPE attribute is TITLE.
OPTION	Optional. Options modifying the behavior of the query. For the SERIES_SEARCH query, the only PARAMETER value supported is SELECT_EXTENDED.

SELECT_EXTENDED Options

Option Name	Valid For	Description
IMAGE	All	Returns SERIES image URL
CONTRIBUTOR_IMAGE	SINGLE_BEST mode only	Returns Contributor image URLs

Example Query

The example below shows requests for all of these extended data types. In practice, client applications can conserve bandwidth and improve performance by omitting unneeded ones from the SELECT_EXTENDED option or by omitting the option entirely.

```
<QUERY CMD="SERIES_SEARCH">
  <MODE>SINGLE_BEST</MODE>
  <TEXT TYPE="TITLE">30 Rock</TEXT>
  <OPTION>
   <PARAMETER>SELECT_EXTENDED</PARAMETER>
  <VALUE>IMAGE</VALUE>
  </OPTION>
  </QUERY>
```

Example Response

```
<RESPONSES>
<RESPONSE STATUS="OK">
  <SERIES>
     <GN_ID>a_gracenote_id</GN_ID>
     <TITLE>30 Rock</TITLE>
     <DATE TYPE="ORIGINALRELEASE">2006-10-11
     <PRODUCTION_TYPE ID="16641">TV Series/PRODUCTION_TYPE>
     <GENRE ID="33756">Comedy</GENRE>
     <SYNOPSIS>a_synopsis</SYNOPSIS>
     <CONTRIBUTOR RANK="1">
        <NAME>Tina Fev</NAME>
        <GN_ID>a_gracenote_id</GN_ID>
        <CONTRIBUTION>
           <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
           <CHARACTER>Liz Lemon</CHARACTER>
        </CONTRIBUTION>
     </CONTRIBUTOR>
     <CONTRIBUTOR RANK="2">
        <NAME>Alec Baldwin</NAME>
        <GN_ID>a_gracenote_id</GN_ID>
        <CONTRIBUTION>
           <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
           <CHARACTER>Jack Donaghy</CHARACTER>
        </CONTRIBUTION>
     </CONTRIBUTOR>
     <CONTRIBUTOR RANK="3">
        <NAME>Tracy Morgan</NAME>
        <GN_ID>a_gracenote_id</GN_ID>
        <CONTRIBUTION>
           <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
           <CHARACTER>Tracy Jordan</CHARACTER>
        </CONTRIBUTION>
     </CONTRIBUTOR>
     <CONTRIBUTOR RANK="4">
        <NAME>Jane Krakowski</NAME>
        <GN_ID>a_gracenote_id</GN_ID>
        <CONTRIBUTION>
           <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
```

```
<CHARACTER>Jenna Maroney</CHARACTER>
         </CONTRIBUTION>
      </CONTRIBUTOR>
      <CONTRIBUTOR RANK="5">
         <NAME>Jack McBrayer</NAME>
         <GN_ID>a_gracenote_id</GN_ID>
         <CONTRIBUTION>
            <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
            <CHARACTER>Kenneth Parcell</CHARACTER>
         </CONTRIBUTION>
      </CONTRIBUTOR>
      <CONTRIBUTOR RANK="6">
         <NAME>Scott Adsit</NAME>
         <GN_ID>a_gracenote_id</GN_ID>
         <CONTRIBUTION>
            <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
            <CHARACTER>Pete Hornberger</CHARACTER>
         </CONTRIBUTION>
      </CONTRIBUTOR>
      <CONTRIBUTOR RANK="7">
         <NAME>Judah Friedlander</NAME>
         <GN_ID>a_gracenote_id</GN_ID>
         <CONTRIBUTION>
            <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
            <CHARACTER>Frank Rossitano</CHARACTER>
         </CONTRIBUTION>
      </CONTRIBUTOR>
      <CONTRIBUTOR RANK="8">
         <NAME>Keith Powell</NAME>
         <GN_ID>a_gracenote_id</GN_ID>
         <CONTRIBUTION>
            <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
            <CHARACTER>Toofer</CHARACTER>
         </CONTRIBUTION>
      </CONTRIBUTOR>
      <CONTRIBUTOR RANK="1">
         <NAME>Tina Fey</NAME>
         <GN_ID>a_gracenote_id</GN_ID>
         <CONTRIBUTION>
            <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Executive
Producer</CONTRIBUTION_TYPE>
         </CONTRIBUTION>
      </CONTRIBUTOR>
      <CONTRIBUTOR RANK="2">
         <NAME>Lorne Michaels</NAME>
         <GN_ID>a_gracenote_id</GN_ID>
         <CONTRIBUTION>
            <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Executive
Producer</CONTRIBUTION_TYPE>
         </CONTRIBUTION>
      </CONTRIBUTOR>
      <SEASON>
         <GN_ID>a_gracenote_id</GN_ID>
         <TITLE>Season 1</TITLE>
         <SEASON_NUM>1</SEASON_NUM>
      </SEASON>
      <SEASON>
```

```
<GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 2</TITLE>
        <SEASON_NUM>2</SEASON_NUM>
      </SEASON>
      <SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 3</TITLE>
        <SEASON_NUM>3</SEASON_NUM>
      </SEASON>
      <SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 4</TITLE>
        <SEASON_NUM>4</SEASON_NUM>
      </SEASON>
      <SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 5</TITLE>
        <SEASON_NUM>5</SEASON_NUM>
      <URL TYPE="IMAGE" SIZE="MEDIUM"> a_temporary_url
  </SERIES>
 </RESPONSE>
</RESPONSES>
```

Example Response

```
<RESPONSES>
<RESPONSE STATUS="OK">
  <SERIES>
     <GN_ID>a_gracenote_id</GN_ID>
     <TITLE>30 Rock</TITLE>
     <DATE TYPE="ORIGINALRELEASE">2006-10-11
     <PRODUCTION_TYPE ID="16641">TV Series/PRODUCTION_TYPE>
     <GENRE ID="33756">Comedy</GENRE>
     <SYNOPSIS>a_synopsis</SYNOPSIS>
     <CONTRIBUTOR RANK="1">
        <NAME>Tina Fey</NAME>
        <GN_ID>a_gracenote_id</GN_ID>
        <CONTRIBUTION>
           <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
           <CHARACTER>Liz Lemon</CHARACTER>
        </CONTRIBUTION>
     </CONTRIBUTOR>
     <CONTRIBUTOR RANK="2">
        <NAME>Alec Baldwin</NAME>
        <GN_ID>a_gracenote_id</GN_ID>
        <CONTRIBUTION>
           <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
           <CHARACTER>Jack Donaghy</CHARACTER>
        </CONTRIBUTION>
     </CONTRIBUTOR>
     <CONTRIBUTOR RANK="3">
        <NAME>Tracy Morgan</NAME>
        <GN_ID>a_gracenote_id</GN_ID>
        <CONTRIBUTION>
           <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
```

```
<CHARACTER>Tracy Jordan</CHARACTER>
         </CONTRIBUTION>
      </CONTRIBUTOR>
      <CONTRIBUTOR RANK="4">
         <NAME>Jane Krakowski</NAME>
         <GN_ID>a_gracenote_id</GN_ID>
         <CONTRIBUTION>
            <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
            <CHARACTER>Jenna Maroney</CHARACTER>
         </CONTRIBUTION>
      </CONTRIBUTOR>
      <CONTRIBUTOR RANK="5">
         <NAME>Jack McBrayer</NAME>
         <GN_ID>a_gracenote_id</GN_ID>
         <CONTRIBUTION>
            <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
            <CHARACTER>Kenneth Parcell</CHARACTER>
         </CONTRIBUTION>
      </CONTRIBUTOR>
      <CONTRIBUTOR RANK="6">
         <NAME>Scott Adsit</NAME>
         <GN_ID>a_gracenote_id</GN_ID>
         <CONTRIBUTION>
            <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
            <CHARACTER>Pete Hornberger</CHARACTER>
         </CONTRIBUTION>
      </CONTRIBUTOR>
      <CONTRIBUTOR RANK="7">
         <NAME>Judah Friedlander</NAME>
         <GN_ID>a_gracenote_id</GN_ID>
         <CONTRIBUTION>
            <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
            <CHARACTER>Frank Rossitano</CHARACTER>
         </CONTRIBUTION>
      </CONTRIBUTOR>
      <CONTRIBUTOR RANK="8">
         <NAME>Keith Powell</NAME>
         <GN_ID>a_gracenote_id</GN_ID>
         <CONTRIBUTION>
            <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
            <CHARACTER>Toofer</CHARACTER>
         </CONTRIBUTION>
      </CONTRIBUTOR>
      <CONTRIBUTOR RANK="1">
         <NAME>Tina Fey</NAME>
         <GN_ID>a_gracenote_id</GN_ID>
         <CONTRIBUTION>
            <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Executive
Producer</CONTRIBUTION_TYPE>
         </CONTRIBUTION>
      </CONTRIBUTOR>
      <CONTRIBUTOR RANK="2">
         <NAME>Lorne Michaels</NAME>
         <GN_ID>a_gracenote_id</GN_ID>
         <CONTRIBUTION>
            <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Executive
Producer</CONTRIBUTION_TYPE>
```

```
</CONTRIBUTION>
     </CONTRIBUTOR>
      <SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 1</TITLE>
        <SEASON_NUM>1</SEASON_NUM>
      </SEASON>
      <SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 2</TITLE>
        <SEASON_NUM>2</SEASON_NUM>
     </SEASON>
      <SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 3</TITLE>
        <SEASON_NUM>3</SEASON_NUM>
      </SEASON>
      <SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 4</TITLE>
        <SEASON_NUM>4</SEASON_NUM>
      </SEASON>
      <SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 5</TITLE>
        <SEASON_NUM>5</SEASON_NUM>
     <URL TYPE="IMAGE" SIZE="MEDIUM"> a_temporary_url
  </SERIES>
 </RESPONSE>
</RESPONSES>
```

SERIES_FETCH

The SERIES_FETCH query returns metadata for a series designated by its Gracenote identifier. This is useful for navigating to the series from another associated entity (such as a season or a contributor) that has included its Gracenote identifier as part of another query response.

Parameters	Description
GN_ID	Required. The Gracenote identifier of the series to retrieve.
OPTION	Optional. Options modifying the behavior of the query. For the SERIES_FETCH query, the only PARAMETER value supported is SELECT_EXTENDED; as for the VIDEODISCSET_TOC query, the only extended data type available is IMAGE.

SELECT_EXTENDED Options

Option Name	Description
IMAGE	Returns SERIES image URL
CONTRIBUTOR_IMAGE	Returns contributor image URLs

Example Query

```
<QUERY CMD="SERIES_FETCH">
 <GN_ID>a_gracenote_id</GN_ID>
 <OPTION>
   <PARAMETER>SELECT_EXTENDED</parameter>
   <VALUE>IMAGE, CONTRIBUTOR_IMAGE</VALUE>
 </OPTION>
</OUERY>
```

General Series Response

When a SERIES_SEARCH or SERIES_FETCH query succeeds in finding a match to the specified search string or Gracenote identifier, it will return a response with the STATUS attribute OK and a <SERIES> child element containing metadata for the matched series. If no match satisfying the query is found, the <RESPONSE> element will be empty with a STATUS attribute of NO_MATCH. If the query fails because of an error, the STATUS attribute will be ERROR and a <MESSAGE> element will be included describing the nature of the error.



Mote

If a SERIES_SEARCH query does not specify SINGLE_BEST mode, a successful response may contain more than one <SERIES> element, ordered by an ORD attribute.

The <SERIES> element contains metadata elements describing the series, such as (in the example) its Gracenote identifier, title, and production type. This is followed by a separate <SEASON> element for each season associated with the series. If the original query requested the SELECT_EXTENDED option IMAGE, image data is included (if available) in the form of a <URL> element.

Example Response of a Series Query

```
<RESPONSE STATUS="OK">
 <SERIES>
   <GN_ID>a_gracenote_id</GN_ID>
   <TITLE>30 Rock</TITLE>
   <PRODUCTION_TYPE ID="16641">TV Series/PRODUCTION_TYPE>
   <SEASON>
     <GN_ID>a_gracenote_id</GN_ID>
     <TITLE>1</TITLE>
     <SEASON_NUM>1</SEASON_NUM>
   </SEASON>
    <SEASON>
     <GN_ID>a_gracenote_id</GN_ID>
     <TITLE>2</TITLE>
     <SEASON_NUM>2</SEASON_NUM>
   </SEASON>
   <SEASON>
     <GN_ID>a_gracenote_id</GN_ID>
     <TITLE>3</TITLE>
     <SEASON_NUM>3</SEASON_NUM>
   </SEASON>
   <SEASON>
     <GN_ID>a_gracenote_id</GN_ID>
     <TITLE>4</TITLE>
     <SEASON_NUM>4</SEASON_NUM>
   <URL TYPE="IMAGE" SIZE="MEDIUM">a_temporary_url
</RESPONSE>
```

Retrieving Series Link Data (XIDs)

A client application can retrieve link data (XIDs) for Series using SERIES_FETCH or SERIES_SEARCH in SINGLE_BEST mode, and SELECT_EXTENDED with a value of LINK.

Query	Valid for	SELECT_EXTENDED Option
SERIES_FETCH	All	LINK
SERIES_SEARCH	SINGLE_BEST mode only	LINK

Client applications must be entitled to use access this link data. See your Gracenote Professional Services representative for more information.

Example Query using SERIES_FETCH with SELECT_EXTENDED=LINK

Example Response for SERIES_FETCH with SELECT_EXTENDED=LINK

```
<RESPONSES>
 <RESPONSE STATUS="OK">
  <SERIES>
      <GN_ID>a_gracenote_id</GN_ID>
      <TITLE>The Closer</TITLE>
      <DATE TYPE="ORIGINALRELEASE">2005-06-13
      <PRODUCTION_TYPE ID="16641">TV Series/PRODUCTION_TYPE>
      <GENRE ID="33761">Mystery & amp; Suspense</GENRE>
      <GENRE ID="33758">Drama</GENRE>
      <SYNOPSIS>a_synopsis</SYNOPSIS>
      <CONTRIBUTOR RANK="1">
        <NAME>Kyra Sedgwick</NAME>
        <GN_ID>a_gracenote_id</GN_ID>
        <CONTRIBUTION>
            <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
            <CHARACTER>Deputy Chief Brenda Leigh Johnson</CHARACTER>
         </CONTRIBUTION>
      </CONTRIBUTOR>
      <CONTRIBUTOR RANK="2">
        <NAME>J.K. Simmons</NAME>
        <GN_ID>a_gracenote_id</GN_ID>
         <CONTRIBUTION>
            <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
            <CHARACTER>Assistant Chief Will Pope</CHARACTER>
        </CONTRIBUTION>
      </CONTRIBUTOR>
      <CONTRIBUTOR RANK="3">
        <NAME>Corey Reynolds</NAME>
        <GN_ID>a_gracenote_id</GN_ID>
        <CONTRIBUTION>
            <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
            <CHARACTER>Sgt. David Gabriel</CHARACTER>
        </CONTRIBUTION>
      </CONTRIBUTOR>
      . . .
      <SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
         <TITLE>Season 1</TITLE>
```

```
<SEASON_NUM>1</SEASON_NUM>
     </SEASON>
     <SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 2</TITLE>
        <SEASON_NUM>2</SEASON_NUM>
     </SEASON>
     <SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 3</TITLE>
         <SEASON_NUM>3</SEASON_NUM>
     </SEASON>
     <SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 4</TITLE>
        <SEASON_NUM>4</SEASON_NUM>
     </SEASON>
     <SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 5</TITLE>
        <SEASON_NUM>5</SEASON_NUM>
     </SEASON>
     <SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 6</TITLE>
         <SEASON_NUM>6</SEASON_NUM>
     </SEASON>
     <SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 7</TITLE>
        <SEASON_NUM>7</SEASON_NUM>
     </SEASON>
     <XID DATASOURCE="a_data_source">a_temporary_external_link</XID>
     <URL TYPE="IMAGE" SIZE="MEDIUM"> a_temporary_url
  </SERIES>
</RESPONSE>
</RESPONSES>
```

Fetching Seasons

The query and response described in this section retrieve metadata for Seasons.

SEASON_FETCH retrieves metadata for a season designated by its Gracenote identifier.

SEASON_FETCH

The SEASON_FETCH query returns metadata for a season designated by its Gracenote identifier. This is useful for navigating to the season from another associated entity (such as a series or a contributor) that has included its Gracenote identifier as part of another query response. See for the response format to this query.

Parameters	Description
GN_ID	Required. The Gracenote identifier of the season to retrieve.



Season queries do not support the SELECT_EXTENDED option.

Example Query

Example Response

When a SEASON_FETCH query succeeds in finding a match to the specified Gracenote identifier, it will return a response with the STATUS attribute OK and a <SERIES> child element containing metadata for the matched series.

If no match satisfying the query is found, the <RESPONSE> element will be empty with a STATUS attribute of NO_MATCH. If the query fails because of an error, the STATUS attribute will be ERROR and a <MESSAGE> element will be included describing the nature of the error.

The <SEASON> element contains metadata elements describing the season, such as (in the example) its Gracenote identifier, title, production type, the series to which it belongs, and its season number within the series. This is followed by a separate <AV_WORK> element for each individual episode in the season.

```
<RESPONSE STATUS="OK">
 <SEASON>
   <GN_ID>a_gracenote_id</GN_ID>
   <TITLE>1</TITLE>
   <PRODUCTION_TYPE ID="16641">TV Series/PRODUCTION_TYPE>
   <SERIES>
     <GN_ID>a_gracenote_id</GN_ID>
     <TITLE>30 Rock</TITLE>
   </SERIES>
   <SEASON_NUM>1</SEASON_NUM>
   <AV_WORK>
     <GN_ID>a_gracenote_id</GN_ID>
     <TITLE>Pilot</TITLE>
     <EPISODE_NUM>1/EPISODE_NUM>
   </AV_WORK>
   <AV_WORK>
     <GN_ID>a_gracenote_id</GN_ID>
     <TITLE>30 Rock: Pilot</TITLE>
      <EPISODE_NUM>1</EPISODE_NUM>
   </AV_WORK>
   <AV_WORK>
     <GN_ID>a_gracenote_id</GN_ID>
     <TITLE>The Aftermath</TITLE>
     <EPISODE_NUM>2</EPISODE_NUM>
   </AV_WORK>
   <AV_WORK>
     <GN_ID>a_gracenote_id</GN_ID>
     <TITLE>Blind Date</TITLE>
     <EPISODE_NUM>3</EPISODE_NUM>
   </AV_WORK>
 </SEASON>
</RESPONSE>
```

Retrieving Season Link Data (XIDs)

A client application can retrieve link data (XIDs) for Seasons using SEASON_FETCH and SELECT_EXTENDED with a value of LINK.



Client applications must be entitled to use access this link data. See your Gracenote Professional Services representative for more information.

Example Query using SEASON_FETCH with SELECT_EXTENDED=LINK

Example Response for SEASON_FETCH with SELECT_EXTENDED=LINK

```
<RESPONSES>
 <RESPONSE STATUS="OK">
  <SEASON>
     <GN_ID>a_gracenote_id</GN_ID>
     <TITLE>Season 1</TITLE>
      <PRODUCTION_TYPE ID="16641">Tévésorozat/PRODUCTION_TYPE>
      <GENRE ID="33761">Misztérium és kétség</GENRE>
      <GENRE ID="33758">Dráma</GENRE>
      <SERIES>
         <GN_ID>a_gracenote_id</GN_ID>
         <TITLE>The Closer</TITLE>
      </SERIES>
      <SEASON_NUM>1</SEASON_NUM>
      <AV_WORK>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Pilot</TITLE>
        <EPISODE_NUM>1</EPISODE_NUM>
      </AV_WORK>
      <AV_WORK>
         <GN_ID>a_gracenote_id</GN_ID>
         <TITLE>About Face</TITLE>
         <EPISODE_NUM>2</EPISODE_NUM>
      </AV_WORK>
      <AV WORK>
         <GN_ID>a_gracenote_id</GN_ID>
         <TITLE>The Big Picture</TITLE>
         <EPISODE_NUM>3</EPISODE_NUM>
      </AV_WORK>
      <AV_WORK>
         <GN_ID>a_gracenote_id</GN_ID>
         <TITLE>Show Yourself</TITLE>
         <EPISODE_NUM>4</EPISODE_NUM>
      </AV_WORK>
      <AV_WORK>
         <GN_ID>a_gracenote_id</GN_ID>
         <TITLE>Flashpoint</TITLE>
         <EPISODE_NUM>5</EPISODE_NUM>
      </AV_WORK>
```

```
<AV_WORK>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Fantasy Date</TITLE>
        <EPISODE_NUM>6</EPISODE_NUM>
     </AV_WORK>
     <AV_WORK>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>You Are Here</TITLE>
        <EPISODE_NUM>7</EPISODE_NUM>
     </AV_WORK>
     <AV_WORK>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Batter Up</TITLE>
        <EPISODE_NUM>8</EPISODE_NUM>
     </AV_WORK>
     <AV_WORK>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Good Housekeeping</TITLE>
        <EPISODE_NUM>9</EPISODE_NUM>
     </AV_WORK>
     <AV_WORK>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>The Butler Did It</TITLE>
        <EPISODE_NUM>10NUM>
     </AV_WORK>
     <AV_WORK>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>L.A. Woman</TITLE>
        <EPISODE_NUM>11
     </AV_WORK>
     <AV_WORK>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Fatal Retraction</TITLE>
        <EPISODE_NUM>12
     </AV_WORK>
     <AV_WORK>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Standards & amp; Practices</TITLE>
        <EPISODE_NUM>13
     </AV_WORK>
     <XID DATASOURCE="a_data_source">a_temporary_external_link</XID>
     <XID DATASOURCE="a_data_source">a_temporary_external_link</XID>
     <XID DATASOURCE="a_data_source">a_temporary_external_link</XID>
  </SEASON>
</RESPONSE>
</RESPONSES>
```

Retrieving Contributor Metadata

The queries and responses described in this section are used to retrieve metadata for contributors:

CONTRIBUTOR_SEARCH looks up works based on a specified text search string.

• CONTRIBUTOR_FETCH retrieves metadata for a work designated by its Gracenote identifier.

CONTRIBUTOR_SEARCH

The CONTRIBUTOR_SEARCH query looks up and returns metadata for contributors, based on a specified text search string.

Parameters	Description
MODE	Optional. If set to SINGLE_BEST, the query will return at most one response, representing the single best available match to the specified text string. If this element is omitted, multiple matching responses may be returned, ordered by the ORD attribute. The application can then present these to the user for interactive match resolution, followed by a CONTRIBUTOR_FETCH query to retrieve metadata for the single selected match.
TEXT	Required. Specifies the text to look up. As of version 1.0, the only supported TYPE attribute is NAME.

SELECT_EXTENDED Options

Option Name	Valid For	Description
IMAGE	All	Returns Contributor image URL
FULL_MEDIAGRAPHY	SINGLE_BEST mode only	Instead of the short mediagraphy, it returns the full one (= fetches the CONTRIBUTOR EXTRA)
MEDIAGRAPHY_IMAGES	SINGLE_BEST mode only	Returns image URLs to mediagraphy.

EXPAND_SERIES Options

You can include include SELECT_EXTENDED and EXPAND_SERIES options in the same query.

Option Name	Valid For	Description
EXPAND_SERIES= <gn_id></gn_id>	SINGLE_BEST mode only	Expands and filters on series GN_ID.

If SINGLE_BEST mode is not specified, only IMAGE extended data is available.

If the SELECT_EXTENDED option FULL_MEDIAGRAPHY is not requested, the mediagraphy returned in the response will contain a maximum of five credits (such as works, series, or seasons) associated with this contributor. If FULL_MEDIAGRAPHY is specified, the mediagraphy may potentially contain many more than just a handful of such credits.

Example Query

```
<QUERY CMD="CONTRIBUTOR_SEARCH">
  <MODE>SINGLE_BEST</MODE>
  <TEXT TYPE="NAME">Fey</TEXT>
  <OPTION>
    <PARAMETER>SELECT_EXTENDED</PARAMETER>
    <VALUE>IMAGE, MEDIAGRAPHY_IMAGES</VALUE>
    </OPTION>
  </QUERY>
```

CONTRIBUTOR_FETCH

The CONTRIBUTOR_FETCH query returns metadata for a contributor designated by a Gracenote identifier. This is useful for navigating to the contributor from another associated entity (such as an audio-visual work or a series) that has included the contributor's Gracenote identifier as part of another query response.

Parameters	Description
GN_ID	Required. The Gracenote identifier of the contributor to retrieve.
OPTION	Optional. Options modifying the behavior of the query. For the SERIES_FETCH query, the only PARAMETER value supported is SELECT_EXTENDED; as for the VIDEODISCSET_TOC query, the only extended data type available is IMAGE.

For the CONTRIBUTOR_FETCH query, the <OPTION> element supports the following possible PARAMETER values:

Parameters	Description
SELECT_EXTENDED	Requests additional items of metadata that would otherwise not be included in the response. The available extended data types for the CONTRIBUTOR_FETCH query are the same as for CONTRIBUTOR_SEARCH in SINGLE_BEST mode, as described in .
EXPAND_SERIES	Focuses mediagraphy data on credits associated with a specific series. The series of interest is designated by its Gracenote identifier in the option's <value> element.</value>

SELECT_EXTENDED Options

Option Name	Description
IMAGE	Returns Contributor image URL
FULL_MEDIAGRAPHY	Instead of the short mediagraphy, it returns the full one (= fetches the CONTRIBUTOR EXTRA)
MEDIAGRAPHY_IMAGES	Returns image URLs to mediagraphy.

EXPAND_SERIES Options

You can include include SELECT_EXTENDED and EXPAND_SERIES options in the same query.

Option Name	Valid For	Description
EXPAND_SERIES= <gn_id></gn_id>	All	Expands and filters on series GN_ID.

Example Query

```
<QUERY CMD="CONTRIBUTOR_FETCH">
 <GN_ID>a_gracenote_id</GN_ID>
 <OPTION>
   <PARAMETER>SELECT_EXTENDED</parameter>
   <VALUE>IMAGE, MEDIAGRAPHY_IMAGES</VALUE>
 </OPTION>
</OUERY>
```

Mote

The example above shows requests for the extended data types IMAGE and MEDIAGRAPHY_IMAGES. In practice, client applications can conserve bandwidth and improve performance by omitting unneeded data types from the SELECT_EXTENDED option or by omitting the option entirely.

Example Query of CONTRIBUTOR_FETCH with EXPAND_SERIES option

```
<QUERY CMD="CONTRIBUTOR_FETCH">
 <GN_ID>a_gracenote_id</GN_ID>
 <OPTION>
   <PARAMETER>EXPAND_SERIES</PARAMETER>
   <VALUE>a_gracenote_id</VALUE>
  </OPTION>
</OUERY>
```

General Contributor Response

When a CONTRIBUTOR_SEARCH or CONTRIBUTOR_FETCH query succeeds in finding a match to the specified search string or Gracenote identifier, it will return a response with the STATUS attribute OK and a <CONTRIBUTOR> child element containing metadata for the matched contributor.

If no match satisfying the query is found, the <RESPONSE> element will be empty with a STATUS attribute of NO_MATCH. If the query fails because of an error, the STATUS attribute will be ERROR and a <MESSAGE> element will be included describing the nature of the error.



Mote

If a CONTRIBUTOR_SEARCH query does not specify SINGLE_BEST mode, a successful response may contain more than one <CONTRIBUTOR> element, ordered by an ORD attribute. As noted in , the only extended data type available for a CONTRIBUTOR_SEARCH query in this case is IMAGE.

At the top level, the <CONTRIBUTOR> element contains metadata elements describing the contributor, such as (in the example) her Gracenote identifier, name, date of birth, and biography. This is followed by a <MEDIAGRAPHY> element containing child elements for works, series, or seasons to which she has contributed.

If the original query requested the SELECT_EXTENDED options IMAGE and MEDIAGRAPHY_IMAGES, image data will be included (if available) in the form of <URL> elements at the <CONTRIBUTOR> and the <AV_WORK>, <SERIES>, or <SEASON> levels, respectively.



Mote

Additional types of mediagraphy element, other than <AV_WORK>, <SERIES>, and <SEASON>, may be added in future releases. Client applications must be tolerant of such new element types: they should simply ignore any unrecognized mediagraphy element and proceed to the next higher-ranked element of a type they do recognize.

The <MEDIAGRAPHY> element in the example has the TYPE attribute SHORT, indicating that it is an abbreviated mediagraphy containing a maximum of five mediagraphy credits (works, series, or seasons) associated with this contributor. This is the form that is returned by default.

The query can override the default by requesting the SELECT_EXTENDED option FULL_MEDIAGRAPHY, in which case the <MEDIAGRAPHY> element will have the TYPE attribute FULL and will include all available credits for the contributor.



A Important

There may potentially be a great many of them, so use this option cautiously.

In the case of the CONTRIBUTOR_FETCH query, another possibility is the EXPAND_SERIES option, as shown earlier. This specifies that the mediagraphy items be limited to those associated with a particular series, designated by its Gracenote identifier.

The <VALUE> element in the example contains the same Gracenote identifier shown for the example for series 30 Rock.) Without this option, any series with which a contributor is associated will simply be represented in the mediagraphy by a single <SERIES> element whose <CONTRIBUTION> child element in turn contains an <EPISODE_CNT> element giving the number of episodes in which the contributor participated.

The EXPAND_SERIES option suppresses all mediagraphy data not pertaining to the designated series, while expanding the data for that series to include separate elements for each season and episode.

Example Response of a Contributor Query without EXPAND_SERIES option

```
<RESPONSE STATUS="OK">
 <CONTRIBUTOR>
   <GN ID>a gracenote id</GN ID>
   <NAME>Tina Fey</NAME>
   <DATE TYPE="BIRTH">1970-05-18
   <BIOGRAPHY>Perhaps the most popular ...</BIOGRAPHY>
   <CONTRIBUTOR_TYPE RANK="1">Actor</CONTRIBUTOR_TYPE>
   <CONTRIBUTOR_TYPE RANK="2">Executive Producer</CONTRIBUTOR_TYPE>
   <CONTRIBUTOR_TYPE RANK="3">Author</CONTRIBUTOR_TYPE>
   <CONTRIBUTOR_TYPE RANK="4">Screenwriter</CONTRIBUTOR_TYPE>
   <CONTRIBUTOR_TYPE RANK="5">Producer</CONTRIBUTOR_TYPE>
   <CONTRIBUTOR_TYPE RANK="6">Voice-Of</CONTRIBUTOR_TYPE>
    <MEDIAGRAPHY TYPE="SHORT">
      <AV_WORK RANK="1">
       <TITLE>Megamind 3D</TITLE>
       <GN_ID>a_gracenote_id</GN_ID>
       <CONTRIBUTION>
         <CONTRIBUTION_TYPE ID="a_gracenote_id">Voice-Of</CONTRIBUTION_TYPE>
       </CONTRIBUTION>
      </AV WORK>
```

```
<SERIES RANK="2">
       <GN_ID>a_gracenote_id</GN_ID>
       <TITLE>30 Rock</TITLE>
       <CONTRIBUTION>
         <CONTRIBUTION_TYPE ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
         <CHARACTER>Liz Lemon</CHARACTER>
         <EPISODE_CNT>23</EPISODE_CNT>
       </CONTRIBUTION>
     </SERIES>
     <AV_WORK RANK="3">
       <TITLE>Date Night</TITLE>
       <GN_ID>a_gracenote_id</GN_ID>
       <CONTRIBUTION>
         <CONTRIBUTION_TYPE ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
         <CHARACTER>Claire Foster</CHARACTER>
       </CONTRIBUTION>
     </AV_WORK>
     <AV_WORK RANK="4">
       <TITLE>Ponyo</TITLE>
       <GN_ID>a_gracenote_id</GN_ID>
       <CONTRIBUTION>
         <CONTRIBUTION_TYPE ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
         <CHARACTER>Lisa</CHARACTER>
       </CONTRIBUTION>
       <URL TYPE="IMAGE" SIZE="MEDIUM">a_temporary_url
   </AV_WORK>
     <AV_WORK RANK="5">
       <TITLE>Saturday Night Live: The Best Of Amy Poehler</TITLE>
       <GN_ID>a_gracenote_id</GN_ID>
       <CONTRIBUTION>
         <CONTRIBUTION_TYPE ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
         <CHARACTER>Herself</CHARACTER>
       </CONTRIBUTION>
       <URL TYPE="IMAGE" SIZE="MEDIUM">a_temporary_url
   </AV_WORK>
 </MEDIAGRAPHY>
   <URL TYPE="IMAGE" SIZE="MEDIUM">a_temporary_url
</CONTRIBUTOR>
</RESPONSE>
```

Example Response of a Contributor Query with EXPAND_SERIES option

```
<RESPONSE STATUS="OK">
 <CONTRIBITOR>
   <GN_ID>a_gracenote_id</GN_ID>
   <NAME>Tina Fey</NAME>
   <DATE TYPE="BIRTH">1970-05-18</pare>
   <BIOGRAPHY>Perhaps the most popular \dots</BIOGRAPHY>
   <CONTRIBUTOR_TYPE RANK="1">Actor</CONTRIBUTOR_TYPE>
   <CONTRIBUTOR_TYPE RANK="2">Executive Producer</CONTRIBUTOR_TYPE>
   <CONTRIBUTOR_TYPE RANK="3">Author</CONTRIBUTOR_TYPE>
    <CONTRIBUTOR_TYPE RANK="4">Screenwriter</CONTRIBUTOR_TYPE>
    <CONTRIBUTOR_TYPE RANK="5">Producer</CONTRIBUTOR_TYPE>
   <CONTRIBUTOR_TYPE RANK="6">Voice-Of</CONTRIBUTOR_TYPE>
    <MEDIAGRAPHY TYPE="EXPAND_SERIES">
     <SERIES RANK="1">
       <GN_ID>a_gracenote_id</GN_ID>
       <TITLE>30 Rock</TITLE>
       <CONTRIBUTION>
         <CONTRIBUTION_TYPE ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
          <CHARACTER>Liz Lemon</CHARACTER>
          <EPISODE_CNT>23</EPISODE_CNT>
       </CONTRIBUTION>
      </SERIES>
      <SEASON RANK="2">
       <GN ID>a gracenote id</GN ID>
       <TITLE>1</TITLE>
        <PRODUCTION_TYPE ID="16641">TV Series/PRODUCTION_TYPE>
       <SEASON_NUM>1</SEASON_NUM>
      </SEASON>
      <AV_WORK RANK="3">
       <TITLE>Pilot</TITLE>
       <GN_ID>a_gracenote_id</GN_ID>
       <SEASON>
         <GN_ID>a_gracenote_id</GN_ID>
         <TITLE>1</TITLE>
          <SEASON_NUM>1</SEASON_NUM>
       </SEASON>
       <EPISODE_NUM>1
       <CONTRIBUTION>
         <CONTRIBUTION_TYPE ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
         <CHARACTER>Liz Lemon</CHARACTER>
         <EPISODE_CNT>23</EPISODE_CNT>
       </CONTRIBUTION>
      </AV_WORK>
   </MEDIAGRAPHY>
  </CONTRIBUTOR>
```

Retrieving Contributor Link Data (XIDs)

A client application can retrieve commerce link data (XIDs) for Contributors. Use the following queries and SELECT_EXTENDED options to retrieve this data:

Query	Valid for	SELECT_EXTENDED Option
~~~,		

CONTRIBUTOR_FETCH	All	LINK
CONTRIBUTOR_SEARCH	SINGLE_BEST mode only	LINK
AV_WORK_FETCH	All	CONTRIBUTOR_LINK
AV_WORK_SEARCH	SINGLE_BEST mode only	CONTRIBUTOR_LINK
SERIES_FETCH	All	CONTRIBUTOR_LINK
SERIES_SEARCH	SINGLE_BEST mode only	CONTRIBUTOR_LINK
TVPROGRAM_FETCH	All	CONTRIBUTOR_LINK



### Note

Client applications must be entitled to use access Contributor link data. See your Gracenote Professional Services representative for more information.

### **Example Query** using CONTRIBUTOR_FETCH and SELECT_EXTENDED=LINK

```
<QUERIES>
 <AUTH>
   <CLIENT>client_id_string</CLIENT>
   <USER>user_id_string</USER>
 <QUERY CMD="CONTRIBUTOR_FETCH">
   <!-- Ashton Kutcher -->
   <GN_ID>a_gracenote_id</GN_ID>
     <PARAMETER>SELECT_EXTENDED</parameter>
     <VALUE>LINK</VALUE>
   </OPTION>
 </QUERY>
</QUERIES>
```

### Example Response for CONTRIBUTOR_FETCH and SELECT_EXTENDED=LINK

```
<RESPONSES>
  <RESPONSE STATUS="OK">
   <CONTRIBUTOR>
     <GN_ID>a_gracenote_id</GN_ID>
     <NAME>Ashton Kutcher</NAME>
     <DATE TYPE="BIRTH">1978-02-07</pate>
     <PLACE TYPE="BIRTH">Cedar Rapids, Iowa, USA</PLACE>
      <BIOGRAPHY>Ashton Kutcher was ....</BIOGRAPHY>
     <CONTRIBUTOR_TYPE RANK="999" ID="15960">Executive Producer</CONTRIBUTOR_TYPE>
      <CONTRIBUTOR_TYPE RANK="999" ID="15942">Actor</CONTRIBUTOR_TYPE>
      <MEDIAGRAPHY TYPE="SHORT">
       <AV_WORK RANK="1">
         <GN_ID>a_gracenote_id</GN_ID>
         <TITLE>New Year&apos;s Eve</TITLE>
         <DATE TYPE="ORIGINALRELEASE">2011
          <CONTRIBUTION>
            <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
          </CONTRIBUTION>
       </AV_WORK>
      </MEDIAGRAPHY>
      <XID DATASOURCE="a_data_source">a_temporary_external_link</XID>
    </CONTRIBUTOR>
  </RESPONSE>
</RESPONSES>
```

### Example Query using SERIES_FETCH and SELECT_EXTENDED=CONTRIBUTOR_LINK

### Example Response for SERIES_FETCH and SELECT_EXTENDED=CONTRIBUTOR_LINK

```
<SYNOPSIS>a synopsis</SYNOPSIS>
<CONTRIBUTOR RANK="1">
   <NAME>Tina Fey</NAME>
  <GN_ID>a_gracenote_id</GN_ID>
  <XID DATASOURCE="a_data_source">a_temporary_external_link</XID>
  <CONTRIBUTION>
      <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
      <CHARACTER>Liz Lemon</CHARACTER>
  </CONTRIBUTION>
</CONTRIBUTOR>
<CONTRIBUTOR RANK="2">
  <NAME>Alec Baldwin</NAME>
  <GN_ID>a_gracenote_id</GN_ID>
  <XID DATASOURCE="a_data_source">a_temporary_external_link</XID>
  <CONTRIBUTION>
     <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
      <CHARACTER>Jack Donaghy</CHARACTER>
   </CONTRIBUTION>
</CONTRIBUTOR>
<CONTRIBUTOR RANK="3">
  <NAME>Tracy Morgan</NAME>
  <GN_ID>a_gracenote_id</GN_ID>
  <XID DATASOURCE="a_data_source">a_temporary_external_link</XID>
  <CONTRIBUTION>
      <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
      <CHARACTER>Tracy Jordan</CHARACTER>
   </CONTRIBUTION>
</CONTRIBUTOR>
<CONTRIBUTOR RANK="4">
  <NAME>Jane Krakowski</NAME>
  <GN_ID>a_gracenote_id</GN_ID>
  <XID DATASOURCE="a_data_source">a_temporary_external_link</XID>
  <CONTRIBUTION>
      <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
      <CHARACTER>Jenna Maroney</CHARACTER>
  </CONTRIBUTION>
</CONTRIBUTOR>
<CONTRIBUTOR RANK="5">
  <NAME>Jack McBrayer</NAME>
  <GN_ID>a_gracenote_id</GN_ID>
  <XID DATASOURCE="a_data_source">a_temporary_external_link</XID>
      <CONTRIBUTION_TYPE MEDIASPACE="VIDEO" ID="a_gracenote_id">Actor</CONTRIBUTION_TYPE>
      <CHARACTER>Kenneth Parcell</CHARACTER>
   </CONTRIBUTION>
</CONTRIBUTOR>
. . .
<SEASON>
  <GN_ID>a_gracenote_id</GN_ID>
  <TITLE>Season 1</TITLE>
  <SEASON_NUM>1</SEASON_NUM>
</SEASON>
<SEASON>
  <GN_ID>a_gracenote_id</GN_ID>
  <TITLE>Season 2</TITLE>
  <SEASON_NUM>2</SEASON_NUM>
</SEASON>
```

```
<SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 3</TITLE>
        <SEASON_NUM>3</SEASON_NUM>
     </SEASON>
     <SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 4</TITLE>
        <SEASON_NUM>4</SEASON_NUM>
     </SEASON>
     <SEASON>
        <GN_ID>a_gracenote_id</GN_ID>
        <TITLE>Season 5</TITLE>
        <SEASON_NUM>5</SEASON_NUM>
     </SEASON>
  </SERIES>
</RESPONSE>
</RESPONSES>
```